



Catalogue  
Fire detection line

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2022



EL.MO. SPA

## Expertise

We are always at your side, with commitment and experience in the products' design and selection and with the installation, management and maintenance of the system.

## Our areas of intervention



**Residential**



**Industrial**



**Retail**



**Business**

Since 1975 the company has worked at national and international level in the field of security by designing, producing and supplying intrusion prevention, fire prevention, video surveillance and access control systems.



**TECHNOLOGICAL INNOVATION:** our internal R&D team has created highly innovative products and such tradition has continued in today's new devices.



**SYSTEM DESIGN:** our System Design team supports you in the project design phase and can offer proposals for supply specifications, bills of quantities, technical reports and operating diagrams.



**INTEGRATED SYSTEMS:** our lines (intruder alarms, fire alarms, CCTV and access control) are intertwined and the ease of central management is guaranteed by a unified environment of supervision and configuration.



# Our certifications: a path to excellence

[www.elmospa.com/en/about-us/certifications](http://www.elmospa.com/en/about-us/certifications)

EL.MO. firmly believes in the quality of its products and in its working approach. It boasts specific certifications, awarded by distinguished external bodies.

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Alphabetical index

To complete fire detection solutions listed in this document, EL.MO. offers also a complete range of products and special systems. For more details on such items, please contact EL.MO. Systems Design Office at:

progettazione.sistemi@elmospa.com - Phone: +39 049 9203331

Please notice that product codes are indicated under commercial codes (please remind to use commercial codes for your orders).

For warranty and reparation conditions, please refer to Sales Conditions at the end of this price list.

## Key to the symbols



CPR-certified product



FYRA line product



Product compatible with e-Connect



Product compatible with GlobalPro

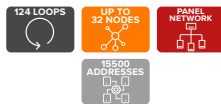
# Analogue-addressable detection

## HEKLA series

### Analogue-addressable control units

#### HEKLA

- CIHLO0000100 
- CIHLO0000101 
- CIHLO0000102 
- CIHLO0000103 
- CIHLO0000104 
- CIHLO0000106 



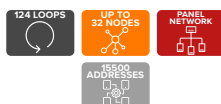
Analogue-addressable control panel with graphic display expandable from 1 to 4 loops that can be integrated in a network of control panels and repeating keypads

**User interface:** Complete synoptic panel, with graphic 240×64 pixel LCD display. **Maximum number of network nodes:** 32. **Managed loops:** Up to 4 FYRA loops in stand-alone mode using HL2LOOP/HL4LOOP boards, up to 124 FYRA loops within a network. **Maximum number of devices in each loop:** variable according to the loop board in use (HL2LOOP/HL4LOOP). **Number of programmable zones:** 384. **Number of I/O device groups that can be managed:** 512. **Number of programmable alarm device groups:** 512. **On-board outputs:** 1 fault relay output (NC) - 2 fire alarm relay output (C/NC/NO) - 2 supervised conventional alarm outputs (individually programmable). **On-board zones:** programmable zones. **Management of power supply units on loop:** Yes. **Programming:** Via integrated keypad or via software. USB connector for programming available. **Connection to a network of panels:** Via optional HLNEXT module. **LAN connection:** Via optional HLLANGPRO module to interface to GLOBALPRO. **History log capacity:** 10000. **Battery:** 2 × DC12V 12 Ah. **Protection class:** IP30. **Dimensions:** W 340 × H 370 × D 125 mm. **Weight:** 1.60 kg (approx. 7 kg with batteries). **Consumption at power voltage - Idle mode:** 95 mA. **Power supply:** 27,5 V. **Certifications:** CPR 305/2011 EN54-2, EN54-4, EN54-13.

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#### HLNODE

- CIHLO0000200 
- CIHLO0000201 
- CIHLO0000202 
- CIHLO0000203 
- CIHLO0000204 
- CIHLO0000206 



Analogue-addressable control panel without display expandable from 1 to 4 loops that can be integrated in a network of control panels and repeating keypads

**User interface:** Reduced synoptic panel. **Maximum number of network nodes:** 32. **Managed loops:** Up to 4 FYRA loops in stand-alone mode using HL2LOOP/HL4LOOP boards, up to 124 FYRA loops within a network. **Maximum number of devices in each loop:** variable according to the loop board in use (HL2LOOP/HL4LOOP). **Number of programmable zones:** 384. **Number of I/O device groups that can be managed:** 512. **Number of programmable alarm device groups:** 512. **On-board outputs:** 1 fault relay output (NC) - 2 fire alarm relay output (C/NC/NO) - 2 supervised conventional alarm outputs (individually programmable). **On-board zones:** programmable zones. **Programming:** Via software. USB connector for programming available. **Connection to a network of panels:** Via optional HLNEXT module. **LAN connection:** Via optional HLLANGPRO module to interface to GLOBALPRO. **History log capacity:** 10000. **Battery:** 2 × DC12V 12 Ah. **Protection class:** IP30. **Dimensions:** W 340 × H 370 × D 125 mm. **Weight:** 1.60 kg (approx. 7 kg with batteries). **Consumption at power voltage - Idle mode:** 95 mA. **Power supply:** AC230V - 50/60Hz from DC28V / 2.3 A max power supply unit (supplied). **Certifications:** CPR 305/2011 EN54-2, EN54-4, EN54-13.

### Expansion boards

#### HL2LOOP

AIACHME00100



2-loop FYRA expansion board for HEKLA panels

**Compatibility:** HEKLA series control unit. **Max. no. of managed addresses:** 250 (in 1 single 250-address loop or in 2 × 125-address loops). **Maximum current on loops:** 1 A in single loop configuration, 1A + 1A in two-loop configuration. **Max. no. of sounders:** 32 in single loop configuration, 32 + 32 in two-loop configuration. **Dimensions:** W 140 × H 75 × D 23 mm. **Power supply:** DC24V from control unit. **Certifications:** CPR 305/2011 EN54-2, EN54-13.

#### HL4LOOP

AIACHME00200



4-loop FYRA expansion board for HEKLA panels

**Compatibility:** HEKLA series control unit. **Max. no. of managed addresses:** 500 (in 2 × 250-address loops or in 4 × 125-address loops). **Maximum current on loops:** 1 A + 1 A in two-loop configuration, 1A + 1A + 1A + 1A in four-loop configuration. **Max. no. of sounders:** 32 + 32 in two-loop configuration, 32 + 32 + 32 + 32 in four-loop configuration. **Dimensions:** W 140 × H 75 × D 23 mm. **Power supply:** DC24V from control unit. **Certifications:** CPR 305/2011 EN54-2, EN54-13.

## Repeating panel

### HLREPEATER

AIACHRR00100  
AIACHRR00101



Repeating keypad for HEKLA control panels that can be integrated in a network of control panels and repeating keypads

**Maximum number of network nodes:** 32. **Connection to a network of panels:** Via optional HLNEXT module. **Indications:** coloured LEDs, 240 × 64 pixel backlit LCD display. **Working temperature:** -10 / +50 °C. **Dimensions:** W 256 × H 194 × D 75 mm. **Weight:** 0.76 kg (packed product). **Consumption at power voltage - Idle mode:** 65 mA. **Power supply:** 28.5 Vdc from external power supply unit. **Certifications:** CPR 305/2011 EN54-2, EN54-13.

## RS-422 module

### HLNEXT

AIACHMN00100



Module for connection of one single HEKLA panel to a panel network

**Connection type:** RS-422. **Connection to a network of panels:** via 5-pole flat connector. **Cable length:** 1200 m (maximum, for single interface). **Protection class:** IP30. **Dimensions:** W 90 × H 40 × D 20 mm. **Weight:** 33 g. **Max. power consumption:** 14 mA. **Power supply:** DC 24 V (17-30 V).

## LAN module

### HLLANGPRO

AIACHML00500



Module to manage HEKLA in GLOBALPRO

**Compatibility:** HEKLA series control unit. **Connection type:** RJ-45. **Connection to a network of panels:** via 5-pole flat connector. **Setup:** via USB mini. **Dimensions:** L 90 × H 40 mm. **Weight:** 24 g. **Max. power consumption:** 28 mA. **Power supply:** DC 24 V (20-30 V).

## Module for Modbus connection

### HL422MB

AIACHMB00100



RS-422 module to connect a network of HEKLA panels to a system based on the Modbus protocol

**Compatibility:** HEKLA series control unit. **Connection type:** RS-422. **Connection to a network of panels:** via 5-pole flat connector. **Dimensions:** W 90 × H 40 × D 20 mm. **Max. power consumption:** 10 mA. **Power supply:** DC 24 V (17-30 V).

## Power unit

### HLPOWER

GIALI0100600



FYRA loop supervisable power supply unit

**Compatibility:** HEKLA series; supervision from FYRA loop via HLPL board. **User interface:** Synoptic front panel, function keys. **Zones:** 1 input for alarm relay activation, 1 input for sounder circuit activation. **Outputs:** 2 non-supervised relay outputs for fault (NC) and fire alarm; 1 supervised power supply auxiliary output protected from shortcircuits. **Conventional sounder circuit:** 27.5 Vdc nominal voltage, 900 mA maximum current supplied, supervised and protected from short circuits. **Supplied current:** total 1.7 A; max 900 mA available for field devices, auxiliary power supply output and conventional sounder circuit. **Output voltage:** 28,5 Vdc (from 21 to 30 Vdc). **Power supply:** AC230V, supervised. **Dimensions:** W 273 × H 404 × D 107 mm. **Weight:** 1.70 kg. **Battery:** 2 × 12V 7Ah, supervised. **Certifications:** CPR 305/2011 EN54-4, EN54-13.

### HLPL

GIACC0200200





Module for supervision of one HLPOWER unit directly from FYRA loop

**Wiring to HLPOWER board:** via 5-pole flat connector. **Consumption at power voltage - Idle mode:** 1 mA; **Alarm mode:** 3.0 mA. **Power supply:** from 17 to 30 Vdc. **Dimensions:** W 135 × H 35 mm. **Weight:** 20 g.

## TACÓRA series

### Conventional / analogue addressable control panels

**TA4000**  
ICCTA0103900   
ICCTA0103901   
**CPR**  
305/2011



**Hybrid configuration: 4 conventional zones + 2 analogue-addressable loops**

**Conventional zones:** 4 zones. **Hybrid expansion:** 4 Conventional zones + 2 analogue-addressable loops using AS or FYRA optional loop modules (2 AS loops or 2 FYRA loops or 1 AS loop + 1 FYRA loop). **Dedicated conventional call point zones:** 1. **Outputs:** 1 relay output for fault; 1 relay output for pre-alarm; 2 auxiliary relay outputs; 1 supervised alarm output. **User interface:** Colour graphic display, notification LEDs, buttons. **Extinguishing module:** EXTING module (optional). **Built-in interfaces:** 1 MINI-DIN for configuration via software; 1 × RS-485 line for the connection of 2 TAREPEATER repeat panels (max). **Supervision software:** GLOBALPRO. **Centralization software:** e-Connect. **LAN connection:** MDLAN optional module for Ethernet connection, e-Connect platform interfacing and integration with GLOBALPRO supervision software. **GSM/LTE connection:** MDGSME / MD4GE module (optional) to send control panel alarm and status SMS messages and for e-Connect platform interfacing. **Protection class:** IP30. **Dimensions:** W 500 × H 450 × D 200 mm. **Weight:** 6.00 kg. **Battery:** 2 × DC12V / 26Ah batteries (not included). **Power supply:** AC230V - 50/60Hz, DC29V / 3.45 A max power supply unit (supplied). **Consumption at power voltage - Idle mode:** 80 mA. **Certifications:** CPR 305/2011 EN54-2 and EN54-4, EN54-13, EN54-21 (with MDGSME optional GSM module) and EN12094-1 (with EXTING optional extinguishing module).

**TA2000**  
ICCTA0103800   
ICCTA0103801   
**CPR**  
305/2011



**Hybrid configuration: 4 conventional zones expandable up to 12 + 1 analogue-addressable loop**

**Conventional zones:** 4 zones. **Conventional expansion:** Up to 12 conventional zones with 1 TAEXP10 expansion board. **Hybrid expansion:** Up to 12 conventional zones with 1 TAEXP10 expansion board (optional) + 1 AS or FYRA analogue addressable loop with AS or FYRA loop module (optional). **Dedicated conventional call point zones:** 1. **Outputs:** 1 relay output for fault; 1 relay output for pre-alarm; 2 auxiliary relay outputs; 1 supervised alarm output. **User interface:** Colour graphic display, notification LEDs, buttons. **Extinguishing module:** EXTING module (optional). **Built-in interfaces:** 1 MINI-DIN for configuration via software; 1 × RS-485 line for the connection of 2 TAREPEATER repeat panels (max). **Supervision software:** GLOBALPRO. **Centralization software:** e-Connect. **LAN connection:** MDLAN optional module for Ethernet connection, e-Connect platform interfacing and integration with GLOBALPRO supervision software. **GSM/LTE connection:** MDGSME / MD4GE module (optional) to send control panel alarm and status SMS messages and for e-Connect platform interfacing. **Protection class:** IP30. **Dimensions:** W 390 × H 390 × D 99 mm. **Weight:** 6.20 kg (packed product). **Battery:** 2 × DC12V / 18Ah batteries (not supplied). **Power supply:** AC230V - 50/60Hz, DC29V / 2.6 A max power supply unit (supplied). **Consumption at power voltage - Idle mode:** 80 mA. **Certifications:** CPR 305/2011 EN54-2 and EN54-4, EN54-13, EN54-21 (with MDGSME optional GSM module) and EN12094-1 (with EXTING optional extinguishing module).

**Intrinsically-safe version available (conventional zones) for ATEX detection (ICCTA0104000)**

**TA2000**  
ICCTA0104000

**Intrinsically-safe version TA2000 control panel for ATEX detection**



For AS line products, see dedicated catalogue.

### Repeating panel

**TAREPEATER**  
ACATARP00500  
**CPR**  
305/2011



**Repeating panel for TACÓRA series panels (4.0 and higher versions). It reports all control unit messages and states on its display and LEDs in real time**

**Connections:** Terminal board on printed circuit for power supply and RS-485 serial line. **Indications:** Different colour LED indicators, LCD with specific message, built-in buzzer. **Working temperature:** -5 / +40 °C. **Dimensions:** W 312 × H 176 × D 40 mm. **Weight:** 1.50 kg. **Consumption at power voltage - Idle mode:** 14 mA; **Alarm mode:** 18.0 mA. **Power supply:** DC24V supplied by the control unit or by a remote power supply group. **Certifications:** Certified CPR 305/2011 EN54-2, EN54-13 with TACÓRA system.

## Expansion modules

**TALOOP**  
ACATAML00600



Expansion board for up to 254 devices with FYRA loop that can be hosted inside the control unit

**Compatibility:** TA2000 and TA4000 control panels. **Dimensions:** W 129 × H 80 × D 20 mm. **Weight:** 94 g. **Consumption at power voltage - Idle mode:** 32.0 mA; **Max. power consumption:** 600 mA. **Power supply:** DC24V from control unit. **Certifications:** Certified CPR 305/2011 EN54-2, EN54-13 with TACÓRA system.

**TAEXP10**  
ACATAMC00100



Expansion board for up to 8 conventional zones

**Compatibility:** TA2000 control panels. **Zones:** 8 current-absorption balanced zones. **Outputs:** 8 open-collector outputs. **Dimensions:** W 140 × H 50 mm. **Weight:** 120 g. **Consumption at power voltage - Idle mode (NC lines):** 11 mA; **Idle mode (balanced lines):** 50.0 mA; **Max. power consumption:** 165 mA. **Versions:** Intrinsically-safe version available for ATEX detection (ACATAMC00400) ; Compatible with intrinsically-safe TA2000 panel; 2 × Z928 Zener barriers required. **Certifications:** Certified CPR 305/2011 EN54-2, EN54-13 with TACÓRA system.

**Intrinsically-safe version available for ATEX detection (ACATAMC00400)**

**TAEXP10**  
ACATAMC00400

**Intrinsically-safe version TAEXP10 module for ATEX detection**

## LAN module

**MDLAN**  
AWMDCCL00100



Ethernet module providing a 10Mbit Ethernet connection

**Compatibility:** VIDOMO2K, VICOMPACT2K, PREGIO control units; TACÓRA v.5.2 or higher firmware panels. **Functions:** it allows unit configuration and remote control via TCP/IP and the connection to e-Connect. **Power supply:** DC12V from control units. **Max. power consumption:** 50 mA. **Weight:** 40 g (packed product). **Certifications:** IMQ-Security Systems EN 50136-2, EN 50131-3 grade 2-3 according to the system it is installed in, environmental class II.

## Extinguishing module

**EXTING**  
ACATAMS00100



1-zone extinguishing module

**Connections:** 1 balanced zone for extinguishing agent flux indication (e.g. pressure switch), 1 balanced zone for emergency interruption device (e.g. push-button for extinguishing interruption request), 1 balanced input for manual devices (e.g. push-button for extinguishing request), 1 PTC-protected supervised output for extinguishing signal transmission (e.g. control of a solenoid valve), 1 PTC-protected supervised output for alarm devices activation (e.g. optical-acoustical alarms), 1 PTC-protected supervised output for activation of the extinguishing process signalling devices, 1 connector for RS485 and power supply. **Address setup:** 1 selector for module addressing (from 0 to 7). **Dimensions:** W 64 × H 125 × D 26 mm. **Weight:** 140 g (packed product). **Max. power consumption:** 75 mA. **Power supply:** DC24V from control unit. **Versions:** Intrinsically-safe version available for ATEX detection (ACATAMS00300); compatible with intrinsically-safe TA2000 panel; 2 × Z928 Zener barriers required. **Certifications:** CPR 305/2011 EN54-13, UNI EN 12094-1.

**Intrinsically-safe version available for ATEX detection (ACATAMS00300)**

**EXTING**  
ACATAMS00300

**Intrinsically-safe version EXTING module for ATEX detection**

## Power unit

**AL2SW24**  
GIALI0200500



Power supply unit with AC230V / 2A input and 29 Vdc / 2A output

**Supplied current:** 2 A. **Outputs:** DC29V - 2 A. JST connector. **Weight:** 280 g (packed product).

## Relay board

**TAREL24**  
ACATAMR00100  




**4-relay board**

**Outputs:** 4 relay outputs. **Dimensions:** W 50 × H 90 × D 30 mm. **Weight:** 120 g. **Max. power consumption:** 40 mA. **Power supply:** DC24V from control unit. **Certifications:** Certified CPR 305/2011 EN54-2, EN54-13 with TACÓRA system.

## GSM / 4G modules

**MDGSME**  
AWMDCCG00800  




**GSM/GPRS dual-band module equipped with connector for connection of an external antenna to connect to the GSM mobile network. Antenna kit required (not supplied)**

**Compatibility:** intrusion detection: VIDOMO2K, PREGIO series, PROXIMA series, TITANIACOMPACT; fire detection: TACÓRA series. **Functions:** It allows connecting the control unit to e-Connect, sending SMS messages for alarm and state signalling. **Compatible antenna kits:** GSMEXA15, GSMEXA2, GSMACI (for TACÓRA panels). **Power supply:** DC12V or DC24V from control unit. **Max. power consumption:** 220 mA. **Dimensions:** W 63 × H 48 × D 14 mm. **Weight:** 75 g (packed product). **Certifications:** IMQ-Alarm EN 50136-2, EN50131-10 grade 3, environmental class II / CPR 305/2011 EN54-13, EN54-21.

**MDGSMETA**  
CMAAC0200100



**Kit for installation inside TACÓRA panels including one MDGSME module and one GSMACI antenna kit**

**MDGSME (ONE)**  
AWMDCCG01900  




**ONE line GSM/GPRS dual-band module equipped with connector for connection of an external antenna to connect to the GSM mobile network. Antenna kit required (not supplied)**

**Compatibility:** intrusion detection: VIDOMO2K, PREGIO series, PROXIMA series, TITANIACOMPACT; fire detection: TACÓRA series. **Functions:** It allows connecting the control unit to e-Connect, sending SMS messages for alarm and state signalling. **Compatible antenna kits:** GSMEXA15, GSMEXA2, GSMACI (for TACÓRA panels). **Power supply:** DC12V or DC24V from control unit. **Max. power consumption:** 220 mA. **Dimensions:** W 63 × H 48 × D 14 mm. **Weight:** 75 g (packed product). **Certifications:** IMQ-Alarm EN 50136-2, EN50131-10 grade 3, environmental class II.

**MDGSMETA (ONE)**  
CMAAC0200300  




**Kit for installation inside TACÓRA panels including one MDGSME module (One line) and one GSMACI antenna kit**

**MD4GE**  
AWMDCCG01400



**4G module with connector to connect an external antenna. Antenna kits required (not supplied)**

**Compatibility:** intrusion detection: VIDOMO2K, PREGIO series, PROXIMA series; fire detection: TACÓRA series. **Functions:** It provides 2G, 3G and 4G connectivity for remote control, connection to e-Connect and messages sending for voice alarms or SMS. It supports voice communications over 2G and 3G. With 3G connectivity, both voice connection and data connection via e-Connect can be active simultaneously. **Power supply:** DC12V or DC24V from control unit. **Max. power consumption:** 259 mA. **Dimensions:** W63 × H48 × D13 mm. **Weight:** 34 g. **Standards:** compliant with EN 50136-2, EN50131-10 grade 3.

**MD4GETA**  
CMAAC0200200



**Kit for installation inside TACÓRA panels including one MD4GE module and one ANT4GTA antenna kit**

## Accessories for GSM / 4G modules

**GSMACI**  
CMAAC0100100



**Internal antenna kit for Tacóra control units, required to properly install MDGSME module inside control units when the cellular radio signal is good**

**GSMEXA2**  
A1MDCCA00700



**Optional antenna for MDGSME, ETRGSM, INT9200, NET832, NET9, PREGIO, PROXIMA supplied with 2 m cable. It can be installed 2 m far from control unit or GSM interface when used with the supplied antenna for a better coverage**  
**Weight:** 350 g (packed product).

# Analogue-addressable detection

**GSMEXA15**  
A1MDCCA00800



Optional antenna for MDGSME, ETRGSM, INT9200, NET832, NET9, PREGIO, PROXIMA supplied with 15 m cable. It can be installed 15 m far from control unit or GSM interface when used with the supplied antenna for a better coverage  
Weight: 1000 g (packed product).

**ANT4GTA**  
CMAAC0100300



Internal antenna kit for Tacóra control units, required to properly install MD4GE module inside control units when the cellular radio signal is good

**ANT4GEXA2**  
A1MDCCA00500



Antenna for MD4GE with 2 m cable. It can be installed 2 m far from control unit when used with the supplied antenna for a better coverage

**ANT4GEXA15**  
A1MDCCA00600



Antenna for MD4GE with 15 m cable. It can be installed 15 m far from control unit when used with the supplied antenna for a better coverage

## Modules for building automation interfacing

**ELMOGWAY**  
ACMDIMP00100



Gateway allowing data communication between EL.MO. intrusion detection units and automation systems based on MODBUS, KNX and SCS protocols

**Compatibility:** all the EL.MO. intrusion detection control units on catalogue; TACÓRA fire detection panel. **Connection to control units:** via LAN (with EL.MO. LAN board), via RS232 serial line or via USB. Native functions: MODBUS TCP and RTU interface. Interaction with units through reading and commands. **Programming:** via webserver. **Power supply:** 10 - 16 Vdc, 3 W power consumption. **Dimensions:** W 90 × H 98 × D 62 mm (5 DIN modules).

**ELMOGWAY2**  
ACMDIMP00200



Small-sized gateway allowing data communication between EL.MO. intrusion detection units and automation systems based on MODBUS, KNX and SCS protocols

**Compatibility:** all the EL.MO. intrusion detection control units on catalogue; TACÓRA fire detection panel. **Connection to control units:** via LAN (with EL.MO. LAN board) or via USB. Native functions: MODBUS TCP and RTU interface. Interaction with units through reading and commands. **Programming:** via webserver. **Power supply:** 10 - 16 Vdc, 3 W power consumption. **Dimensions:** W 90 × H 36 × D 62 mm (2 DIN modules).

## Digital dialler

**MDCOMBI**  
AIACTMC00100



IP Bridge PRO - 4G.IN6.R6 - Digital dialler. It receives alarm and fault signals from intrusion detection or fire detection control panels and it forwards them via Internet to control centers and to single addressees

**Signal reception:** from an existing dialler that uses the Contact ID protocol (via twisted pair) or from 6 control unit relay outputs to be wired to MDCOMBI inputs or from RS-232 line. **Alarm transmission:** using SIA IP DC-09 or TEX via Internet (Ethernet and/or 4G) to 6 different alarm reception centers, with VOIP calls, SMS via internet and e-mail sending (VOIP and SMS functions require using an external SIP service). **Zones:** 6 NA/NC inputs programmable separately; 1 PSTN input to convert the signals coming from a phone dialler to digital signals. **Outputs:** 6 NO relay outputs max 1 A @ 12 Vcc. **Cameras:** Up to 4 IP ONVIF cameras can be connected. **Programming:** via integrated webserver. **Memory card:** 8 GB on-board SD card installed (for log and video storage). **Power supply:** 12 - 24 Vdc. **Dimensions:** W 200 × H 260 × D 90 mm. **Certifications:** CPR 305/2011 EN54-13, EN54-21.

## FYRA loop

### FYRA analogue-addressable detectors

**SNI04A**  
IRIE0100500



**32201 - Low-profile FYRA smoke detector**

**Indications:** LED indicators for 360° visibility and remote LED output. **Address setup:** dip switches. **Working temperature:** -10 - 50 °C. **Dimensions:** H 46 × Ø 98 mm. **Weight:** 140 g. **Consumption at power voltage - Idle mode:** 0.5 mA; **Alarm mode:** 7.0 mA. **Power supply:** from 17 to 28 Vdc. **Certifications:** CPR 305/2011 EN54-7, EN54-13, EN54-17.

**SNI01A**  
RIRFY0100100



SOON AVAILABLE



**Low-profile FYRA analogue-addressable smoke detector with built-in isolator**

**Indications:** LED indicators for 360° visibility and remote LED output. **Alarm indicator:** 2 red LEDs, fixed light. **Alarm threshold - Smoke:** 0.08-0.13 dB/m. **Working temperature:** -10 - 50 °C. **Protection class:** IP 43. **Dimensions:** H49 × Ø100 mm. **Weight:** 145 g. **Consumption at power voltage - Idle mode:** 0.3 mA; **Alarm mode:** 1.8 mA. **Power supply:** from 17 to 28 Vdc. **Certifications:** CPR 305/2011 EN54-7, EN54-13, EN54-17; 2014/90/EU (MED); LPCB; UAE CoC. **CPR number:** 2831-CPR-F4786.

PGTFYRA programmer required for addressing

**SNI02A**  
RIRFY0200100



SOON AVAILABLE



**Low-profile FYRA analogue-addressable rate-of-rise and fixed temperature detector with built-in isolator**

**Indications:** LED indicators for 360° visibility and remote LED output. **Alarm indicator:** 2 red LEDs, fixed light. **Alarm threshold - Heat:** A2R/A2S. **Working temperature:** -10 - 50 °C. **Protection class:** IP 43. **Dimensions:** H59 × Ø100 mm. **Weight:** 140 g. **Consumption at power voltage - Idle mode:** 0.3 mA; **Alarm mode:** 1.8 mA. **Power supply:** from 17 to 28 Vdc. **Certifications:** CPR 305/2011 EN54-5, EN54-13, EN54-17; 2014/90/EU (MED); LPCB; UAE CoC. **CPR number:** 2831-CPR-F4787.

PGTFYRA programmer required for addressing

**SNI06A**  
RIRIE0300400



**32203 - Low-profile rate-of-rise FYRA combined heat and smoke detector**

**Indications:** LED indicators for 360° visibility and remote LED output. **Intervention temperature:** 59°C. **Address setup:** dip switches. **Working temperature:** -10 - 50 °C. **Dimensions:** H 62 × Ø 98 mm. **Weight:** 144 g. **Consumption at power voltage - Idle mode:** 0.5 mA; **Alarm mode:** 7.0 mA. **Power supply:** from 17 to 28 Vdc. **Certifications:** CPR 305/2011 EN54-5, EN54-7, EN54-13, EN54-17.

**SNI03A**  
RIRFY0300100



SOON AVAILABLE



**Low-profile FYRA analogue-addressable combined smoke, rate-of-rise and fixed temperature detector with built-in isolator**

**Alarm indicator:** 2 red LEDs, fixed light. **Alarm threshold - Smoke:** 0.08-0.13 dB/m; **Heat:** A2R/A2S. **Working temperature:** -10 - 50 °C. **Protection class:** IP 43. **Dimensions:** H59 × Ø100 mm. **Weight:** 150 g. **Consumption at power voltage - Idle mode:** 0.3 mA; **Alarm mode:** 1.8 mA. **Power supply:** from 17 to 28 Vdc. **Certifications:** CPR 305/2011 EN54-5, EN54-7, EN54-13, EN54-17; 2014/90/EU (MED); LPCB; UAE CoC. **CPR number:** 2831-CPR-F4788.

PGTFYRA programmer required for addressing

## Programmer for FYRA detectors

**PGTFYRA**  
AARFY0000100



SOON AVAILABLE

**Programmer for SNI01A, SNI02A, SNI03A detectors**

**Maximum operating voltage:** 28.0 V. **Minimum power supply:** 17.0 V. **Battery:** DC9V. **Protection class:** IP42. **Working temperature:** -10 - 50 °C. **Relative humidity:** < 95 %. **Dimensions:** L 128 × H 45 × P 215 mm.

It can be powered by 6 AAA batteries (not supplied)

## FYRA split module

**MDSPLIT**  
MIIEOMS00300



**Module for connection of 2 separate branches of a FYRA loop to the same loop board of TACÓRA control units**

**Intervention voltage - V(SO):** 4 V (closed - open). **V(SC):** 5.3 V (open - closed). **Indications:** 6 yellow LEDs to indicate short-circuit direction. **Dimensions:** W 129 × H 80 × D 20 mm. **Weight:** 94 g. **Working temperature:** -10 ÷ +55 °C. **Max. power consumption:** 5 mA (Loop1 or Loop2 shorted). **Power supply:** DC24V supplied by the loop. **Certifications:** CPR 305/2011 EN54-13, EN54-17.

## FYRA I/O modules

**MD1IO**  
MIIE0MC00800



**FYRA module featuring 1 input and 1 output**

**Zones:** 1. **Outputs:** 1. **Address setup:** Via rotary switch. **Terminals:** Terminals for NO inputs, relay outputs and connection to the loop. **Dimensions:** W 92 × H 55 × D 20 mm. **Consumption at power voltage - Idle mode (balanced lines):** 1.8 mA; **Short circuit in progress:** 4.7 mA; **Alarm mode:** 3.2 mA. **Power supply:** DC24V supplied by the loop. **Certifications:** CPR 305/2011 EN54-13, EN54-17, EN54-18.



**MD4IO**  
MIIE0MC00700



**FYRA module featuring 4 inputs and 4 outputs**

**Zones:** 4. **Outputs:** 4. **Address setup:** Via rotary switch. **Terminals:** Terminals for NO inputs, external signalling LED, relay outputs, loop connection. **Dimensions:** W 129 × H 80 × D 20 mm. **Consumption at power voltage - Idle mode (balanced lines):** 3.0 mA; **Short circuit in progress:** 4.7 mA; **Alarm mode:** 7.5 mA. **Power supply:** DC24V supplied by the loop. **Certifications:** CPR 305/2011 EN54-13, EN54-17, EN54-18.



**MD1P**  
MIIE0MP00700



**FYRA module for simple control of 1 door**

**Zones:** 1 balanced zone + 1 independent zone. **Outputs:** 1. **Address setup:** Via rotary switch. **Terminals:** 3-terminal outputs with C-NC-NO relays, current capacity 2 A @ DC30V. **Dimensions:** W 92 × H 55 × D 20 mm. **Consumption at power voltage - Short circuit in progress:** 4.7 mA; **Idle mode (balanced lines):** 1.8 mA; **Alarm mode:** 3.2 mA. **Power supply:** DC24V supplied by the loop. **Certifications:** CPR 305/2011 EN54-13, EN54-17, EN54-18.



**MD2P**  
MIIE0MP00800



**FYRA module for complete control of 2 doors**

**Zones:** 4 balanced inputs. **Outputs:** 2. **Address setup:** Via rotary switch. **Terminals:** 3-terminal outputs with C-NC-NO relays, current capacity 2 A @ DC30V. **Dimensions:** W 129 × H 80 × D 20 mm. **Consumption at power voltage - Short circuit in progress:** 4.7 mA; **Idle mode (balanced lines):** 3.0 mA; **Alarm mode:** 7.5 mA. **Power supply:** DC24V supplied by the loop. **Certifications:** CPR 305/2011 EN54-13, EN54-17, EN54-18.



**MDCONV**  
MIIE0MI00500



**NB763-I FYRA module to control conventional detectors and call points**

**Address setup:** Using dip switches. **Dimensions:** W 150 × H 90 × D 46 mm. **Consumption at power voltage - Idle mode:** 4 mA; **Max. power consumption:** 13 mA. **Power supply:** DC24V supplied by the loop. **Certifications:** CPR 305/2011 EN54-13, EN54-17, EN54-18.



## FYRA sounders

**COPB**  
MIAC0CV00500



**White cover for BSOUND**

**LSOUNDLH**  
AVSOASA02500



**FYRA addressable sounder with light indicator**

**Tones:** 2. **Sound pressure at 1 m @ 30 V:** 100 dB. **Indications:** acoustic and optic. **Protection class:** IP21C. **Dimensions:** Ø 110 × H 85 mm. **Weight:** 254 g. **Working temperature:** -10 ÷ +55 °C. **Power supply:** from 20 to 30 Vdc (from loop). **Consumption at power voltage - Idle mode:** 0.5 mA; **Alarm mode:** 10.0 mA. **Certifications:** CPR 305/2011 EN54-3, EN54-13.



**LSOUND65**  
AVSOASA02600



**FYRA IP65 addressable sounder with luminous indication**

**Tones:** 2. **Sound pressure at 1 m @ 30 V:** 108 dB. **Indications:** acoustic and optic. **Protection class:** IP65. **Dimensions:** W 112 × D 112 × H 110 mm. **Weight:** 315 g. **Working temperature:** -25 ÷ +70 °C. **Consumption at power voltage - Idle mode:** 430 µA; **Alarm mode:** 10.0 mA. **Power supply:** from 20 to 30 Vdc (from loop). **Certifications:** CPR 305/2011 EN54-3, EN54-13.



**BSOUNDLH**  
MIACOBS00400



**FYRA** addressable sounder with luminous indication on sensor base

**Tones:** 2. **Sound pressure at 1 m @ 30 V:** 97 dB. **Indications:** acoustic and optic. **Protection class:** IP21C. **Dimensions:** Ø 100 × H 38 mm. **Weight:** 144 g. **Working temperature:** -10 ÷ +55 °C. **Consumption at power voltage - Idle mode:** 430 µA; **Alarm mode:** 6.6 mA. **Power supply:** from 20 to 30 Vdc (from loop). **Certifications:** CPR 305/2011 EN54-3, EN54-13.

**COPT**  
MIACOCV00600



**Transparent cover for BSOUNDLH (2-piece box)**

**Dimensions:** Ø 100 mm. **Package:** 2 pieces.

**BBSR**  
AVSOAAC00200



**Red back box for FYRA sounders**

**Dimensions:** Ø 100 × H 40 mm.

**PPXALARMB**  
OAACTF00100



**Two-face forex panel with ALLARME INCENDIO writing on each side. It can be paired with LSOUNDLH and BSOUNDLH. 2 × 19-mm spacers supplied**

**Dimensions:** W 370 × H 141 × D 3 mm.

**PPXALARMB05**  
OAACTF00200



**5-piece PPXALARMB box**

**PPXALDSM**  
OAAACBR00200



**Bigger spacers for PPXALARM plexiglass panels**

**Length:** 40 mm. **Package:** 2 pieces (to be used for one single panel).

## FYRA analogue-addressable call points

**PAR**  
PAIE00100400



**Pressure analogue-addressable call point**

**Alarm:** Manual alarm generated by pressing the centre of the replaceable front glass. **Address setup:** Via rotary switches. **Indications:** 1 warning colour bar visible only after pressing the front panel. **Installation:** Indoor. **Protection class:** IP2XD. **Working temperature:** -10 ÷ +55 °C. **Dimensions:** W 90 × H 90 × D 60 mm. **Weight:** 165 g. **Reset tool:** supplied. **Consumption at power voltage - Idle mode:** 500 µA; **Alarm mode:** 1.8 mA. **Power supply:** DC24V (from 20.5 to 27.5 V). **Certifications:** CPR 305/2011 EN54-11, EN54-13, EN54-17.

**PAR67F**  
PAIE00200400



**IP67 pressure analogue-addressable call point**

**Alarm:** Manual alarm generated by pressing the centre of the replaceable front glass. **Address setup:** Using dip switches. **Indications:** 1 warning colour bar visible only after pressing the front panel. **Installation:** indoors / outdoors. **Protection class:** IP67. **Working temperature:** -10 ÷ +55 °C. **Dimensions:** W 112 × H 112 × D 82 mm. **Weight:** 262 g. **Reset tool:** supplied. **Consumption at power voltage - Idle mode:** 650 µA; **Alarm mode:** 3.5 mA. **Power supply:** DC24V (from 20 to 30 V). **Certifications:** CPR 305/2011 EN54-11, EN54-13.



For AS line products, see dedicated catalogue.

## Bases for detectors

**STB-PR10**  
RMACB0000200



**High-profile adapter (10-piece box)**

**Compatibility:** UB4 bases, IE series detector bases, FYRA SNI04A, SNI05A, SNI06A detector bases. Openings for pipes with 20-25 mm diameter. **Dimensions:** W 105 × H 44 × D 105 mm. **Package:** 10-pcs pack.

## Power supply groups

### FPU24025M

GIALI0101300



#### DC24V/2.5 A supervised power supply group

**Power supply:** AC230V. **Maximum current draw from battery:** 17 mA. **Output voltage:** 27,1 Vdc nominal (adjustment from 21,0 Vdc to 28,8 Vdc). **Supplied current:** 2.5 A maximum. **Battery:** 2 supervised batteries (from 7 to 20 Ah). **Outputs:** 2, fuse-protected. **Indications:** mains loss, faulty power supply or battery charger, battery circuit open or short-circuited, low battery, fault of a device wired to its input. **Working temperature:** -5 / +55 °C. **Protection class:** IP42. **Dimensions:** W 395 × H 356 × D 96 mm. **Weight:** 4.90 kg (without batteries). **Certifications:** CPR 305/2011 EN54-4, EN54-13.

### FPU24055L

GIALI0100800



#### DC24V/5.5 A supervised power supply group

**Power supply:** AC230V. **Maximum current draw from battery:** 24 mA. **Output voltage:** 27,1 Vdc nominal (adjustment from 21,0 Vdc to 28,8 Vdc). **Supplied current:** 5.5 A max. **Battery:** 2 supervised batteries (from 17 to 45 Ah). **Outputs:** 2, fuse-protected. **Indications:** mains loss, faulty power supply or battery charger, battery circuit open or short-circuited, low battery, fault of a device wired to its input. **Working temperature:** -5 / +55 °C. **Protection class:** IP42. **Dimensions:** W 455 × H 356 × D 187 mm. **Weight:** 7.60 kg (without batteries). **Certifications:** CPR 305/2011 EN54-4, EN54-13.

### C72HEN

CFCSA0100200



NEW

#### Cable to wire HEKLA and TACÓRA control panels to auxiliary power supply groups to increase system autonomy

**Length:** 2 m. **Certifications:** CPR 305/2011 EN54-13.

## Intrinsically safe devices

### EVC-PY-IS

SCRSI0100200



UPON REQUEST

#### Intrinsically safe conventional smoke detector compatible with TACÓRA control panels with specific ATEX firmware version. 2 x Zener barriers mod. Z928 required

**Sensitivity:** 4.5% obscuration per metre. **Start-up time:** 1 minute. **Outputs:** indicators for remote signalling, 2mA maximum load, DC24V. **Housing:** ABS plastic material; UB-4IS base required (optional). **Working temperature:** -10 - 50 °C. **Protection class:** IP42. **Dimensions:** H 33 × Ø 104 mm. **Weight:** 110 g (without base). **Consumption at power voltage - Idle mode:** 50 µA; **Alarm mode:** 50.0 mA. **Power supply:** from 10 to 32 Vdc. **Certifications:** CPR 305/2011 EN54-7, EN54-13, certified ATEX class 1G (Gas), T4 (Temperature) - Ga Ex ia IIC T4, Ta = 50°C; EMC BSEN50130-4 compliance.

### UB-4IS

ARREVB00100



UPON REQUEST

#### Standard base for EVC-PY-IS intrinsically safe optical detector

### Z928

ARREVB100400



UPON REQUEST

#### Zener barrier for ATEX detection

**Compatibility:** EXTING module; TAEXP10 module; EVC-PY-IS detector. **Wirings:** 1 AC channel. **Series resistance:** max 327 Ω. **Fuse:** 50 mA. **Device mounting:** on DIN rail. **Operating voltage:** 26 V at 10 µA.

# Conventional detection

## TACÓRA series

### Conventional analogue-addressable control panels

**TA4000**  
ICCTA0103900   
ICCTA0103901   
**CPR**  
305/2011



**Hybrid configuration: 4 conventional zones + 2 analogue-addressable loops**

**Conventional zones:** 4 zones. **Hybrid expansion:** 4 Conventional zones + 2 analogue-addressable loops using AS or FYRA optional loop modules (2 AS loops or 2 FYRA loops or 1 AS loop + 1 FYRA loop). **Dedicated conventional call point zones:** 1. **Outputs:** 1 relay output for fault; 1 relay output for pre-alarm; 2 auxiliary relay outputs; 1 supervised alarm output. **User interface:** Colour graphic display, notification LEDs, buttons. **Extinguishing module:** EXTING module (optional). **Built-in interfaces:** 1 MINI-DIN for configuration via software; 1 × RS-485 line for the connection of 2 TAREPEATER repeat panels (max). **Supervision software:** GLOBALPRO. **Centralization software:** e-Connect. **LAN connection:** MDLAN optional module for Ethernet connection, e-Connect platform interfacing and integration with GLOBALPRO supervision software. **GSM/LTE connection:** MDGSME / MD4GE module (optional) to send control panel alarm and status SMS messages and for e-Connect platform interfacing. **Protection class:** IP30. **Dimensions:** W 500 × H 450 × D 200 mm. **Weight:** 6.00 kg. **Battery:** 2 × DC12V / 26Ah batteries (not included). **Power supply:** AC230V - 50/60Hz, DC29V / 3.45 A max power supply unit (supplied). **Consumption at power voltage - Idle mode:** 80 mA. **Certifications:** CPR 305/2011 EN54-2 and EN54-4, EN54-13, EN54-21 (with MDGSME optional GSM module) and EN12094-1 (with EXTING optional extinguishing module).

**TA2000**  
ICCTA0103800   
ICCTA0103801   
**CPR**  
305/2011



**Hybrid configuration: 4 conventional zones expandable up to 12 + 1 analogue-addressable loop**


**Conventional zones:** 4 zones. **Conventional expansion:** Up to 12 conventional zones with 1 TAEXP10 expansion board. **Hybrid expansion:** Up to 12 conventional zones with 1 TAEXP10 expansion board (optional) + 1 AS or FYRA analogue addressable loop with AS or FYRA loop module (optional). **Dedicated conventional call point zones:** 1. **Outputs:** 1 relay output for fault; 1 relay output for pre-alarm; 2 auxiliary relay outputs; 1 supervised alarm output. **User interface:** Colour graphic display, notification LEDs, buttons. **Extinguishing module:** EXTING module (optional). **Built-in interfaces:** 1 MINI-DIN for configuration via software; 1 × RS-485 line for the connection of 2 TAREPEATER repeat panels (max). **Supervision software:** GLOBALPRO. **Centralization software:** e-Connect. **LAN connection:** MDLAN optional module for Ethernet connection, e-Connect platform interfacing and integration with GLOBALPRO supervision software. **GSM/LTE connection:** MDGSME / MD4GE module (optional) to send control panel alarm and status SMS messages and for e-Connect platform interfacing. **Protection class:** IP30. **Dimensions:** W 390 × H 390 × D 99 mm. **Weight:** 6.20 kg (packed product). **Battery:** 2 × DC12V / 18Ah batteries (not supplied). **Power supply:** AC230V - 50/60Hz, DC29V / 2.6 A max power supply unit (supplied). **Consumption at power voltage - Idle mode:** 80 mA. **Certifications:** CPR 305/2011 EN54-2 and EN54-4, EN54-13, EN54-21 (with MDGSME optional GSM module) and EN12094-1 (with EXTING optional extinguishing module).

**Intrinsically-safe version available (conventional zones) for ATEX detection (ICCTA0104000)**

**TA2000**  
ICCTA0104000

**Intrinsically-safe version TA2000 control panel for ATEX detection**

### Conventional control panels



**TA1004**  
ICCTA0103700   
ICCTA0103701   
**CPR**  
305/2011



**4-conventional-zone control panel**

**Conventional zones:** 4 zones. **Dedicated conventional call point zones:** 1. **Outputs:** 1 relay output for fault; 1 relay output for pre-alarm; 2 auxiliary relay outputs; 1 supervised alarm output. **User interface:** Colour graphic display, notification LEDs, buttons. **Extinguishing module:** EXTING module (optional). **Built-in interfaces:** 1 MINI-DIN for configuration via software; 1 × RS-485 line for the connection of 2 TAREPEATER repeat panels (max). **Supervision software:** GLOBALPRO. **Centralization software:** e-Connect. **LAN connection:** MDLAN optional module for Ethernet connection, e-Connect platform interfacing and integration with GLOBALPRO supervision software. **GSM/LTE connection:** MDGSME / MD4GE module (optional) to send control panel alarm and status SMS messages and for e-Connect platform interfacing. **Protection class:** IP30. **Dimensions:** W 320 × H 304 × D 83 mm. **Weight:** 4.00 kg (packed product). **Battery:** 2 × DC12V / 7Ah batteries (not included). **Power supply:** AC230V - 50/60Hz, DC29V / 2.6 A max power supply unit (supplied). **Consumption at power voltage - Idle mode:** 40 mA. **Certifications:** CPR 305/2011 EN54-2 and EN54-4, EN54-13, EN54-21 (with MDGSME optional GSM module) and EN12094-1 (with EXTING optional extinguishing module).

## TA1002

ICCTA0103600   
ICCTA0103601 

**CPR**  
305/2011



### 2-conventional-zone control panel

**Conventional zones:** 2 zones. **Dedicated conventional call point zones:** 1. **Outputs:** 1 relay output for fault; 1 relay output for pre-alarm; 2 auxiliary relay outputs; 1 supervised alarm output. **User interface:** Colour graphic display, notification LEDs, buttons. **Extinguishing module:** EXTING module (optional). **Built-in interfaces:** 1 MINI-DIN for configuration via software; 1 × RS-485 line for the connection of 2 TAREPEATER repeat panels (max). **Supervision software:** GLOBALPRO. **Centralization software:** e-Connect. **LAN connection:** MDLAN optional module for Ethernet connection, e-Connect platform interfacing and integration with GLOBALPRO supervision software. **GSM/LTE connection:** MDGSME / MD4GE module (optional) to send control panel alarm and status SMS messages and for e-Connect platform interfacing. **Protection class:** IP30. **Dimensions:** W 320 × H 304 × D 83 mm. **Battery:** 2 × DC12V / 7Ah batteries (not included). **Power supply:** AC230V - 50/60Hz, DC29V / 2.6 A max power supply unit (supplied). **Consumption at power voltage - Idle mode:** 30 mA. **Certifications:** CPR 305/2011 EN54-2 and EN54-4, EN54-13, EN54-21 (with MDGSME optional GSM module) and EN12094-1 (with EXTING optional extinguishing module).

## Repeating panel

### TAREPEATER

ACATARP00500

**CPR**  
305/2011



**Repeating panel for TACÓRA series panels (4.0 and higher versions). It reports all control unit messages and states on its display and LEDs in real time**

**Connections:** Terminal board on printed circuit for power supply and RS-485 serial line. **Indications:** Different colour LED indicators, LCD with specific message, built-in buzzer. **Working temperature:** -5 / +40 °C. **Dimensions:** W 312 × H 176 × D 40 mm. **Weight:** 1.50 kg. **Consumption at power voltage - Idle mode:** 14 mA; **Alarm mode:** 18.0 mA. **Power supply:** DC24V supplied by the control unit or by a remote power supply group. **Certifications:** Certified CPR 305/2011 EN54-2, EN54-13 with TACÓRA system.

## Expansion modules

### TAEXP10

ACATAMC00100

**CPR**  
305/2011



**Expansion board for up to 8 conventional zones**

**Compatibility:** TA2000 control panels. **Zones:** 8 current-absorption balanced zones. **Outputs:** 8 open-collector outputs. **Dimensions:** W 140 × H 50 mm. **Weight:** 120 g. **Consumption at power voltage - Idle mode (NC lines):** 11 mA; **Idle mode (balanced lines):** 50.0 mA; **Max. power consumption:** 165 mA. **Versions:** Intrinsically-safe version available for ATEX detection (ACATAMC00400) ; Compatible with intrinsically-safe TA2000 panel; 2 x Z928 Zener barriers required. **Certifications:** Certified CPR 305/2011 EN54-2, EN54-13 with TACÓRA system.

**Intrinsically-safe version available for ATEX detection (ACATAMC00400)**

### TAEXP10

ACATAMC00400

**Intrinsically-safe version TAEXP10 module for ATEX detection**

## LAN module

### MDLAN

AWMDCCL00100



**Ethernet module providing a 10Mbit Ethernet connection**

**Compatibility:** VIDOMO2K, VICOMPACT2K, PREGIO control units; TACÓRA v.5.2 or higher firmware panels. **Functions:** it allows unit configuration and remote control via TCP/IP and the connection to e-Connect. **Power supply:** DC12V from control units. **Max. power consumption:** 50 mA. **Weight:** 40 g (packed product). **Certifications:** IMQ-Security Systems EN 50136-2, EN 50131-3 grade 2-3 according to the system it is installed in, environmental class II.

## Extinguishing module

**EXTING**  
ACATAMS00100



### 1-zone extinguishing module

**Connections:** 1 balanced zone for extinguishing agent flux indication (e.g. pressure switch), 1 balanced zone for emergency interruption device (e.g. push-button for extinguishing interruption request), 1 balanced input for manual devices (e.g. push-button for extinguishing request), 1 PTC-protected supervised output for extinguishing signal transmission (e.g. control of a solenoid valve), 1 PTC-protected supervised output for alarm devices activation (e.g. optical-acoustical alarms), 1 PTC-protected supervised output for activation of the extinguishing process signalling devices, 1 connector for RS485 and power supply. **Address setup:** 1 selector for module addressing (from 0 to 7). **Dimensions:** W 64 × H 125 × D 26 mm. **Weight:** 140 g (packed product). **Max. power consumption:** 75 mA. **Power supply:** DC24V from control unit. **Versions:** Intrinsically-safe version available for ATEX detection (ACATAMS00300); compatible with intrinsically-safe TA2000 panel; 2 × Z928 Zener barriers required. **Certifications:** CPR 305/2011 EN54-13, UNI EN 12094-1.

**Intrinsically-safe version available for ATEX detection (ACATAMS00300)**

**EXTING**  
ACATAMS00300

**Intrinsically-safe version EXTING module for ATEX detection**

## Power unit

**AL2SW24**  
GIALI0200500



**Power supply unit with AC230V / 2A input and 29 Vdc / 2A output**

**Supplied current:** 2 A. **Outputs:** DC29V - 2 A. JST connector. **Weight:** 280 g (packed product).

## Relay board

**TAREL24**  
ACATAMR00100



### 4-relay board

**Outputs:** 4 relay outputs. **Dimensions:** W 50 × H 90 × D 30 mm. **Weight:** 120 g. **Max. power consumption:** 40 mA. **Power supply:** DC24V from control unit. **Certifications:** Certified CPR 305/2011 EN54-2, EN54-13 with TACÓRA system.

## GSM / 4G modules

**MDGSME**  
AWMDCCG00800



**GSM/GPRS dual-band module equipped with connector for connection of an external antenna to connect to the GSM mobile network. Antenna kit required (not supplied)**

**Compatibility:** intrusion detection: VIDOMO2K, PREGIO series, PROXIMA series, TITANIACOMPACT; fire detection: TACÓRA series. **Functions:** It allows connecting the control unit to e-Connect, sending SMS messages for alarm and state signalling. **Compatible antenna kits:** GSMEXA15, GSMEXA2, GSMACI (for TACÓRA panels). **Power supply:** DC12V or DC24V from control unit. **Max. power consumption:** 220 mA. **Dimensions:** W 63 × H 48 × D 14 mm. **Weight:** 75 g (packed product). **Certifications:** IMQ-Alarm EN 50136-2, EN50131-10 grade 3, environmental class II / CPR 305/2011 EN54-13, EN54-21.

**MDGSMETA**  
CMAAC0200100



**Kit for installation inside TACÓRA panels including one MDGSME module and one GSMACI antenna kit**

**MDGSME (ONE)**  
AWMDCCG01900



**ONE line GSM/GPRS dual-band module equipped with connector for connection of an external antenna to connect to the GSM mobile network. Antenna kit required (not supplied)**

**Compatibility:** intrusion detection: VIDOMO2K, PREGIO series, PROXIMA series, TITANIACOMPACT; fire detection: TACÓRA series. **Functions:** It allows connecting the control unit to e-Connect, sending SMS messages for alarm and state signalling. **Compatible antenna kits:** GSMEXA15, GSMEXA2, GSMACI (for TACÓRA panels). **Power supply:** DC12V or DC24V from control unit. **Max. power consumption:** 220 mA. **Dimensions:** W 63 × H 48 × D 14 mm. **Weight:** 75 g (packed product). **Certifications:** IMQ-Alarm EN 50136-2, EN50131-10 grade 3, environmental class II.

**MDGSMETA (ONE)**  
CMAAC0200300



**Kit for installation inside TACÓRA panels including one MDGSME module (One line) and one GSMACI antenna kit**

## Conventional detection

**MD4GE**  
AWMDCCG01400



**4G module with connector to connect an external antenna. Antenna kits required (not supplied)**

**Compatibility:** intrusion detection: VIDOMO2K, PREGIO series, PROXIMA series; fire detection: TACÓRA series. **Functions:** It provides 2G, 3G and 4G connectivity for remote control, connection to e-Connect and messages sending for voice alarms or SMS. It supports voice communications over 2G and 3G. With 3G connectivity, both voice connection and data connection via e-Connect can be active simultaneously. **Power supply:** DC12V or DC24V from control unit. **Max. power consumption:** 259 mA. **Dimensions:** W63 × H48 × D13 mm. **Weight:** 34 g. **Standards:** compliant with EN 50136-2, EN50131-10 grade 3.

**MD4GETA**  
CMAAC0200200



**Kit for installation inside TACÓRA panels including one MD4GE module and one ANT4GTA antenna kit**

### Accessories for GSM / 4G modules

**GSMACI**  
CMAAC0100100



**Internal antenna kit for Tacóra control units, required to properly install MDG-SME module inside control units when the cellular radio signal is good**

**GSMEXA2**  
A1MDCCA00700



**Optional antenna for MDGSME, ETRGSM, INT9200, NET832, NET9, PREGIO, PROXIMA supplied with 2 m cable. It can be installed 2 m far from control unit or GSM interface when used with the supplied antenna for a better coverage**

**Weight:** 350 g (packed product).

**GSMEXA15**  
A1MDCCA00800



**Optional antenna for MDGSME, ETRGSM, INT9200, NET832, NET9, PREGIO, PROXIMA supplied with 15 m cable. It can be installed 15 m far from control unit or GSM interface when used with the supplied antenna for a better coverage**

**Weight:** 1000 g (packed product).

**ANT4GTA**  
CMAAC0100300



**Internal antenna kit for Tacóra control units, required to properly install MD4GE module inside control units when the cellular radio signal is good**

**ANT4GEXA2**  
A1MDCCA00500



**Antenna for MD4GE with 2 m cable. It can be installed 2 m far from control unit when used with the supplied antenna for a better coverage**

**ANT4GEXA15**  
A1MDCCA00600



**Antenna for MD4GE with 15 m cable. It can be installed 15 m far from control unit when used with the supplied antenna for a better coverage**

### Modules for building automation interfacing

**ELMOGWAY**  
ACMDIMP00100



**Gateway allowing data communication between EL.MO. intrusion detection units and automation systems based on MODBUS, KNX and SCS protocols**

**Compatibility:** all the EL.MO. intrusion detection control units on catalogue; TACÓRA fire detection panel. **Connection to control units:** via LAN (with EL.MO. LAN board), via RS232 serial line or via USB. Native functions: MODBUS TCP and RTU interface. Interaction with units through reading and commands. **Programming:** via webserver. **Power supply:** 10 - 16 Vdc, 3 W power consumption. **Dimensions:** W 90 × H 98 × D 62 mm (5 DIN modules).

**ELMOGWAY2**  
ACMDIMP00200



**Small-sized gateway allowing data communication between EL.MO. intrusion detection units and automation systems based on MODBUS, KNX and SCS protocols**

**Compatibility:** all the EL.MO. intrusion detection control units on catalogue; TACÓRA fire detection panel. **Connection to control units:** via LAN (with EL.MO. LAN board) or via USB. Native functions: MODBUS TCP and RTU interface. Interaction with units through reading and commands. **Programming:** via webserver. **Power supply:** 10 - 16 Vdc, 3 W power consumption. **Dimensions:** W 90 × H 36 × D 62 mm (2 DIN modules).

## Digital dialler

**MDCOMBI**  
AIACTMC00100  
CPR 305/2011



**IP Bridge PRO - 4G.IN6.R6 - Digital dialler.** It receives alarm and fault signals from intrusion detection or fire detection control panels and it forwards them via Internet to control centers and to single addressees

**Signal reception:** from an existing dialler that uses the Contact ID protocol (via twisted pair) or from 6 control unit relay outputs to be wired to MDCOMBI inputs or from RS-232 line. **Alarm transmission:** using SIA IP DC-09 or TEX via Internet (Ethernet and/or 4G) to 6 different alarm reception centers, with VOIP calls, SMS via internet and e-mail sending (VOIP and SMS functions require using an external SIP service). **Zones:** 6 NA/NC inputs programmable separately; 1 PSTN input to convert the signals coming from a phone dialler to digital signals. **Outputs:** 6 NO relay outputs max 1 A @ 12 Vcc. **Cameras:** Up to 4 IP ONVIF cameras can be connected. **Programming:** via integrated webserver. **Memory card:** 8 GB on-board SD card installed (for log and video storage). **Power supply:** 12 - 24 Vdc. **Dimensions:** W 200 × H 260 × D 90 mm. **Certifications:** CPR 305/2011 EN54-13, EN54-21.

## FYRA conventional detectors

**SNI01C**  
SCRFY0100100  
CPR 305/2011



**FYRA conventional smoke detector**

**Installation:** with base. **Indications:** equipped with 2 red LEDs, fixed light. **Alarm threshold - Smoke:** 0,08÷0,12 dB/m. **Protection class:** IP43. **Working temperature:** -10 - 50 °C. **Dimensions:** H 38 × Ø 100 mm. **Weight:** 145 g. **Consumption at power voltage - Alarm mode:** 64.0 mA. **Power supply:** DC24V (from 9 to 33 V). **Certifications:** CPR 305/2011 EN54-7, EN54-13; 2014/90/EU (MED); LPCB; UAE CoC.

**SNI02C**  
SCRFY0200100  
CPR 305/2011



**FYRA conventional heat detector**

**Installation:** with base. **Indications:** equipped with 2 red LEDs, fixed light. **Alarm threshold - Heat:** A1R. **Protection class:** IP43. **Working temperature:** -10 - 50 °C. **Dimensions:** H 38 × Ø 100 mm. **Weight:** 140 g. **Consumption at power voltage - Alarm mode:** 64.0 mA. **Power supply:** 24 V. **Certifications:** CPR 305/2011 EN54-5, EN54-13; 2014/90/EU (MED); LPCB; UAE CoC.

**SNI03C**  
SCRFY0300100  
CPR 305/2011



**FYRA conventional combined smoke and heat detector**

**Installation:** with base. **Indications:** equipped with 2 red LEDs, fixed light. **Alarm threshold - Smoke:** 0.08-0.13 dB/m; **Heat:** A2. **Protection class:** IP43. **Working temperature:** -10 - 50 °C. **Dimensions:** H 48 × Ø 100 mm. **Weight:** 150 g. **Consumption at power voltage - Alarm mode:** 64.0 mA. **Power supply:** 24 V. **Certifications:** CPR 305/2011 EN54-5, EN54-7, EN54-13; 2014/90/EU (MED); LPCB; UAE CoC.

## Alarm call points

**BRVEN2**  
PCPMC0101200  
CPR 305/2011



**Indoor manual call point, tool for case opening and reset included**

**Activation:** Pressing the centre of the replaceable front glass. **Working temperature:** -10 ÷ +55 °C. **Protection class:** IP2XD (da interno). **Power supply:** 24 V. **Dimensions:** W 90 × H 90 × D 60 mm. **Weight:** 230 g. **Certifications:** CPR 305/2011 EN 54-11, EN54-13.

**BRVENIP**  
PCPMC0100300  
CPR 305/2011



**CXM/WP - Outdoor manual call point, tool for case opening and reset included**

**Activation:** glass-break. **Working temperature:** -10 ÷ +55 °C. **Protection class:** IP66. **Power supply:** 9 ÷ 30 V. **Dimensions:** W 113 × H 87 × D 59 mm. **Weight:** 135 g (packed product). **Certifications:** CPR 305/2011 EN 54-11, EN54-13.

**BRVB**  
PCPMC0100800



**Indoor blue pressure call point**

**Activation:** Pressing the centre of the replaceable front glass. 1 contact. **Installation:** Indoor. **Working temperature:** -10 ÷ +50 °C. **Dimensions:** W 90 × H 94 × D 33 mm. **Current draw:** 0.5 A at DC30V; 1 A at AC125V.

**BRVG**  
PCPMC0100700



**Indoor yellow pressure call point**

**Activation:** Pressing the centre of the replaceable front glass. 1 contact. **Installation:** Indoor. **Working temperature:** -10 ÷ +50 °C. **Dimensions:** W 90 × H 94 × D 33 mm. **Current draw:** 0.5 A at DC30V; 1 A at AC125V.

## Spare glasses

**BRVENV10**  
PAAC00000100

Pack of 10 spare glasses for BRVEN, BRVENIP, STNCPPI and ST-NCP-EN glass-break fire alarm call points

## Conventional detectors with relay base for residential applications

**SNI01CR**  
SCRFY0100200



**Conventional smoke detector with relay base. Suitable for use with DC12V intrusion detection control units, for residential applications**

**Installation:** with base. **Outputs:** NO alarm relay, 100 mA capacity. **Indications:** equipped with 2 red LED indicators and terminals for connection of an optional LED. **Alarm threshold - Smoke:** 0,08±0,12 dB/m. **Protection class:** IP43. **Working temperature:** -10 - 50 °C. **Dimensions:** H 48 × Ø 100 mm (base included). **Weight:** 145 g. **Consumption at power voltage - Idle mode:** 36 µA; **Alarm mode:** 34.0 mA. **Power supply:** DC12V (from 10 to 15 V).

**SNI02CR**  
SCRFY0200200



UPON REQUEST

**Conventional heat detector with relay base. Suitable for use with DC12V intrusion detection control units, for residential applications**

**Installation:** with base. **Outputs:** NO alarm relay, 100 mA capacity. **Indications:** equipped with 2 red LED indicators and terminals for connection of an optional LED. **Alarm threshold - Heat:** A1R. **Protection class:** IP43. **Working temperature:** -10 - 50 °C. **Dimensions:** H 48 × Ø 100 mm (base included). **Weight:** 140 g. **Consumption at power voltage - Idle mode:** 36 µA; **Alarm mode:** 34.0 mA. **Power supply:** DC12V (from 10 to 15 V).

**SNI03CR**  
SCRFY0300200



UPON REQUEST

**Conventional combined smoke and heat detector with relay base. Suitable for use with DC12V intrusion detection control units, for residential applications**

**Installation:** with base. **Outputs:** NO alarm relay, 100 mA capacity. **Indications:** equipped with 2 red LED indicators and terminals for connection of an optional LED. **Alarm threshold - Smoke:** 0.08-0.13 dB/m; **Heat:** A2. **Protection class:** IP43. **Working temperature:** -10 - 50 °C. **Dimensions:** H 58 × Ø 100 mm (base included). **Weight:** 150 g. **Consumption at power voltage - Idle mode:** 36 µA; **Alarm mode:** 34.0 mA. **Power supply:** DC12V (from 10 to 15 V).

## Wireless detection

For more information about the wireless fire detection line and for prices, please send your inquiries to [international@elmospa.com](mailto:international@elmospa.com)

### Wireless detectors for residential applications

#### NG-TRX wireless detectors

**SMCOR2K**  
RWRR10000400



**Wireless NG-TRX combined smoke/CO detector for residential applications**

**Detection type:** Smoke + carbon monoxide. **Compatibility:** Villeggio NG-TRX control units, Pregio, Proxima (using GATEWAY2K). **Wireless range:** 950 m (in open field). **Indications:** multicolor LED and buzzer for alarm, fault, tamper. **Functions:** test starting and silencing using a button. **Programming:** via BrowserOne software. **Dimensions:** Ø 120 mm × D 45 mm. **Weight:** 160 g. **Power supply:** 3V from CR123A battery. **Consumption at power voltage - Idle mode:** 50 µA; **Alarm mode:** 95.0 mA. **Autonomy:** 2 years. **Conformity:** EN 14604 - EN 50291.

**SMR2K**  
RWRR10000500



**Wireless NG-TRX smoke detector for residential applications**

**Detection type:** Smoke. **Compatibility:** Villeggio NG-TRX control units, Pregio, Proxima (using GATEWAY2K). **Wireless range:** 950 m (in open field). **Indications:** multicolor LED and buzzer for alarm, fault, tamper. **Functions:** test starting and silencing using a button. **Programming:** via BrowserOne software. **Dimensions:** Ø 120 mm × D 45 mm. **Weight:** 160 g. **Power supply:** 3V from CR123A battery. **Consumption at power voltage - Idle mode:** 18 µA; **Alarm mode:** 110.0 mA.

#### Wireless detectors

**DRACOG2**  
RWRR10000200



**Wireless temperature detector with base. Requires an EL.MO. intrusion detection control unit equipped with wireless interface**

**Compatibility:** HELIOS, HERCOLA, VILLEGGIO control units, RX-TX HALENTE and HALLEY wireless units, RIVERRF and RIVERRFPLUS concentrators. **Wireless range:** 80 m (with clear line of sight). **Intervention temperature:** 66°C. **Indications:** LED indicators for alarm and transmission. **Dimensions:** W 176 × H 88 × D 125 mm. **Weight:** 590 g. **Consumption at power voltage - Idle mode:** 20 µA; **Alarm mode:** 50.0 mA. **Power supply:** 18 V supplied by 2 alkaline batteries for the sensor, 9 V supplied by 1 alkaline battery for control and radio section.

**RFCH4**  
RWRRG0000100



**Wired/wireless METHANE gas detector for civilian use**

**Compatibility:** HELIOS, HERCOLA, VILLEGGIO control units, RX-TX HALENTE and HALLEY wireless units, RIVERRF and RIVERRFPLUS concentrators. **Detection type:** gas concentration 10% LEL (lower explosive limit). **Wireless range:** 80 m (with clear line of sight). **Outputs:** relay output, wireless output compatible with Helios systems with hourly supervision. **Indications:** LED indicators for power supply, fault/alarm and internal buzzer. **Consumption at power voltage - Maximum:** 95 mA. **Power supply:** AC230V or DC12V. **Dimensions:** W 150 × H 90 × D 52 mm. **Weight:** 350 g.

**RFCO**  
RWRRG0000300



**Wired/wireless CO gas detector for civilian use**

**Compatibility:** HELIOS, HERCOLA, VILLEGGIO control units, RX-TX HALENTE and HALLEY wireless units, RIVERRF and RIVERRFPLUS concentrators. **Detection type:** gas concentration 10% LEL (lower explosive limit). **Wireless range:** 80 m (with clear line of sight). **Outputs:** relay output, wireless output compatible with Helios systems with hourly supervision. **Indications:** LED indicators for power supply, fault/alarm and internal buzzer. **Consumption at power voltage - Maximum:** 95 mA. **Power supply:** AC230V or DC12V. **Dimensions:** W 150 × H 90 × D 52 mm. **Weight:** 350 g.

**RFGPL**  
RWRRG0000200



**Wired/wireless LPG gas detector for civilian use**

**Compatibility:** HELIOS, HERCOLA, VILLEGGIO control units, RX-TX HALENTE and HALLEY wireless units, RIVERRF and RIVERRFPLUS concentrators. **Detection type:** gas concentration 10% LEL (lower explosive limit). **Wireless range:** 80 m (with clear line of sight). **Outputs:** relay output, wireless output compatible with Helios systems with hourly supervision. **Indications:** LED indicators for power supply, fault/alarm and internal buzzer. **Consumption at power voltage - Maximum:** 95 mA. **Power supply:** AC230V or DC12V. **Dimensions:** W 150 × H 90 × D 52 mm. **Weight:** 350 g.

## Complementary products

### Electromagnetic retainers

**FE02**  
FE0020100200  
CPR  
305/2011



**19001 + 01805Z - Electromagnetic retainer for fire doors**

**Holding strength:** 55 kg. **Components:** Release button, black ABS box, swivel counterplate to hold the magnetic retainer. **Weight:** 780 g. **Max. power consumption:** 70 mA. **Power supply:** DC24V.

**FE03**  
FE0020100300  
CPR  
305/2011



**19001 + 01805Z + 01740 - Electromagnetic retainer for fire doors with telescopic column**

**Holding strength:** 55 kg. **Components:** Release button, black ABS box, swivel counterplate to hold the magnetic retainer, 140 mm telescopic bracket. **Weight:** 1400 g (packed product). **Max. power consumption:** 70 mA. **Power supply:** DC24V.

**FE05**  
FE0020100500  
CPR  
305/2011



**18101 + 01815Z - Electromagnetic retainer for fire doors with high holding strength**

**Holding strength:** 140 kg. **Components:** Release button, black steel box, swivel counterplate to hold the magnetic retainer. **Weight:** 1600 g (packed product). **Max. power consumption:** 70 mA. **Power supply:** DC24V. **Certifications:** CPR 305/2011 EN54-13, EN1155.

**FE06**  
FE0020100600  
CPR  
305/2011



UPON REQUEST

**18101 + 01815Z + 01740 - Electromagnetic retainer for fire doors with high holding strength and telescopic column**

**Holding strength:** 140 kg. **Components:** Release button, black steel box, swivel counterplate to hold the magnetic retainer, 140 mm telescopic bracket. **Weight:** 2220 g (packed product). **Max. power consumption:** 70 mA. **Power supply:** DC24V.

### Columns for retainers

**STFE01**  
FE0020200100



**1740 - Extendable column with square section mm. 40 x 40, 180°-orientable, for horizontal wall installation or vertical floor installation of fire door magnetic retainers**

**Dimensions:** Length 140 mm.

**STFE02**  
FE0020200200



**01740M - Extendable column with square section mm. 40 x 40, 180°-orientable, for horizontal wall installation or vertical floor installation of fire door magnetic retainers**

**Dimensions:** adjustable length from 218 to 360 mm. **Weight:** 860 g (packed product).

### Installation in ducts

**UG7KIT1**  
RMACR0201200



**Kit including housing for installation of fire detectors in UG-7STD conduits and ST2 0.6-m Venturi pipe**

**Weight:** 880 g (packed product).

**UG7KIT2**  
RMACR0201300



**Kit including housing for installation of fire detectors in UG-7STD conduits and ST5 1.5-m Venturi pipe**

**Weight:** 880 g (packed product).

### Bracket

**UGMB75**  
RMACR0201500



**Mounting bracket for UG7STD installation on round ducts**

## Pipes

**ST2**  
RMACR0201000



Venturi pipe 0.6m for UG7STD

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**ST5**  
RMACR0201100



Venturi pipe 1.5m for UG7STD

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**ST9**  
RMACR0201400



Venturi pipe 2.8m for UG7STD

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## Case

**UGCOVER75**  
RMACR0201600



Outdoor case for UG7STD

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## Flood detector

**RCALG**  
RCRAA0000100



Flood detector with relay alarm output

**Functions:** Transmissions for flooding, supervision. **Consumption at power voltage - Idle mode:** 500  $\mu$ A; **Alarm mode:** 23.0 mA. **Power supply:** 12 Vcc. **Dimensions:** W 39 × H 155 × D 33 mm. **Weight:** 80 g (packed product).

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## Tester

**SOLOA10**  
RMACR0101400



250 ml spray tester for smoke detectors

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For SOLO series devices (kit for detectors mounting, removal and maintenance), please contact our Systems Design Department:  
Phone: 049 9203331  
e-mail: [progettazione.sistemi@elmospa.com](mailto:progettazione.sistemi@elmospa.com)

## Linear smoke detection

### FIRERAY detectors

#### FIRERAYONE

RLFIR0101100



#### Linear reflection motorized and self-calibrating smoke detector

**Parts supplied:** controller integrated in the detector head; 1 prism supplied. **Detection range:** 0 to 50 m (extendable to 120 m with FIRERAY5000100KIT optional kit). **Optical wavelength:** 850 nm (IR), 650 nm (calibrating laser). **Alarm thresholds:** 4 (25%, 35%, 50%, 60%) settable with built-in controller. **Functions:** Quick self-calibrating (control of supporting wall, prism search, adjusting and aligning), compensation for building natural movements, compensation for dust on the TX-RX head surface, compensation for artificial and natural light. **Indications:** 2 green LEDs, 1 yellow LED. **Protection class:** IP55. **Housing flammability class:** UL94V0. **Dimensions:** Detector: W 130 × H 181 × D 134 mm, Reflective prism: W 100 × H 100 × D 9 mm. **Weight:** 0.90 kg (packed product). **Current draw:** mA idle, max 33 mA in calibration. **Power supply:** 14 - 36 Vdc. **Certifications:** CPR 305/2011 EN54-12, EN54-13, VDS EN54-12.

#### FIRERAY3000

RLFIR0200100



#### Smoke detector with infrared light beam

**Parts supplied:** 1 transmitting unit, 1 receiving unit, 1 controller (the controller can manage 2 TX-RX pairs). **Detection range:** from 5 to 120 m. **Optical wavelength:** 850 nm. **Working temperature:** -10 / +55 °C. **Protection class:** IP54. **Dimensions:** Control unit: W 203 × H 124 × D 71.5 mm, Transmitter and receiver: Ø 78 × P 61 mm. **Weight:** 1.80 kg (packed product). **Current draw:** Controller: 14 mA, Transmitter: 8 mA. **Power supply:** 14 - 36 Vdc. **Certifications:** CPR 305/2011 EN54-12, EN54-13, VDS EN54-12.

### Kit for FIRERAYONE

#### FIRERAY5000100KIT

RLFIR0100500



**Kit for FIRERAYONE, FIRERAY5000\* and FIRERAY5000T50\* to increase the optical range from 50 m to 120 m (for FIRERAYONE) or 100 m (for FIRERAY5000\*)**

**Functions:** kit composed of 3 reflective prisms (10x10 cm each). When installing the prisms on an adjustable mounting bracket, it is necessary to use the optional FIRERAYFPP plate. **Weight:** 0.23 kg (packed product).

\*products not reported in this catalogue

### Kit for FIRERAY3000

#### FIRERAY3000ES

RLFIR0200200



**Kit with transmitter and receiver heads, to be connected to the control unit of an already existing FIRERAY3000 system**

**Detection range:** 120 m. **Functions:** the controller of FIRERAY3000 can manage 2 FIRERAY3000ES. **Weight:** 0.80 kg (packed product).

### Mounting bracket

#### FIRERAY3000BKT

RLACCO200600



**Mounting bracket for FIRERAY3000 detector head and for FIRERAYFPP and FIRERAYSPP prism adapter plates for use with FIRERAYONE, FIRERAY5000\***

**Adjustable parameters:** Horizontal adjustment 360°. Vertical adjustment 180°.

\*products not reported in this catalogue

### Plates

#### FIRERAYSPP

RLACCO200400



UPON REQUEST

**Plate for installation of 1 prism (10 x10 cm) on a FIRERAY5000BKT\* or FIRERAY-3000BKT universal mounting bracket (not included)**

**Weight:** 140 g (packed product).

\*products not reported in this catalogue

#### FIRERAYFPP

RLACCO200500



UPON REQUEST

**Plate for the installation of 4 prisms (10 x 10 cm each) on a FIRERAY5000BKT\* or FIRERAY3000BKT universal mounting bracket (not included)**

**Weight:** 450 g (packed product).

\*products not reported in this catalogue

## Linear detectors

**RK100RS**  
RLRKS0100200



UPON REQUEST

Reflection-based linear smoke detector. It requires n. 2 RK90FX10 reflectors to be ordered separately (included in the price)

**Detection range:** 100 m max. **Maximum covered area:** 1500 smq. **Functions:** obscuration management; signal automatic compensation in case of dust presence on the lens. **Outputs:** 2 relay outputs for alarm and fault, 1 analogue output to display signal level remotely. **Protection class:** IP65. **Housing flammability class:** UL94V0. **Dimensions:** W 247 × H 146 × D 114 mm. **Weight:** 0.90 kg (packed product). **Current draw:** 18.6 mA idle, max 50 mA. **Power supply:** 11 - 30 Vdc. **Standards:** EN54-12 – VDS – CPD certifications.

**RK90RS**  
RLRKS0100100



Reflection-based linear smoke detector. It requires n. 1 RK90FX10 reflectors to be ordered separately (included in the price)

**Detection range:** 50 m max. **Maximum covered area:** 750 smq. **Functions:** obscuration management; signal automatic compensation in case of dust presence on the lens. **Outputs:** 2 relay outputs for alarm and fault, 1 analogue output to display signal level remotely. **Protection class:** IP50. **Housing flammability class:** UL94V0. **Dimensions:** W 162 × H 62 × D 62 mm. **Current draw:** 18.6 mA idle, max 50 mA. **Power supply:** 11 - 30 Vdc. **Standards:** EN54-12 – VDS – CPD certifications.

**RK90FX10**  
RLACC0400100



UPON REQUEST

Reflector for RK90RS, RK100RS linear smoke detectors

**Dimensions:** 100 × 100 mm.

## Optical-acoustic alarm devices

### Panels

#### Optical-acoustic panels

**LB3000**  
OATOATM01500   
OATOATM01501   




**Optical-acoustic fire alarm panel with built-in LED**

**Light signalling:** High-brightness flashing LED on the front of the display panel, flashing LED for "FIRE ALARM" optical signalling. **Acoustic signals:** Alarm indication with average buzzer sound pressure of 90 dB. **Installation:** Possibility of side wiring, increasing the comfort and ease of installation. **Protection class:** IP41. **Dimensions:** W 283 × H 150 × D 62 mm. **Weight:** 425 g. **Power supply:** DC24V (20 - 30 V). **Consumption at power voltage - Alarm mode:** 150.0 mA. **Certifications:** CPR 305/2011 EN54-3, EN54-13, EN54-23.

**LB2000**  
OATOATM00800  




**Optical-acoustic fire alarm panel**

**Light signalling:** Flashing LED for "FIRE ALARM" optical signalling. **Acoustic signals:** Alarm indication with average buzzer sound pressure of 90 dB. **Installation:** Possibility of side wiring, increasing the comfort and ease of installation. **Protection class:** IP41. **Dimensions:** W 283 × H 150 × D 51.5 mm. **Weight:** 390 g. **Power supply:** DC24V (10 - 30 Vdc). **Consumption at power voltage - Alarm mode:** 34.0 mA. **Certifications:** CPR 305/2011 EN54-3, EN54-13.

#### Plates for LB2000 optical-acoustical display panels

**DLB2AG**  
OAACCST01100



Plates for LB2000 series optical-acoustical display panels with "ALLARME GAS" message

**DLB2EL**  
OAACCST01200



Plates for LB2000 series optical-acoustical display panels with "EVACUARE IL LOCALE" message

**DLB2SC**  
OAACCST01300



Plates for LB2000 series optical-acoustical display panels with "SPEGNIMENTO IN CORSO" message

**DLB2FA**  
OAACCST01400



Plates for LB2000 series optical-acoustical display panels with "FIRE ALARM" message

**DLB2EP**  
OAACCST01500



Plates for LB2000 series optical-acoustical display panels with "EXTINGUISHING IN PROGRESS" message

### Sounders

**EL/7R**  
AVSOASA00100



**Indoor piezoelectric fire alarm siren**

**Maximum sound pressure:** 103 dB. **Dimensions:** W 137 × H 95 × D 40 mm. **Weight:** 210 g (packed product). **Power supply:** DC24V. **Max. power consumption:** 290 mA.

**VTG-32E-DB-R**  
AVSOASA01200  




**Indoor sounder with deep base**

**Maximum sound pressure:** 102 dB (with 32 tones). **Dimensions:** Ø 94 × D 101 mm. **Power supply:** DC24V. **Max. power consumption:** 31 mA. **Certifications:** CPR 305/2011 EN54-3, EN54-13.

**AV01AL**  
PGPMG0100100



**Indoor optical-acoustic indicator**

**Indications:** Omnidirectional front blinking optical LED. Acoustic indicator with sound pressure of 100 ± 5 dB at 1 m. Low battery indication. **Connections:** Possibility to connect up to 20 optical-acoustic alarm devices together with a polarized cable pair. **Activation:** With front switch. When an optical-acoustic alarm device switch activates, all connected optical-acoustic alarm devices will activate too. **Use:** for indoor use. **Dimensions:** W 180 × H 230 × D 70 mm. **Weight:** 470 g. **Power supply:** 9V/PP3 alkaline battery supplied, battery life up to 1 year in idle mode.

**SA100/24**  
AVSOASA00200  




**Outdoor piezoelectric fire alarm siren**

**Maximum sound pressure:** 108 dB. **Dimensions:** W 253 × H 290 × D 85 mm. **Weight:** 1.20 kg. **Power supply:** DC24V, battery supported B1.212G. **Consumption at power voltage - Idle mode:** 17 mA; **Alarm mode:** 550.0 mA. **Certifications:** CPR 305/2011 EN54-3, EN54-13.

## Repeaters

**RFPLI**  
AVSOARP00800



**LED optical repeater with fixed red light**

**Installation:** Surface mount (with a supplied adaptor) or flush mount. **Dimensions:** Body: Ø 34 x H 22 mm; surface mount adaptor: Ø 31 x 20 mm. **Weight:** Body: 6 g; adaptor: 4 g. **Max. power consumption:** 11 mA. **Power supply:** from 3 to 40 Vdc.

**RFP/L**  
AVSOARP00200



**Outdoor optical repeater connectable to sensors base**

**Light signalling:** 2 red LED indicators. **Material:** ABS plastic case. **Protection class:** IP3X. **Dimensions:** W 100 × H 70 × D 35 mm. **Weight:** 92 g (packed product). **Max. power consumption:** 7 mA. **Power supply:** from 6 to 30 Vdc.

## Fire bells

**MBL24BA**  
AVSOASA00700  




**CF6-24 - Indoor fire bell**

**Maximum sound pressure:** 95 dB. **Dimensions:** Ø 152 × D 60 mm. **Weight:** 1.10 kg (packed product). **Power supply:** DC24V. **Max. power consumption:** 25 mA. **Certifications:** CPR 305/2011 EN54-3, EN54-13.

**MBL24IP**  
AVSOASA00900  




**FB/24 - IP55 outdoor fire bell**

**Maximum sound pressure:** 95 dB. **Dimensions:** Ø 155 × D 85 mm. **Weight:** 1.24 kg (packed product). **Power supply:** DC24V. **Max. power consumption:** 35 mA. **Certifications:** CPR 305/2011 EN54-3, EN54-13.

## Power supply

### Power supply units

**AL2SW24**  
GIALI0200500



Power supply unit with AC230V / 2A input and 29 Vdc / 2A output  
**Supplied current:** 2 A. **Outputs:** DC29V - 2 A. JST connector. **Weight:** 280 g (packed product).

### Power supply groups

**FPU24025M**  
GIALI0101300



**DC24V/2.5 A supervised power supply group**

**Power supply:** AC230V. **Maximum current draw from battery:** 17 mA. **Output voltage:** 27,1 Vdc nominal (adjustment from 21,0 Vdc to 28,8 Vdc). **Supplied current:** 2.5 A maximum. **Battery:** 2 supervised batteries (from 7 to 20 Ah). **Outputs:** 2, fuse-protected. **Indications:** mains loss, faulty power supply or battery charger, battery circuit open or short-circuited, low battery, fault of a device wired to its input. **Working temperature:** -5 / +55 °C. **Protection class:** IP42. **Dimensions:** W 395 × H 356 × D 96 mm. **Weight:** 4.90 kg (without batteries). **Certifications:** CPR 305/2011 EN54-4, EN54-13.

**FPU24055L**  
GIALI0100800



**DC24V/5.5 A supervised power supply group**

**Power supply:** AC230V. **Maximum current draw from battery:** 24 mA. **Output voltage:** 27,1 Vdc nominal (adjustment from 21,0 Vdc to 28,8 Vdc). **Supplied current:** 5.5 A max. **Battery:** 2 supervised batteries (from 17 to 45 Ah). **Outputs:** 2, fuse-protected. **Indications:** mains loss, faulty power supply or battery charger, battery circuit open or short-circuited, low battery, fault of a device wired to its input. **Working temperature:** -5 / +55 °C. **Protection class:** IP42. **Dimensions:** W 455 × H 356 × D 187 mm. **Weight:** 7.60 kg (without batteries). **Certifications:** CPR 305/2011 EN54-4, EN54-13.

### Cables

**C72HEN**  
CFCSA0100200



Cable to wire HEKLA and TACÓRA control panels to auxiliary power supply groups to increase system autonomy

**Length:** 2 m. **Certifications:** CPR 305/2011 EN54-13.

## Batteries

**B1.212G**  
BTBAT0100100  
**e-Vision**



**1.2 Ah / 12 V AGM e-Vision battery**  
**Dimensions:** W 97 × H 43 × D 51 mm. **Weight:** 180 g (packed product).

**B2.212G**  
BTBAT0100600  
**e-Vision**



**2.2 Ah / 12 V AGM e-Vision battery**  
**Dimensions:** W 177 × H 62 × D 35 mm. **Weight:** 900 g (packed product).

**B712G**  
BTBAT0100200  
**e-Vision**



**7 Ah / 12 V AGM e-Vision battery**  
**Dimensions:** W 151 × H 94 × D 65 mm. **Weight:** 2.12 kg (packed product).

**B1212G**  
BTBAT0101400  
**e-Vision**



**12Ah/12V AGM e-Vision battery**  
**Dimensions:** W 151 × H 101 × D 98 mm. **Weight:** 3.60 kg (packed product).

**B1812G**  
BTBAT0100300  
**e-Vision**



**18 Ah / 12 V AGM e-Vision battery**  
**Dimensions:** W 181 × H 167 × D 77 mm. **Weight:** 5.10 kg (packed product).

**B2612I**  
BTBAT0002800



**26 Ah / 12 V battery**  
**Dimensions:** W 175 × H 166 × D 125 mm.

**B40/12**  
BTBAT0000700



**40Ah / 12V battery**  
**Dimensions:** W 197 × H 170 × D 165 mm. **Weight:** 12.70 kg (packed product).

**UPON REQUEST**

## Gas detection

### Conventional control panels

**TA1004**  
ICCTA0103700  
ICCTA0103701  
CPR  
305/2011



#### 4-conventional-zone control panel

**Conventional zones:** 4 zones. **Dedicated conventional call point zones:** 1. **Outputs:** 1 relay output for fault; 1 relay output for pre-alarm; 2 auxiliary relay outputs; 1 supervised alarm output. **User interface:** Colour graphic display, notification LEDs, buttons. **Extinguishing module:** EXTING module (optional). **Built-in interfaces:** 1 MINI-DIN for configuration via software; 1 × RS-485 line for the connection of 2 TAREPEATER repeat panels (max). **Supervision software:** GLOBALPRO. **Centralization software:** e-Connect. **LAN connection:** MDLAN optional module for Ethernet connection, e-Connect platform interfacing and integration with GLOBALPRO supervision software. **GSM/LTE connection:** MDGSME / MD4GE module (optional) to send control panel alarm and status SMS messages and for e-Connect platform interfacing. **Protection class:** IP30. **Dimensions:** W 320 × H 304 × D 83 mm. **Weight:** 4.00 kg (packed product). **Battery:** 2 × DC12V / 7Ah batteries (not included). **Power supply:** AC230V - 50/60Hz, DC29V / 2.6 A max power supply unit (supplied). **Consumption at power voltage - Idle mode:** 40 mA. **Certifications:** CPR 305/2011 EN54-2 and EN54-4, EN54-13, EN54-21 (with MDGSME optional GSM module) and EN12094-1 (with EXTING optional extinguishing module).

**TA1002**  
ICCTA0103600  
ICCTA0103601  
CPR  
305/2011



#### 2-conventional-zone control panel

**Conventional zones:** 2 zones. **Dedicated conventional call point zones:** 1. **Outputs:** 1 relay output for fault; 1 relay output for pre-alarm; 2 auxiliary relay outputs; 1 supervised alarm output. **User interface:** Colour graphic display, notification LEDs, buttons. **Extinguishing module:** EXTING module (optional). **Built-in interfaces:** 1 MINI-DIN for configuration via software; 1 × RS-485 line for the connection of 2 TAREPEATER repeat panels (max). **Supervision software:** GLOBALPRO. **Centralization software:** e-Connect. **LAN connection:** MDLAN optional module for Ethernet connection, e-Connect platform interfacing and integration with GLOBALPRO supervision software. **GSM/LTE connection:** MDGSME / MD4GE module (optional) to send control panel alarm and status SMS messages and for e-Connect platform interfacing. **Protection class:** IP30. **Dimensions:** W 320 × H 304 × D 83 mm. **Battery:** 2 × DC12V / 7Ah batteries (not included). **Power supply:** AC230V - 50/60Hz, DC29V / 2.6 A max power supply unit (supplied). **Consumption at power voltage - Idle mode:** 30 mA. **Certifications:** CPR 305/2011 EN54-2 and EN54-4, EN54-13, EN54-21 (with MDGSME optional GSM module) and EN12094-1 (with EXTING optional extinguishing module).

### Wired gas detectors for residential use

**RCCH4**  
RCRRGMP00100



#### Electrochemical cell METHANE gas detector

**Detection type:** gas concentration 10% LEL (lower explosive limit). **Outputs:** relay output and self control circuit. **Indications:** LED indicators for power supply, fault/ alarm and internal buzzer. **Sound pressure:** 96 dB at 1 m. **Dimensions:** W 150 × H 90 × D 52 mm. **Weight:** 400 g (packed product). **Protection class:** IP42. **Current draw:** at AC230V: 15 mA (idle), 13,5 mA (in alarm); at DC12V: 100 mA (idle), 80 mA (in alarm). **Power supply:** AC230V or DC12V.

**RCCO**  
RCRRGMP00300



#### Electrochemical cell CO gas (Carbon Monoxide) detector

**Detection type:** gas concentration 10% LEL (lower explosive limit). **Outputs:** relay output and self control circuit. **Indications:** LED indicators for power supply, fault/ alarm and internal buzzer. **Sound pressure:** 96 dB at 1 m. **Dimensions:** W 150 × H 90 × D 52 mm. **Weight:** 400 g (packed product). **Current draw:** at AC230V: 15 mA (idle), 13,5 mA (in alarm); at DC12V: 100 mA (idle), 80 mA (in alarm). **Protection class:** IP42. **Power supply:** AC230V or DC12V.

**RCGPL**  
RCRRGMP00200



#### Electrochemical cell LPG gas detector

**Detection type:** gas concentration 10% LEL (lower explosive limit). **Outputs:** relay output and self control circuit. **Indications:** LED indicators for power supply, fault/ alarm and internal buzzer. **Sound pressure:** 96 dB at 1 m. **Dimensions:** W 150 × H 90 × D 52 mm. **Weight:** 400 g (packed product). **Current draw:** at AC230V: 15 mA (idle), 13,5 mA (in alarm); at DC12V: 100 mA (idle), 80 mA (in alarm). **Protection class:** IP42. **Power supply:** AC230V or DC12V.

## Catalytic gas detectors

**SE503KM**  
G1RGI0000100



UPON REQUEST

**Recessed mount METHANE gas detector with catalytic sensor**

**Alarm thresholds:** 10% LEL alarm threshold. **Indications:** Buzzer and relay output. **Protection class:** IP40. **Installation:** Flush mount on 503 white colour boxes, compatible with AVE, BTICINO, and VIMAR frames. **Weight:** 235 g (packed product). **Current draw:** 4.5 VA. **Power supply:** AC230V. **Standards:** CEI-UNI/CIG 70028.

**SE503KG**  
G1RGI0000200



UPON REQUEST

**Recessed mount LPG gas detector with catalytic sensor**

**Alarm thresholds:** 10% LEL alarm threshold. **Indications:** Buzzer and relay output. **Protection class:** IP40. **Installation:** Flush mount on 503 white colour boxes, compatible with AVE, BTICINO, and VIMAR frames. **Weight:** 235 g (packed product). **Current draw:** 4.5 VA. **Power supply:** AC230V. **Standards:** CEI-UNI/CIG 70028.

**SE230KM**  
G1RGV0000100



UPON REQUEST

**METHANE gas detector with catalytic sensor**

**Alarm thresholds:** 10% LEL alarm threshold. **Indications:** Buzzer and relay output. **Functions:** Electronic self-diagnosis for malfunctioning detection. **Protection class:** IP42. **Dimensions:** W 140 × H 80 × D 55 mm. **Weight:** 370 g (packed product). **Current draw:** 4 VA. **Power supply:** AC230V - DC12V. **Standards:** IMQ-CIG homologation.

**SE230KG**  
G1RGV0000200



UPON REQUEST

**LPG gas detector with catalytic sensor**

**Alarm thresholds:** 10% LEL alarm threshold. **Indications:** Buzzer and relay output. **Functions:** Electronic self-diagnosis for malfunctioning detection. **Protection class:** IP42. **Dimensions:** W 140 × H 80 × D 55 mm. **Weight:** 370 g (packed product). **Current draw:** 4 VA. **Power supply:** AC230V - DC12V. **Standards:** IMQ-CIG homologation.

## Industrial gas detectors

**SE138KM**  
G2RCA0000100



UPON REQUEST

**METHANE gas detector with CATALYTIC sensor**

**Housing:** Anti-deflagrant housing with CESI 03 ATEX 323 certification. **Intervention threshold:** 0-20% LEL. **Outputs:** 3 alarm relay outputs (threshold 1, 2 and 3), 1 relay output for fault, OUT 4-20mA. **Sensor replaceable cartridge:** Mod. ZSK01/EX, ZSK02/EX. **Dimensions:** W 190 × H 105 × D 83 mm. **Weight:** 3400 g (packed product). **Current draw:** 3 W at DC12V, 3 W at DC24V. **Power supply:** 12-24 Vdc.

**SE138PM**  
G2RCA0000700



UPON REQUEST

**METHANE gas detector with PELLISTOR sensor**

**Housing:** Anti-deflagrant housing with CESI 03 ATEX 323 certification. **Intervention threshold:** 0-100% LEL. **Outputs:** 3 alarm relay outputs (threshold 1, 2 and 3), 1 relay output for fault, OUT 4-20mA. **Sensor replaceable cartridge:** Mod. ZSP05/EX. **Dimensions:** W 190 × H 105 × D 83 mm. **Weight:** 3400 g (packed product). **Current draw:** 2 W at DC12V, 2 W at DC24V. **Power supply:** 12-24 Vdc.

**SE138KG**  
G2RCA0000200



UPON REQUEST

**LPG gas detector with CATALYTIC sensor**

**Housing:** Anti-deflagrant housing with CESI 03 ATEX 323 certification. **Intervention threshold:** 0-20% LEL. **Outputs:** 3 alarm relay outputs (threshold 1, 2 and 3), 1 relay output for fault, OUT 4-20mA. **Sensor replaceable cartridge:** Mod. ZSK01/EX, ZSK02/EX. **Dimensions:** W 190 × H 105 × D 83 mm. **Weight:** 3400 g (packed product). **Current draw:** 3 W at DC12V, 3 W at DC24V. **Power supply:** 12-24 Vdc.

**SE138PG**  
G2RCA0000500



UPON REQUEST

**LPG gas detector with PELLISTOR sensor**

**Housing:** Anti-deflagrant housing with CESI 03 ATEX 323 certification. **Intervention threshold:** 0-20% LEL. **Outputs:** 3 alarm relay outputs (threshold 1, 2 and 3), 1 relay output for fault, OUT 4-20mA. **Sensor replaceable cartridge:** Mod. ZSP05/EX. **Dimensions:** W 190 × H 105 × D 83 mm. **Weight:** 3400 g (packed product). **Current draw:** 3 W at DC12V, 3 W at DC24V. **Power supply:** 12-24 Vdc.

**SE138KI**  
G2RCA0000300



UPON REQUEST

**HYDROGEN detector with CATALYTIC sensor**

**Housing:** Anti-deflagrant housing with CESI 03 ATEX 323 certification. **Intervention threshold:** 0-20% LEL. **Outputs:** 3 alarm relay outputs (threshold 1, 2 and 3), 1 relay output for fault, OUT 4-20mA. **Sensor replaceable cartridge:** Mod. ZSK01/EX, ZSK02/EX. **Dimensions:** W 190 × H 105 × D 83 mm. **Weight:** 3400 g (packed product). **Current draw:** 3 W at DC12V, 3 W at DC24V. **Power supply:** 12-24 Vdc.

**SE138KB**  
G2RCA0000400



UPON REQUEST

**Petrol vapour detector with CATALYTIC sensor**

**Housing:** Anti-deflagrant housing with CESI 03 ATEX 323 certification. **Intervention threshold:** 0-20% LEL. **Outputs:** 3 alarm relay outputs (threshold 1, 2 and 3), 1 relay output for fault, OUT 4-20mA. **Sensor replaceable cartridge:** Mod. ZSK04/EX. **Dimensions:** W 190 × H 105 × D 83 mm. **Weight:** 3400 g (packed product). **Current draw:** 3 W at DC12V, 3 W at DC24V. **Power supply:** 12-24 Vdc.

**SE138PX**  
G2RCA0000600



UPON REQUEST

**Various gas detector with PELLISTOR sensor**

**Housing:** Anti-deflagrant housing with CESI 03 ATEX 323 certification. **Intervention threshold:** 0-100% LEL. **Outputs:** 3 alarm relay outputs (threshold 1, 2 and 3), 1 relay output for fault, OUT 4-20mA. **Sensor replaceable cartridge:** Mod. ZSP05/EX. **Dimensions:** W 190 × H 105 × D 83 mm. **Weight:** 3400 g (packed product). **Current draw:** 2 W at DC12V, 2 W at DC24V. **Power supply:** 12-24 Vdc.

**SE237KM**  
G2RCP0001400



**METHANE gas detector with CATALYTIC sensor**

**Housing:** IP65 protected case. **Intervention threshold:** 0-20% LEL. **Outputs:** 3 alarm relay outputs (threshold 1, 2 and 3), 1 relay output for fault, OUT 4-20mA. **Sensor replaceable cartridge:** Mod. ZSK01/IP, ZSK02/IP. **Dimensions:** W 195 × H 105 × D 85 mm. **Weight:** 450 g (packed product). **Current draw:** 3 W at DC12V, 3 W at DC24V. **Power supply:** 12-24 Vdc.

**SE237PM**  
G2RCP0001800



UPON REQUEST

**METHANE gas detector with PELLISTOR sensor**

**Housing:** IP65 protected case. **Intervention threshold:** 0-100% LEL. **Outputs:** 3 alarm relay outputs (threshold 1, 2 and 3), 1 relay output for fault, OUT 4-20mA. **Sensor replaceable cartridge:** Mod. ZSP/IP. **Dimensions:** W 195 × H 105 × D 85 mm. **Weight:** 450 g (packed product). **Current draw:** 3 W at DC12V, 3 W at DC24V. **Power supply:** 12-24 Vdc.

**SE237KG**  
G2RCP0001500



UPON REQUEST

**LPG gas detector with CATALYTIC sensor**

**Housing:** IP65 protected case. **Intervention threshold:** 0-20% LEL. **Outputs:** 3 alarm relay outputs (threshold 1, 2 and 3), 1 relay output for fault, OUT 4-20mA. **Sensor replaceable cartridge:** Mod. ZSK01/IP, ZSK02/IP. **Dimensions:** W 195 × H 105 × D 85 mm. **Weight:** 450 g (packed product). **Current draw:** 3 W at DC12V, 3 W at DC24V. **Power supply:** 12-24 Vdc.

**SE237PG**  
G2RCP0001900



UPON REQUEST

**LPG gas detector with PELLISTOR sensor**

**Housing:** IP65 protected case. **Intervention threshold:** 0-20% LEL. **Outputs:** 3 alarm relay outputs (threshold 1, 2 and 3), 1 relay output for fault, OUT 4-20mA. **Sensor replaceable cartridge:** Mod. ZSP/IP. **Dimensions:** W 195 × H 105 × D 85 mm. **Weight:** 450 g (packed product). **Current draw:** 3 W at DC12V, 3 W at DC24V. **Power supply:** 12-24 Vdc.

**SE237KI**  
G2RCP0001300



UPON REQUEST

**HYDROGEN detector with CATALYTIC sensor**

**Housing:** IP65 protected case. **Intervention threshold:** 0-20% LEL. **Outputs:** 3 alarm relay outputs (threshold 1, 2 and 3), 1 relay output for fault, OUT 4-20mA. **Sensor replaceable cartridge:** Mod. ZSK01/IP, ZSK02/IP. **Dimensions:** W 195 × H 105 × D 85 mm. **Weight:** 450 g (packed product). **Current draw:** 3 W at DC12V, 3 W at DC24V. **Power supply:** 12-24 Vdc.

**SE237KB**  
G2RCP0001700



UPON REQUEST

**Petrol vapour detector with CATALYTIC sensor**

**Housing:** IP65 protected case. **Intervention threshold:** 0-20% LEL. **Outputs:** 3 alarm relay outputs (threshold 1, 2 and 3), 1 relay output for fault, OUT 4-20mA. **Sensor replaceable cartridge:** Mod. ZSKB/IP. **Dimensions:** W 195 × H 105 × D 85 mm. **Weight:** 450 g (packed product). **Current draw:** 3 W at DC12V, 3 W at DC24V. **Power supply:** 12-24 Vdc.

**SE237PX**  
G2RCP0001600



UPON REQUEST

**Various gas detector with PELLISTOR sensor**

**Housing:** IP65 protected case. **Intervention threshold:** 0-100% LEL. **Outputs:** 3 alarm relay outputs (threshold 1, 2 and 3), 1 relay output for fault, OUT 4-20mA. **Sensor replaceable cartridge:** Mod. ZSP/IP. **Dimensions:** W 195 × H 105 × D 85 mm. **Weight:** 450 g (packed product). **Current draw:** 2 W at DC12V, 2 W at DC24V. **Power supply:** 12-24 Vdc.

**SE237EC-S**  
G2RCP0002100



UPON REQUEST

**CARBON MONOXIDE (CO) detector with electrochemical cell sensor**

**Housing:** IP65 protected case. **Intervention threshold:** 50-100 ppm. **Outputs:** 3 alarm relay outputs (threshold 1, 2 and 3), 1 relay output for fault, OUT 4-20mA. **Sensor replaceable cartridge:** Mod. ZSEC/IP. **Dimensions:** W 195 × H 105 × D 85 mm. **Weight:** 450 g (packed product). **Current draw:** 2 W at DC12V, 2 W at DC24V. **Power supply:** 12-24 Vdc.

**SE237EO**  
G2RCP0002000



UPON REQUEST

**OXYGEN detector with electrochemical cell sensor**

**Housing:** IP65 protected case. **Intervention threshold:** 19 - 18% oxygen. **Outputs:** 3 alarm relay outputs (threshold 1, 2 and 3), 1 relay output for fault, OUT 4-20mA. **Sensor replaceable cartridge:** Mod. ZSEO/IP. **Dimensions:** W 195 × H 105 × D 85 mm. **Weight:** 450 g (packed product). **Current draw:** 2 W at DC12V, 2 W at DC24V. **Power supply:** 12-24 Vdc.

**RGRCO**  
G2RCP0000900



**Industrial CARBON MONOXIDE (CO) detector with electrochemical cell sensor**

**Outputs:** 2 Relay outputs (5 A at AC230V) and 1 failure relay output (1A at DC24V). **Alarm thresholds:** one 50ppm pre-alarm threshold, two 100ppm alarm thresholds. **Measurement range:** 0-500 ppm. **Dimensions:** W 80 × H 172 × D 68 mm. **Current draw:** DC12V: 22 mA idle, 44 mA alarm threshold 1 + 2; DC24V: 25 mA idle, 47 mA alarm threshold 1 + 2. **Power supply:** 12 - 24 Vdc.

## Analogue gas detection control units

**CE408P**  
G3CE00000300



UPON REQUEST

**Gas detection control unit capable of managing up to 4 zones for 4- 20mA detectors, dedicated zone for NO contacts and 5 relay outputs**

**Compatibility:** SE and TS series detectors. **Zones:** Expandable to 8 zones with ES404 optional board. **Outputs:** Expandable to 9 relay outputs with ES414 optional board. **Indications:** Alerts can be freely programmed on 3 levels and associated to the output relays. **Indications:** Backlit LCD; LED for alarm, mains status and fault. **User interface:** Keypad for password-protected setup and monitoring, built-in buzzer. **Dimensions:** W 285 × H 230 × D 140 mm. **Current draw:** 1 A at 230 V. **Power supply:** 230V. **Connectable battery:** Support of 2 × DC12V / 1.3 Ah batteries.

**CE700P**  
G3CE00000200



UPON REQUEST

**Gas detection control unit designed to manage up to 23 × CE380UR concentrators for a total of 184 inputs**

**Wirings:** On a single RS-485 serial line (max 1 km long). **Indications:** 40 × 2 character display, keypad for management and programming. **Zones:** 184 freely programmable. **Dimensions:** W 365 × H 105 × D 305 mm. **Weight:** 2.50 kg. **Current draw:** 10 VA at AC230V. **Power supply:** AC230V. **Connectable battery:** Support of 1 × DC12V / 7Ah battery.

## Expansion boards

**ES404**  
G3ACC0000400

UPON REQUEST

**Expansion board to add 4 zones for 4-20mA detectors to CE408P gas control units**

**ES414**  
G3ACC0000500

UPON REQUEST

**Expansion board to add 4 relay outputs to CE408P gas control units**

**CE380UR**  
G3ACC0000200



UPON REQUEST

**Expansion board to add 8 zones for 4-20mA detectors to the CE700P gas detection control unit. B2.212G battery required (not included)**

**ES380UR**  
G3ACC0000300

UPON REQUEST

**4-relay-output board to be mounted on CE380UR concentrators**

## Industrial gas detectors

**TS293KM**  
G4RCA0000100



UPON REQUEST

### METHANE gas detector with CATALYTIC sensor

**Housing:** Anti-deflagrant housing with CESI 03 ATEX 323 certification. **Intervention threshold:** 0-20% LEL. **Outputs:** OUT 4-20 mA. **Sensor replaceable cartridge:** Mod. ZSK01/EX, ZSK02/EX. **Dimensions:** W 190 × H 105 × D 83 mm. **Weight:** 3400 g (packed product). **Current draw:** 3 W at DC12V, 3 W at DC24V. **Power supply:** 12 - 24 Vdc.

**TS293KG**  
G4RCA0000200



UPON REQUEST

### LPG gas detector with CATALYTIC sensor

**Housing:** Anti-deflagrant housing with CESI 03 ATEX 323 certification. **Intervention threshold:** 0-20% LEL. **Outputs:** OUT 4-20 mA. **Sensor replaceable cartridge:** Mod. ZSK01/EX, ZSK02/EX. **Dimensions:** W 190 × H 105 × D 83 mm. **Weight:** 3400 g (packed product). **Current draw:** 3 W at DC12V, 3 W at DC24V. **Power supply:** 12 - 24 Vdc.

**TS293KI**  
G4RCA0000300



UPON REQUEST

### HYDROGEN detector with CATALYTIC sensor

**Housing:** Anti-deflagrant housing with CESI 03 ATEX 323 certification. **Intervention threshold:** 0-20% LEL. **Outputs:** OUT 4-20 mA. **Sensor replaceable cartridge:** Mod. ZSK01/EX, ZSK02/EX. **Dimensions:** W 190 × H 105 × D 83 mm. **Weight:** 3400 g (packed product). **Current draw:** 3 W at DC12V, 3 W at DC24V. **Power supply:** 12 - 24 Vdc.

**TS293KB**  
G4RCA0000400



UPON REQUEST

### Petrol vapour detector with CATALYTIC sensor

**Housing:** Anti-deflagrant housing with CESI 03 ATEX 323 certification. **Intervention threshold:** 0-20% LEL. **Outputs:** OUT 4-20 mA. **Sensor replaceable cartridge:** Mod. ZSK04/EX. **Dimensions:** W 190 × H 105 × D 83 mm. **Weight:** 3400 g (packed product). **Current draw:** 3 W at DC12V, 3 W at DC24V. **Power supply:** 12 - 24 Vdc.

**TS293PX**  
G4RCA0000500



UPON REQUEST

### Various gas detector with PELLISTOR sensor

**Housing:** Anti-deflagrant housing with CESI 03 ATEX 323 certification. **Intervention threshold:** 0-100% LEL. **Outputs:** OUT 4-20 mA. **Sensor replaceable cartridge:** Mod. ZSP05/EX. **Dimensions:** W 190 × H 105 × D 83 mm. **Weight:** 3400 g (packed product). **Current draw:** 3 W at DC12V, 3 W at DC24V. **Power supply:** 12 - 24 Vdc.

**TS282KM**  
G4RCP0001400



UPON REQUEST

### METHANE gas detector with CATALYTIC sensor

**Housing:** IP65 protected case. **Intervention threshold:** 0-20% LEL. **Outputs:** OUT 4-20 mA. **Sensor replaceable cartridge:** Mod. ZSK01/IP, ZSK02/IP. **Dimensions:** W 195 × H 105 × D 85 mm. **Weight:** 400 g (packed product). **Current draw:** 3 W at DC12V, 3 W at DC24V. **Power supply:** 12 - 24 Vdc.

**TS282KG**  
G4RCP0001600



UPON REQUEST

### LPG gas detector with CATALYTIC sensor

**Housing:** IP65 protected case. **Intervention threshold:** 0-20% LEL. **Outputs:** OUT 4-20 mA. **Sensor replaceable cartridge:** Mod. ZSK01/IP, ZSK02/IP. **Dimensions:** W 195 × H 105 × D 85 mm. **Weight:** 400 g (packed product). **Current draw:** 3 W at DC12V, 3 W at DC24V. **Power supply:** 12 - 24 Vdc.

**TS282KI**  
G4RCP0001800



UPON REQUEST

### HYDROGEN detector with CATALYTIC sensor

**Housing:** IP65 protected case. **Intervention threshold:** 0-20% LEL. **Outputs:** OUT 4-20 mA. **Sensor replaceable cartridge:** Mod. ZSK01/IP, ZSK02/IP. **Dimensions:** W 195 × H 105 × D 85 mm. **Weight:** 400 g (packed product). **Current draw:** 3 W at DC12V, 3 W at DC24V. **Power supply:** 12 - 24 Vdc.

**TS282KB**  
G4RCP0001500



UPON REQUEST

### Petrol vapour detector with CATALYTIC sensor

**Housing:** IP65 protected case. **Intervention threshold:** 0-20% LEL. **Outputs:** OUT 4-20 mA. **Sensor replaceable cartridge:** Mod. ZSKB/IP. **Dimensions:** W 195 × H 105 × D 85 mm. **Weight:** 400 g (packed product). **Current draw:** 3 W at DC12V, 3 W at DC24V. **Power supply:** 12 - 24 Vdc.

**TS282PX**  
G4RCP0001700



UPON REQUEST

### Various gas detector with PELLISTOR sensor

**Housing:** IP65 protected case. **Intervention threshold:** 0-100% LEL. **Outputs:** OUT 4-20 mA. **Sensor replaceable cartridge:** Mod. ZSP/IP. **Dimensions:** W 195 × H 105 × D 85 mm. **Weight:** 400 g (packed product). **Current draw:** 3 W at DC12V, 3 W at DC24V. **Power supply:** 12 - 24 Vdc.

**TS282EC-S**  
G4RCP0001200



UPON REQUEST

**CARBON MONOXIDE (CO) detector with electrochemical cell sensor**

**Housing:** IP65 protected case. **Intervention threshold:** 0-300 ppm. **Outputs:** OUT 4-20 mA. **Sensor replaceable cartridge:** Mod. ZSEC/IP. **Dimensions:** W 195 × H 105 × D 85 mm. **Weight:** 400 g (packed product). **Current draw:** 2 W at DC12V, 2 W at DC24V. **Power supply:** 12 - 24 Vdc.

**TS282EO**  
G4RCP0001300



UPON REQUEST

**OXYGEN detector with electrochemical cell sensor**

**Housing:** IP65 protected case. **Intervention threshold:** 0-25% oxygen. **Outputs:** OUT 4-20 mA. **Sensor replaceable cartridge:** Mod. ZSEO/IP. **Dimensions:** W 195 × H 105 × D 85 mm. **Weight:** 400 g (packed product). **Current draw:** 2 W at DC12V, 2 W at DC24V. **Power supply:** 12 - 24 Vdc.

**RGLOOPCO**  
RIRAS0100100



**Industrial CARBON MONOXIDE (CO) detector with electrochemical cell sensor**

**Outputs:** 4-20 mA interface and output for direct loop connection of FX series analogue-addressable units. **Alarm thresholds:** one 50ppm pre-alarm threshold, two 100ppm alarm thresholds. **Measurement range:** 0-500 ppm. **Dimensions:** W 80 × H 172 × D 68 mm. **Weight:** 375 g (packed product). **Current draw:** DC12V: 18 mA idle, 85 mA alarm thresholds 1 + 2; DC24V: 20 mA idle, 105 mA alarm thresholds 1 + 2. **Power supply:** 12 - 24 Vdc.

**Detectable gas table for the calibration of conventional detectors SE237PX - SE138PX and analogue detectors TS282PX - TS293PX**

Ethyl acetate	Ethylene
Acetone	Methanol (methyl alcohol)
Isopropyl alcohol (Propanol)	Methyl ethyl ketone (Butanone)
Ammonia	Octane
Heptane	Pentane
Hexane	Propane
Ethanol (ethyl alcohol)	Toluene

For the above mentioned detectors, when placing the order it is necessary to specify which gas should be detected. For more types of gas not included in this list, please contact the Systems Design Department at the following email address: [progettazione.sistemi@elmospa.com](mailto:progettazione.sistemi@elmospa.com)

## Calibration kit

**TC011**  
AGKTG0000100

UPON REQUEST

Calibration kit for industrial detectors

**TC012**  
AGKTG0000200

UPON REQUEST

Calibration kit for domestic detectors

**BO200**  
AGBTG0000100

UPON REQUEST

CNG cylinder (CH<sub>4</sub>) for calibration of hydrogen, methane, LPG, petrol vapors sensors

**BO210**  
AGBTG0000300

UPON REQUEST

CNG cylinder (CO) for the calibration of CO sensors

## Cartridges

**ZSK01/EX**  
AGRCS0001100

UPON REQUEST

Spare cartridge for SE138KM, SE138KG, SE138KI, TS293KM, TS293KG, TS293KI

**ZSK02/EX**  
AGRCS0000400

UPON REQUEST

Spare cartridge for SE138KM, SE138KG, TS293KM, TS293KG, TS293KI

**ZSK04/EX**  
AGRCS0000600

UPON REQUEST

Spare cartridge for SE138KB, TS293KB

**ZSP05/EX**  
AGRCS0000700

UPON REQUEST

Spare cartridge for SE138PM, SE138PG, SE138PX, TS293PX

**ZSP02/EX**  
AGRCS0000800

UPON REQUEST

Spare cartridge for SE138PX

**ZSK01/IP**  
AGRCS0001200

UPON REQUEST

Spare cartridge for SE237KM, SE237KG, TS282KM, TS282KG, SE237KI, TS282KI

## Gas detection

<b>ZSK02/IP</b> AGRCS0001300	<b>UPON REQUEST</b>	Spare cartridge for SE237KM, SE237KG, SE237KI, TS282KM, TS282KG, TS282KI
<b>ZSP/IP</b> AGRCS0001400	<b>UPON REQUEST</b>	Spare cartridge for SE237PM, SE237PG, SE237PX, TS282PX
<b>ZSKB/IP</b> AGRCS0001500	<b>UPON REQUEST</b>	Spare cartridge for SE237KB, TS282KB
<b>ZSEC/IP</b> AGRCS0001600	<b>UPON REQUEST</b>	Spare cartridge for SE237EC-S, TS282EC-S
<b>ZSEO/IP</b> AGRCS0001700	<b>UPON REQUEST</b>	Spare cartridge for SE237EO, TS282EO

New "replaceable detector heads" have been introduced.

In case of detectors to be re-calibrated or detector heads to be replaced during routine or extraordinary maintenance operations, customers should order only the replacement cartridge corresponding to its own detector and replace it without sending the complete detector for recalibration.

Important: the detectors compatible with the replacing procedure are those with F1 and F2 keys on the cover and equipped with the replacing head code on the label.

Contact the EL.MO. headquarters for cartridges of previous series SE137 and SE220.

# Supervision software

## GlobalPro



### Supervision software for intrusion detection, fire detection and CCTV

Full management of all the activities from local and centralized workstations of all EL.MO. professional systems:

- Intrusion detection (TITANIA, ETR and PROXIMA control units via CEI-ABI protocol)
  - Fire detection systems based on FX and Tacóra control units (for control units of Tacóra series, GLOBALPRO only allows to monitor the status of the connected devices, like in BROWSE-RONE. It is not possible to send commands to these devices or to distinguish between their fault and alarm status)
  - CCTV (DVR and NVR e-Vision® PREMIUM, PRO and SMART series). It also allows the management of video-analysis systems based on Mirasys software
- GLOBALPRO requires a free training course at the EL.MO. headquarter; upon specific request, the course is feasible at the customer's premises (upon cost estimate). System assistance services (definition of the architecture structure) and technical assistance (system configuration and commissioning) can be requested upon cost estimate. Each GLOBALPRO (GPRO1, GPRO2, etc) License includes software maintenance insurance. It has 12-month validity starting from the date the License activation key is issued.

#### GPRO4

GMPRO0100400

GLOBALPRO supervision software license, management up to 100 alarm points of which 4 video points (up to 4 cameras), 1 site, 1 client. Not expandable

#### GPRO3

GMPRO0100300

GLOBALPRO supervision software license, management up to 500 alarm points of which 24 video points (up to 24 cameras), 1 site, unlimited clients

#### GPRO2

GMPRO0100200

GLOBALPRO supervision software license, management up to 1,000 alarm points of which 64 video points (up to 64 cameras), 1 site, unlimited clients

#### GPRO1

GMPRO0100100

GLOBALPRO supervision software license, unlimited management for intrusion detection and fire detection alarm points and cameras, 1 site, unlimited client

#### GPROLS1

GMPRO0100500

GLOBALPRO supervision software license for 1 additional site (GPRO1, GPRO2 and GPRO3 only)

#### GPROLP1

GMPRO0100600

GLOBALPRO supervision software license for 100 additional alarm points of which 10 video points (for GPRO2 and GPRO3)

#### GPROINTRUSION

GMPRO0100700

GLOBALPRO supervision software license only for intrusion detection systems that are based on ETR, PROXIMA and TITANIA control units. It manages up to 512 intrusion detection alarm points, 1 site, 1 client. Not expandable

#### GPROFIRE

GMPRO0100800

GLOBALPRO supervision software license for fire detection systems that are based on FX and TACÓRA control units. It manages up to 512 fire alarm points, 1 site, 1 client. Not expandable

#### GPRONTF

GMPRO0101200

GLOBALPRO supervision additional software license for management of fire detection control units that support fire CEI-ABI protocol for 1 site

#### GPROTCON24D

GMPRO0101300

GLOBALPRO supervision software license option to manage 1 ONVIF camera directly connected (0-24 cameras range)

#### GPROTCON64D

GMPRO0101400

GLOBALPRO supervision software license option to manage 1 ONVIF camera directly connected (25-64 cameras range)

#### GPROTCONXD

GMPRO0101500

GLOBALPRO supervision software license option to manage 1 ONVIF camera directly connected (unlimited cameras)

#### GPROTCON24N

GMPRO0101600

GLOBALPRO supervision software license option to manage 1 ONVIF camera connected to a PRO/SMART DVR (0-24 cameras range)

#### GPROTCON64N

GMPRO0101700

GLOBALPRO supervision software license option to manage 1 ONVIF camera connected to a PRO/SMART DVR (25-64 cameras range)

**GPROTCONXN**  
GMPRO0101800

GLOBALPRO supervision software license option to manage 1 ONVIF camera connected to a PRO/SMART DVR (unlimited cameras)

## SMA licenses for GlobalPro

Insurance extension of further 12 months for software maintenance. The insurance must be purchased within the first 12 months of application usage (12 months starting from the issue date of the license activation key). It gives GLOBALPRO users access to the updates for:

- Performance improvements
- New features
- New product families support
- Adaptation to future versions of the operating systems of servers and workstations
- Bugs fixing

For additional SMA extensions to those listed below, contact EL.MO. headquarter.

**GPRO4SMA**  
GMPROSM00400

SMA for GPRO4

**GPRO3SMA**  
GMPROSM00300

SMA for GPRO3

**GPRO2SMA**  
GMPROSM00200

SMA for GPRO2

**GPRO1SMA**  
GMPROSM00100

SMA for GPRO1

**GPROLS1SMA**  
GMPROSM00500

SMA for GPROLS1

**GPROLP1SMA**  
GMPROSM00600

SMA for GPROLP1

**GPROINTRUSIONSMA**  
GMPROSM00700

SMA for GPROINTRUSION

**GPROFIRESMA**  
GMPROSM00800

SMA for GPROFIRE

**GPRONTFSMA**  
GMPROSM00900

SMA for GPRONTF

**GPROTCON24DSMA**  
GMPROSM01000

SMA for GPROTCON24D

**GPROTCON64DSMA**  
GMPROSM01100

SMA for GPROTCON64D

**GPROTCONXD SMA**  
GMPROSM01200

SMA for GPROTCONXD

**GPROTCON24NSMA**  
GMPROSM01300

SMA for GPROTCON24N

**GPROTCON64NSMA**  
GMPROSM01400

SMA for GPROTCON64N

**GPROTCONXNSMA**  
GMPROSM01500

SMA for GPROTCONXN

## GLOBALPRO software engineering services

**GPDWG**  
GMSWS0300100

Creation of a video map transforming existing DWG files into WMF (preferred) or other formats (not recommended), to be performed in our headquarters

<p><b>GPCM</b> GMSWS0300200</p>	<p>Loading video maps onto supervision software (travel expenses not included)</p>
<p><b>GPCP</b> GMSWS0300300</p>	<p>Loading and configuring a point onto supervision software (travel expenses not included)</p>
<p><b>GPMOTS</b> GMSWS0300400</p>	<p>Hourly service charge for system start up carried out by qualified personnel (travel expenses excluded)</p>
<p><b>GPMOSSW</b> GMSWS0300500</p>	<p>Hourly service charge for software specialist (travel expenses excluded)</p>
<p><b>GPMGTS</b> GMSWS0300600</p>	<p>Daily service (8 hours) charge for system start up carried out by qualified personnel (travel expenses excluded)</p>
<p><b>GPMGSSW</b> GMSWS0300700</p>	<p>Daily service (8 hours) charge for software specialist (travel expenses excluded)</p>

## Accessories for data transmission

<p><b>GM168</b> GMSWS0400100</p>		<p><b>16 in / 8 out generic LAN interface with CEI-ABI protocol. It allows to interface intrusion detection and fire detection control units, DVR and NVR of third parties or existing devices through GLOBALPRO via LAN network</b> <b>Protection class:</b> IP3X. <b>Max. power consumption:</b> 280 mA. <b>Dimensions:</b> W 205 × H 250 × D 68 mm.</p>
<p><b>URSCONV</b> SAACC0000700</p>		<p><b>USB RS-232/485/422 converter.</b> <b>Functions:</b> transmission speed from 921.6 to 300 kbps, transmission distance 1200 m (towards RS-485/422 at 9600 bps) or 5 m (towards USB or RS-232). <b>Zones:</b> USB. <b>Outputs:</b> choice between RS-232/485/422 serial lines.</p>
<p><b>CP8/SER2</b> CICSS0000100</p>		<p><b>Cable for direct control unit programming. Software application required (not included)</b> <b>Compatibility:</b> ET8, ET4, HS, HELIOS, NET, ETR G1 and G2, FX, TACÓRA (up to firmware version 5.0.0) control units. <b>Weight:</b> 120 g (packed product).</p>
<p><b>RSFO</b> DTCON0000600</p>		<p><b>RS232-422-485 serial bus / multi mode optical fiber converter. Point-to-point half or full duplex transmission</b> <b>Compatibility:</b> ETR control units. <b>Wavelength:</b> 850 nm. <b>Power supply:</b> 12 - 48 Vdc. <b>Max. power consumption:</b> 100 mA (at DC12V). <b>Dimensions:</b> W 67 × H 22 × D 100 mm. <b>Weight:</b> 140 g. <b>Certifications:</b> CE, TUV, UL.</p>

UPON REQUEST

## e-Connect system

e-Connect is a service for systems centralization, management and supervision that combines in a single cloud platform EL.MO intrusion and fire detection systems, home management systems and e-Vision® video surveillance systems.



Disponibile da browser internet su  
[connect.elmospa.com](http://connect.elmospa.com)  
oppure da app per smartphone e tablet



e-Connect makes it possible to control burglar alarm and fire detection systems status (home, office, holiday houses, etc.), receive notifications, manage systems through graphic maps, enable/disable devices (i.e. detectors), display images of video surveillance systems, and control home management systems such as irrigation and lighting systems.

EL.MO. has taken advantage of its 40 years experience and has created this platform for end-users, installers, distributors keeping its focus on to security. Its architecture features a solid Cloud Server structure that includes all control units on the network and uses the most advanced SSL communication protocols (combined with certifications issued by internationally recognised Certification Authorities).

With its multilevel structure, e-Connect meets the growing needs of autonomy of end-users and business opportunities of installers and distributors. Users can communicate with their intrusion detection systems via smartphone, tablet and PC, always and everywhere, monitoring system status, receiving notifications and enabling or disabling alarm devices, thanks to the user-friendly interface and intuitive icons. Installers can manage all the systems of their customers on a single platform, with the possibility to supervise and remotely assist all the systems, everywhere, offering them customized solutions or with remote assistance sessions.

With e-Connect service it is possible to manage via smartphones, tablets or PCs:

- EL.MO. intrusion detection systems based on VILLEGGIO, PREGIO, HERCOLA, PROXIMA, ETR G2, TITANIA and NET control units.
- EL.MO. fire alarm systems based on TACÓRA panels.
- e-Vision® video surveillance systems of PRO, PREMIUM, SMART and SMB lines.
- Domotic systems associated to EL.MO. units.

## Special detectors

### Aspirating smoke detection

#### Smoke detection systems

**ASD533-1**  
ASASD0100300



**Single-tube aspirating active smoke detection system. SSD31 sensor included**

**Detector type:** 1 × SSD-533 smoke detector (with 0.02%/m - 10%/m alarm threshold) included in the kit. **Maximum range in C class:** 200 m. **Setup:** Basic configuration with integrated interface or advanced configuration with ASDCONFIG software via USB. **Alarm levels:** 5 Alarm levels / Presignalling. **Functions:** Self-learning, night/day switching. **Protection class:** IP54. **Dimensions:** W 265 × H 397 × D 148 mm. **Weight:** 3255 g. **Housing:** ABS-Blend UL 94-V0 grey/anthracite housing. **Max. power consumption:** 210 mA. **Power supply:** 10.5 to 30 Vdc. **Certifications:** CPR 305/2011 EN54-13, EN54-20 class A, B and C.

**ASD531**  
ASASD0100600



**Single-tube aspirating active smoke detection system. Sensor included**

**Detector type:** 1 × SSD31 onboard smoke detector with 0.02 %/m - 10 %/m alarm threshold. **Maximum range in C class:** 75 m. **Setup:** Configuration using integrated dipswitch and rotary switch. **Alarm levels:** 4 Alarm levels / Presignalling. **Protection class:** IP54. **Dimensions:** W 195 × H 290 × D 140 mm. **Weight:** 1950 g. **Housing:** ABS-Blend UL 94-V0 grey/anthracite housing. **Max. power consumption:** 80 mA (without RIM36). **Power supply:** From 14 to 30 Vdc. **Certifications:** CPR 305/2011 EN54-13, EN54-20 class A, B and C.

UPON REQUEST

**ASD532KIT**  
ASASD0100700

CPR  
305/2011



**ASD 532 + 1 SSD 532-3 - Single-tube aspirating active smoke detection system with SSD532-3 sensor included**

**Detector type:** 1 × SSD532-3 smoke detector (with 0.02 %/m - 10 %/m alarm threshold) included in the kit. **Maximum range in C class:** 120 m. **Setup:** Basic configuration with integrated interface or advanced configuration with ASDCONFIG software via IP. **Alarm levels:** 5 Alarm levels / Presignalling. **Protection class:** IP54. **Dimensions:** W 195 × H 290 × D 140 mm. **Weight:** 1950 g. **Housing:** ABS-Blend UL 94-V0 grey/anthracite housing. **Max. power consumption:** 115 mA (without RIM36). **Power supply:** From 14 to 30 Vdc. **Certifications:** CPR 305/2011 EN54-13, EN54-20 class A, B and C.

**ASD5351KIT**  
ASASD0100800

CPR  
305/2011



**ASD 535-1 + 1 SSD 535-3 - Single-tube aspirating active smoke detection system with SSD535-3 sensor included**

**Detector type:** 1 × SSD-535-3 smoke detector (with 0.02%/m - 10 %/m alarm threshold) included as a separate element of the kit. **Maximum range in C class:** 300 m. **Setup:** Basic configuration with integrated interface or advanced configuration with ASDCONFIG software via USB. **Alarm levels:** 5 Alarm levels / Presignalling. **Functions:** Self-learning, night/day switching. **Protection class:** IP54. **Dimensions:** W 265 × H 397 × D 148 mm. **Weight:** 3850 g. **Housing:** ABS-Blend UL 94-V0 grey/anthracite housing. **Max. power consumption:** 390 mA. **Power supply:** 10.5 to 30 Vdc. **Certifications:** CPR 305/2011 EN54-13, EN54-20 class A, B and C.

**ASD5352KIT**  
ASASD0100900

CPR  
305/2011



**ASD 535-2 + 2 SSD 535-3 - Two-tube aspirating active smoke detection system with 2 SSD535-3 sensors included**

**Detector type:** 2 × SSD-535-3 smoke detectors (with 0.02 %/m - 10 %/m alarm threshold) included as a separate element of the kit. **Maximum range in C class:** 2 × 300 m. **Setup:** Basic configuration with integrated interface or advanced configuration with ASDCONFIG software via IP. **Alarm levels:** 5 Alarm levels / Presignalling. **Protection class:** IP54. **Dimensions:** W 195 × H 290 × D 140 mm. **Weight:** 1950 g. **Housing:** ABS-Blend UL 94-V0 grey/anthracite housing. **Max. power consumption:** 450 mA. **Power supply:** From 14 to 30 Vdc. **Certifications:** CPR 305/2011 EN54-13, EN54-20 class A, B and C.

#### Smoke detectors

**SSD31**  
ASASD0200400



UPON REQUEST

**Smoke detector for ASD531 systems**

**Alarm thresholds:** 0.02% / m - 10% / m. **Functions:** high-power LED, measuring chamber (LVSC) with an optimized aerodynamic structure, very high sensitivity and resistance against dust contamination. **Power supply:** DC5V from AMB. **Housing:** Grey housing. **Dimensions:** W 95 × H 116 × D 120 mm.

**SSD532-3**  
ASASD0200500



UPON REQUEST

**Smoke detector for ASD532 systems**

**Alarm thresholds:** 0.02% / m - 10% / m. **Functions:** high-power LED, measuring chamber (LVSC) with an optimized aerodynamic structure, very high sensitivity and resistance against dust contamination. **Power supply:** DC5V from AMB. **Housing:** Grey housing. **Dimensions:** W 95 × H 116 × D 120 mm.

**SSD535-3**  
ASASD0200200



UPON REQUEST

**Smoke detector for ASD535-1 and ASD535-2 systems**

**Alarm thresholds:** 0.02% / m - 10% / m. **Functions:** high-power LED, measuring chamber (LVSC) with an optimized aerodynamic structure, very high sensitivity and resistance against dust contamination. **Power supply:** DC5V from AMB. **Housing:** Grey housing. **Dimensions:** W 95 × H 136 × D 120 mm.

## Relay modules

**RIM35**  
ASASD0300100



UPON REQUEST

**5-relay module compatible with ASD535**

**Installation:** max 2 RIM35 can be installed in the ASD535 unit. **Relay contacts capacity:** DC50V / 1 A / 30 W. **Dimensions:** W 58 × H 95 × D 17 mm. **Weight:** 85 g. **Max. power consumption:** 15 mA. **Power supply:** (from AMB 35) DC5V.

**RIM36**  
ASASD0303400



UPON REQUEST

**5-relay module compatible with ASD531 and ASD532**

**Installation:** max 2 RIM36 can be installed in the ASD532 unit, 1 RIM36 can be installed in the ASD531 unit. **Relay contacts capacity:** DC50V / 1 A / 30 W. **Dimensions:** W 58 × H 95 × D 17 mm. **Weight:** 85 g. **Max. power consumption:** 15 mA. **Power supply:** (from AMB 35) DC5V.

## RS-485 module

**SIM35**  
ASASD0303500



UPON REQUEST

**RS-485 interface module for creating a network of ASD535 and ASD532 units (up to 250)**

## USB module

**SMM535**  
ASASD0303600



UPON REQUEST

**Module for connecting RS-485 control units to a PC USB port**

**Dimensions:** W 82 × H 89 × D 55 mm. **Weight:** 165 g.

## Software for ASD

**ASDPIPEFLOW**  
ASASD0400100

UPON REQUEST

**Design software for calculation of project deployment symmetric/asymmetric topologies (subject to license with hardware dongle included)**

**ASDCONFIG**  
ASASD0301600

**Dongle & User License for ASDCONFIG (for configuration of control units in direct connection)**

## Red ABS accessories

**TU25ABS**  
ASASD0300400



**Red ABS suction tube for 25 mm diameter pipe**

**Length:** 3 m.

**BE25ABS**  
ASASD0300600



**Red ABS 90° bent tube for 25 mm diameter pipe**

**AN2545ABS**  
ASASD0301700



**Red ABS 45° angled tube for 25 mm diameter pipe**

**TP25ABS**  
ASASD0301000



**Red ABS T-piece for 25 mm diameter pipe**

**SO25ABS**  
ASASD0301500



**Red ABS socket for 25 mm diameter pipe**

**SJ25ABS**  
ASASD0300500



Red ABS screw junction for 25 mm diameter pipe

**EC25ABS**  
ASASD0300700



Red ABS end-cap for 25 mm diameter pipe

## Stainless steel accessories

**TU22STSTEEL**  
ASASD0305400



Stainless steel tube for 22 mm diameter pipe

UPON REQUEST

**BE22STSTEEL**  
ASASD0305500



Stainless steel 90° bent tube for 22 mm diameter pipe

UPON REQUEST

**TP22STSTEEL**  
ASASD0305600



Stainless steel T-piece for 22 mm diameter pipe

UPON REQUEST

**SO22STSTEEL**  
ASASD0305700



Stainless steel socket for 22 mm diameter pipe

UPON REQUEST

**AD2225STSTEEL**  
ASASD0305800



Adapter for connection of TU25ABS and TU22STSTEEL tubes to be used together with adapter socket AD25INCHABS (not supplied)

UPON REQUEST

**AD25INCHABS**  
ASASD0305200



Adapter for connection of TU25ABS and TU22STSTEEL tubes to be used together with adapter AD2225STSTEEL (not supplied)

UPON REQUEST

**EC22STSTEEL**  
ASASD0305900



Stainless steel end-cap for 22 mm diameter pipe

UPON REQUEST

## Clip nozzles

**CLIP2.0PA**  
ASASD0302000



2.0 mm clip nozzles for 25-mm-diameter ABS aspiration hoses  
Hole diameter: 2.0 mm.

**CLIP2.5PA**  
ASASD0300900



2.5 mm clip nozzles for 25-mm-diameter ABS aspiration hoses  
Hole diameter: 2.5 mm.

**CLIP3.0PA**  
ASASD0300200



3.0 mm clip nozzles for 25-mm-diameter ABS aspiration hoses  
Hole diameter: 3.0 mm.

**CLIP3.5PA**  
ASASD0302100



3.5 mm clip nozzles for 25-mm-diameter ABS aspiration hoses  
Hole diameter: 3.5 mm.

**CLIP4.0PA**  
ASASD0300300



4.0 mm clip nozzles for 25-mm-diameter ABS aspiration hoses  
Hole diameter: 4.0 mm.

**CLIP4.5PA**  
ASASD0301400



4.5 mm clip nozzles for 25-mm-diameter ABS aspiration hoses  
Hole diameter: 4.5 mm.

**CLIP5.0PA**  
ASASD0301200



5.0 mm clip nozzles for 25-mm-diameter ABS aspiration hoses  
Hole diameter: 5.0 mm.

## Special detectors

<b>CLIP5.5PA</b> ASASD0302200		<b>5.5 mm clip nozzles for 25-mm-diameter ABS aspiration hoses</b> Hole diameter: 5.5 mm.
<b>CLIP6.0PA</b> ASASD0301300		<b>6.0 mm clip nozzles for 25-mm-diameter ABS aspiration hoses</b> Hole diameter: 6.0 mm.
<b>CLIP6.5PA</b> ASASD0301900		<b>6.5 mm clip nozzles for 25-mm-diameter ABS aspiration hoses</b> Hole diameter: 6.5 mm.
<b>CLIP7.0PA</b> ASASD0302300		<b>7.0 mm clip nozzles for 25-mm-diameter ABS aspiration hoses</b> Hole diameter: 7.0 mm.
<b>CLIPREVPA</b> ASASD0306000	<b>UPON REQUEST</b>	<b>Clip nozzle for fixing on PA 25-mm-diameter aspiration hoses (10-piece box)</b> Package: 10-pcs pack.

### Accessories

<b>SPM6ABSSET</b> ASASD0303300		<b>ABS suction point set (6 mm diameter) with flexible hose and suction ends</b> Pipe diameter: 6 mm.
<b>SPM20ABSSET</b> ASASD0306100		<b>ABS suction point set (20 mm diameter) with flexible hose and suction ends</b> Pipe diameter: 20 mm.
<b>SPM10ABSSET</b> ASASD0309900		<b>ABS suction point set (10 mm diameter) with flexible hose and suction ends</b> Pipe diameter: 10 mm.
	<b>SOON AVAILABLE</b>	
<b>HEAT3.0ABS</b> ASASD0306200		<b>Heated ABS aspiration nozzle (3 mm hole) for installation in cold storage rooms</b> Corresponding hole in ASDPIPEFLOW: 3.0 mm. Compatible pipe: 25 mm. Hole diameter: 5.7 mm.
	<b>UPON REQUEST</b>	
<b>HEAT3.5ABS</b> ASASD0306300		<b>Heated ABS aspiration nozzle (3.5 mm hole) for installation in cold storage rooms</b> Corresponding hole in ASDPIPEFLOW: 3.5 mm. Compatible pipe: 25 mm. Hole diameter: 6.1 mm.
	<b>UPON REQUEST</b>	
<b>HEAT4.0ABS</b> ASASD0306400		<b>Heated ABS aspiration nozzle (4 mm hole) for installation in cold storage rooms</b> Corresponding hole in ASDPIPEFLOW: 4.0 mm. Compatible pipe: 25 mm. Hole diameter: 6.3 mm.
	<b>UPON REQUEST</b>	
<b>HEAT4.5ABS</b> ASASD0306500		<b>Heated ABS aspiration nozzle (4.5 mm hole) for installation in cold storage rooms</b> Corresponding hole in ASDPIPEFLOW: 4.5 mm. Compatible pipe: 25 mm. Hole diameter: 6.7 mm.
	<b>UPON REQUEST</b>	
<b>HEAT5.0ABS</b> ASASD0306600		<b>Heated ABS aspiration nozzle (5 mm hole) for installation in cold storage rooms</b> Corresponding hole in ASDPIPEFLOW: 5.0 mm. Compatible pipe: 25 mm. Hole diameter: 7.1 mm.
	<b>UPON REQUEST</b>	

## Resistance

**HEATRESISTOR**  
ASASD0306700



UPON REQUEST

220 Ω thermal resistor for aspiration nozzles

## Accessory for resistors

**CCF25ABS**  
ASASD0306800



UPON REQUEST

Accessory for splicing multiple thermal resistors through ABS cables. For 25-mm pipes

## Cables

**SLW0.5WT**  
ASASD0306900



UPON REQUEST

Silicone cable for installation in cold storage rooms. White colour  
Length: 100 m.

**SLW0.5BK**  
ASASD0307000



UPON REQUEST

Silicone cable for installation in cold storage rooms. Black colour  
Length: 100 m.

## Junction unit

**WCU535**  
ASASD0307100



UPON REQUEST

Unit for cables junction, for introducing power supply cable into the aspiration hose, with internal clamps

**Dimensions:** W 82 × H 80 × D 85 mm. **Weight:** 317 g. **Material:** Polycarbonate. **Compatible pipe:** 25 mm.

## Valve

**MV25ABS**  
ASASD0301100



UPON REQUEST

ABS manual valve for cleaning the aspiration hose from dust remains, for 25 mm hose

## Brackets

**PC25PA**  
ASASD0300800



“Egli Fischer” “CLICK”-type red bracket for 25 mm hoses

## Glue

**GLUE250ABS**  
ASASD0301800



Glue for connection of ABS pipes and joints - 250 ml

## Dust filter

**DFU911**  
ASASD0308900



Dust filter for ASD systems

**Installation:** In the aspiration hoses, in environments with high dust and dirt concentrations. **Dimensions:** W 111 × H 210 × D 137 mm. **Weight:** 490 g. **Material:** ABS.

## Containers

**DTB25PC**  
ASASD0308200



UPON REQUEST

**Container for dust holding**

**Installation:** In the aspiration hoses, in environments with high dust concentration.  
**Dimensions:** W 250 × H 160 × D 90 mm. **Compatible pipe:** 25 mm.

**WRB25ABS**  
ASASD0302800



UPON REQUEST

**Container for water holding**

**Installation:** In the aspiration hoses, in environments with high humidity. **Dimensions:** W 250 × H 335 × D 90 mm. **Compatible pipe:** 25 mm.

## Cooling system

**LK35ABS**  
ASASD0308400



UPON REQUEST

**Cooling system to be used when the sampling pipe is located in environments where temperature rises above 60°C. It can also be used as a water separator in locations with high humidity or condensation levels**

## Joints

**DFA251**  
ASASD0308500



UPON REQUEST

**Explosion-proof locking joint. Equipment category IIA. Suitable for 25 mm hoses**

**Installation:** 2 pieces are required for each sampling tube.

**DFA252**  
ASASD0308600



UPON REQUEST

**Explosion-proof locking joint. Equipment category IIB. Suitable for 25 mm hoses**

**Installation:** 2 pieces are required for each sampling tube.

**DFA253**  
ASASD0308700



UPON REQUEST

**Explosion-proof locking joint. Equipment category IIC. Suitable for 25 mm hoses**

**Installation:** 2 pieces are required for each sampling tube.

## Linear heat detection

### Linear heat detectors

**ADW535-1**  
TLADW0100300



UPON REQUEST

**Linear heat detector. Management of 1 tube**

**Relay interfaces:** 2 relays (alarm and fault). **Protection class:** IP65. **Operating conditions allowed:** from -30°C to +70°C. **Dimensions:** W 251 × H 160 × D 134 mm. **Weight:** 1.60 kg. **Current draw:** 35 mA (normal operation), 210 mA (self-test, for approx. 180 s). **Conformity:** EN 54-22.

**ADW535-2**  
TLADW0100400



UPON REQUEST

**Linear heat detector. Management of 2 tubes**

**Relay interfaces:** 4 relays (alarm I and II, fault I and II). **Protection class:** IP65. **Operating conditions allowed:** from -30°C to +70°C. **Dimensions:** W 251 × H 160 × D 134 mm. **Weight:** 1.60 kg. **Current draw:** 43 mA (normal operation), 230 mA (self-test, for approx. 180 s). **Conformity:** EN 54-22.

## ATEX linear heat detectors

**ADW535-1HDX**  
TLADW0100500



UPON REQUEST

Linear heat detector for ATEX 2, 22 zones. Management of 1 tube

**Relay interfaces:** 2 relays (alarm and fault). **Protection class:** IP66. **Operating conditions allowed:** from -20°C to +70°C. **Dimensions:** W 260 × H 203 × D 134 mm. **Weight:** 3.00 kg. **Current draw:** 35 mA (normal operation), 210 mA (self-test, for approx. 180 s). **Conformity:** EN 54-22, EN 60079-0. **ATEX marking:** SEV 15 ATEX 0125 X II 3G Ex ec nC IIC T4 Gc II 3D Ex tc IIIC T130°C Dc.

**ADW535-2HDX**  
TLADW0100600



UPON REQUEST

Linear heat detector for ATEX 2, 22 zones. Management of 2 tubes

**Relay interfaces:** 4 relays (alarm I and II, fault I and II). **Protection class:** IP66. **Operating conditions allowed:** from -20°C to +70°C. **Dimensions:** W 260 × H 203 × D 134 mm. **Weight:** 3.00 kg. **Current draw:** 43 mA (normal operation), 230 mA (self-test, for approx. 180 s). **Conformity:** EN 54-22, EN 60079-0. **ATEX marking:** SEV 15 ATEX 0125 X II 3G Ex ec nC IIC T4 Gc II 3D Ex tc IIIC T130°C Dc.

## Relay modules

**RIM36**  
ASASD0303400



UPON REQUEST

5-relay module compatible with ASD531 and ASD532

**Installation:** max 2 RIM36 can be installed in the ASD532 unit, 1 RIM36 can be installed in the ASD531 unit. **Relay contacts capacity:** DC50V / 1 A / 30 W. **Dimensions:** W 58 × H 95 × D 17 mm. **Weight:** 85 g. **Max. power consumption:** 15 mA. **Power supply:** (from AMB 35) DC5V.

## RS-485 module

**SIM35**  
ASASD0303500



UPON REQUEST

RS-485 interface module for creating a network of ASD535 and ASD532 units (up to 250)

## USB module

**SMM535**  
ASASD0303600



UPON REQUEST

Module for connecting RS-485 control units to a PC USB port

**Dimensions:** W 82 × H 89 × D 55 mm. **Weight:** 165 g.

## Probe

**ART53510**  
TLADW0201500



UPON REQUEST

Probe for external temperature compensation

**Length:** 10 m.

## Software

**ADWCONFIG**  
TLADW0300200

Dongle & User License for ADWCONFIG (for configuration of control units in direct connection)

**ADWHEATCALC**  
TLADW0300400

UPON REQUEST

Design software for system dimensioning and measurement

## Copper accessories

**TU54CU3M**  
TLADW0205900



UPON REQUEST

Copper tube (3 m length)

**External diameter:** 5 mm. **Internal diameter:** 4 mm. **Length:** 3 m.

## Special detectors

**TU54CU50**  
TLADW0202200



UPON REQUEST

Copper tube (50 m length)  
External diameter: 5 mm. Internal diameter: 4 mm. Length: 50 m.

**SJ54CUZN10ER**  
TLADW0204700



UPON REQUEST

Brass Serto joint for TU54CU tube (10-piece box)  
Hole diameter: 5.0 mm. Package: 10-pcs pack.

**EP54CUZN5ER**  
TLADW0204800



UPON REQUEST

Brass end-cap for SJ54CUZN (5-piece box)  
Package: 5 pieces.

**TJ54CUZN**  
TLADW0202400



UPON REQUEST

T-junction brass connector for TU54CU tube

**SC54CU5**  
TLADW0202500



UPON REQUEST

Copper U54CU tube coil for local detection  
Length: 5 m.

**TC54CU10**  
TLADW0201900



UPON REQUEST

Copper TU54CU tube coil for test purpose  
Length: 10 m.

### Stainless steel accessories

**TU54ST3M**  
TLADW0206000



UPON REQUEST

Stainless steel tube  
External diameter: 5 mm. Internal diameter: 4 mm. Length: 3 m.

**SJ54ST**  
TLADW0202700



UPON REQUEST

Stainless steel Serto joint for TU54ST tube (5-piece box)  
Diameter: 5 mm. Package: 5 pieces.

**EP54ST**  
TLADW0202800



UPON REQUEST

Steel end-cap for SJ54ST (5-piece box)  
Package: 5 pieces.

**TJ54ST**  
TLADW0202900



UPON REQUEST

T-junction steel connector for TU54ST tube

**SC54ST5**  
TLADW0203000



UPON REQUEST

Stainless steel TU54ST tube coil for local detection  
Length: 5 m.

**TC54ST10**  
TLADW0203100



UPON REQUEST

Stainless steel TU54ST tube coil for test purpose  
Length: 10 m.

**PSTU54ST**  
TLADW0203200



UPON REQUEST

Protection screw for connection of TU54ST tube to ADW535 control units

Teflon accessories

**TU64PTFE50**  
TLADW0204500



UPON REQUEST

Teflon tube (50 m length)  
External diameter: 6 mm. Internal diameter: 4 mm. Length: 50 m.

**TU64PTFE100**  
TLADW0201600



UPON REQUEST

Teflon tube (100 m length)  
External diameter: 6 mm. Internal diameter: 4 mm. Length: 100 m.

**ADTU64CUZN**  
TLADW0206200



UPON REQUEST

Junction connector between teflon tube and ADW control unit  
Material: Brass.

**SC64PTFE5MSET**  
TLADW0206100



UPON REQUEST

Teflon test tube coil  
Length: 5 m.

PVDF accessories

**SJ64PVDF**  
TLADW0200800



UPON REQUEST

Serto joint for TU64PTFE tube  
Diameter: 6 mm. Material: polyvinylidene fluoride.

**EP64PVDF**  
TLADW0203400



UPON REQUEST

Polyvinylidene fluoride end-cap for SJ64PVDF

**TJ64PVDF**  
TLADW0203500



UPON REQUEST

Polyvinylidene fluoride T-junction connector for TU64PTFE

Brass accessories

**RE65CUZN**  
TLADW0202000



UPON REQUEST

Reduction ferrule for SJ64CUZN and FH53PA25

**AD56CUZNSET**  
TLADW0205500



UPON REQUEST

Kit including SJ64CUZN, SS4CUZN, SS3CUZN

**SJ64CUZNSET**  
TLADW0205600



UPON REQUEST

Kit including SJ64CUZN, SS4CUZN

**TJ64CUZNSET**  
TLADW0205700



UPON REQUEST

Kit including TJ64CUZN, SS4CUZN

## Special detectors

**TS64CUZNSET**  
TLADW0205800



UPON REQUEST

Kit including SJ64CUZN, EP64CUZN, SS4CUZN

### Polyamide accessories

**FH53PA25**  
TLADW0204900



UPON REQUEST

Polyamide hose to connect the ADW detection unit with the sensing tube (copper, steel or teflon tube)

External diameter: 5 mm. Internal diameter: 3 mm. Length: 25 m.

**SS3CUZN**  
TLADW0202100



UPON REQUEST

Brass support sleeve for FH53PA25 (10-piece box)

Package: 10-pcs pack.

**SS3ST**  
TLADW0203700



UPON REQUEST

Stainless steel support sleeve for FH53PA25 (10-piece box)

Package: 10-pcs pack.

### Installation accessories

**PC56PA**  
TLADW0203800



UPON REQUEST

Polyamide bracket for sensing tube mounting for 5 mm tube diameter (100-piece box)

Package: 100 pieces.

**PC56ST**  
TLADW0203900



UPON REQUEST

Stainless steel bracket for sensing tube mounting for 5 mm tube diameter (10-piece box)

Package: 10-pcs pack.

**PC56STG2**  
TLADW0205200



UPON REQUEST

Double brass bracket to mount 2 tubes for 5 mm tube diameter (10-piece box)

Package: 10-pcs pack.

### Accessories for ATEX zones

**ART53530EX1**  
TLADW0205300



UPON REQUEST

External temperature sensor for zones 1, 2

Sensor diameter: 6 mm. Temperature range: -50 / +400°C. Length: 30 m. Protection class: IP65. Type of protection: Zones 1, 2 (II 2G Ex em T6). Material: stainless steel.

**ART53530EX21**  
TLADW0205400



UPON REQUEST

External temperature sensor for zones 21, 22

Sensor diameter: 6 mm. Temperature range: -50 / +400°C. Length: 30 m. Protection class: IP65. Type of protection: Zones 21, 22 (II 2D Ex mbD A21 IP65 T80°C). Material: stainless steel.

**GC56EX**  
TLADW0204200



UPON REQUEST

Brass grounding clamp to be used for ATEX zones

## Sales conditions

### 1) SCOPE

- 1.1. The sale of products by EL.MO. is governed by Italian law and in particular by the provisions of these general conditions of sale (hereinafter also referred to as the Conditions), as well as by the provisions on sales pursuant to Articles 1470 et seq. of the Italian Civil Code.
- 1.2. Signing these Conditions by the Buyer entails the express waiver by the latter of its own conditions, even where these are referred to in the contractual documentation and/or invoices.

### 2) PRICES

- 2.1. The prices are those shown in the price list in force at the time of delivery of the merchandise and ex works cash payments will be considered. Prices do not include VAT, which is charged to the Buyer.
- 2.2. EL.MO. reserves the right to change the price list at any time without prior notice to customers.

### 3) DELIVERY

- 3.1. EL.MO. does not accept any liability for the delivery date which, where specified, is merely an indicative. If the date of delivery of the goods is postponed at the request of the Buyer, the latter hereby authorises EL.MO. to issue an invoice in advance, the amount of which shall be immediately paid by the Buyer.
- 3.2. The goods are intended to be sold "ex works", therefore they travel at the Buyer's risk, even if the shipment is carried out by EL.MO. through trusted or agreed carriers and/or forwarding agents. Delivery is deemed to be executed when the goods are taken charge of by the carrier and/or forwarding agent. Any loss or damage to the goods not attributable to EL.MO. shall under no circumstances give rise to compensation for damages by EL.MO.

### 4) COMPLAINTS

- 4.1. Any complaints shall be received in writing within eight days of receipt of the products; complaints for breakages and/or shortages shall be raised with the carrier at the time of delivery, activating, where applicable, carrier liability.
- 4.2. No complaint shall give the right to suspension of payments for any reason whatsoever, which shall be made in full on the part of the price relating to the undisputed products.

### 5) CONDITIONS OF PAYMENT

- 5.1. The place of payment is always agreed to be the registered office of EL.MO., even if payment is agreed by draft, cash order or other automatic debits. Unless otherwise agreed in writing, payments shall be in cash upon delivery of the goods. For the first delivery, payment by "cash on delivery" is mandatory.
- 5.2. In any case, on any delayed payment, arrears interest shall be due to EL.MO. to the extent of the official discount rate, increased by three points, in force at the time payment was due, without prejudice to any other right of EL.MO.
- 5.3. Payment of the price on the agreed due dates may not be suspended or delayed by the Buyer for any reason whatsoever. The Buyer may not raise objections in order to avoid or delay the payment due. Any claims in relation to the supply shall be asserted in separate proceedings.
- 5.4. In the event of termination of the contract for reasons attributable to the Buyer, the instalments of the price already collected shall remain acquired by EL.MO. as compensation, without prejudice to any other claim for greater damages and expenses.
- 5.5. Insolvency on the part of the buyer shall authorise EL.MO. to change the terms of payment agreed without prior notice, in addition to immediate suspension of supplies in progress until the outstanding payments are settled.

### 6) APPLICATION OF ACCELERATION CLAUSE

- 6.1. Failure to pay even only one instalment of the price shall lead to application of acceleration the clause the forfeiture for the Buyer.

### 7) CHARACTERISTIC CONSTRUCTION DATA

- 7.1. The technical data, even if contained in the catalogues, is always provided as an indication and is not binding. EL.MO. reserves the right to make any changes in the construction of its products at any time without the Buyer being able to raise any objections of any kind.
- 7.2. EL.MO. is not obliged to make any changes to products already manufactured. Any discrepancies between the data provided and the characteristics of the goods sold shall not involve any liability for EL.MO. and the Buyer shall not have the right to revoke the order or request

termination of the contract, reduce the price or claim damages for such discrepancies.

- 7.3. In accordance with the law, EL.MO. reserves all rights on all technical drawings or documents, which may not be copied, reproduced or communicated to third parties without written permission.

### 8) THIRD PARTY LIABILITY

- 8.1. By issuing the order, the buyer accepts liability for compliance with legal and safety regulations relating to the use of the products supplied.
- 8.2. Under no circumstances, except in cases of proven wilful misconduct or gross negligence, can EL.MO. be held liable, even indirectly, for lack of or inadequate functioning of the products and/or consequential damages.
- 8.3. While guaranteeing the "integrity" of its product, EL.MO. shall not in any case be liable for any disputes between the end user and intermediate commercial units.
- 8.4. The items offered and/or indicated in the various commercial documents (price lists, catalogues, website, portal, etc.) are intended specifically for the use for which they have been certified, which is indicated in the technical documentation available for each product. Any other use is not authorised and in this case the functionality of the product itself is not guaranteed.
- 8.5. EL.MO. is not in any case responsible for the compatibility of the solutions proposed with other systems, with which its products must interact and/or cooperate. Verification of compatibility is the exclusive responsibility of the installer based on the technical specifications of the products. Nevertheless, for those requiring them, EL.MO. can provide external technical support services at the conditions indicated in the chapter "EXTERNAL SUPPORT SERVICES".
- 8.6. The products use components for which the original manufacturer expresses a percentage defect rate which, however small, nevertheless affects the functionality of the equipment. The buyer is therefore requested to take all precautions in terms of control procedures and system implementation in order to identify any product inefficiencies in a timely manner. The buyer is invited to adapt the level of performance provided by the system with the actual risk situation (assessing, inter alia, the possibility that the system may be operating in degraded mode due to faults or other situations arising from atmospheric agents, electrical discharges from the electricity or telephone network, electrical faults, material defects).
- 8.7. The design, installation and maintenance of systems using the products included in the price lists are reserved for personnel in possession of the requirements and knowledge necessary to ensure their operation.
- 8.8. EL.MO. shall not responsible for design errors made by third parties, including installers, even if such errors may be the result of indications provided by product sales personnel.
- 8.9. The products must be installed in compliance with current accident prevention legislation. The internal parts of certain equipment are connected to the power grid and therefore there is a risk of electrocution when maintenance work is performed inside without first disconnecting the primary power supply. Certain products include batteries, rechargeable or otherwise, as an emergency backup power supply. If connected incorrectly, they may cause damage to the product or property and may endanger the operator (explosion and fire).
- 8.10. The sale of EL.MO. products on-line is possible only after written communication from the company for each item requested. The sale of EL.MO. products on-line is possible ONLY and EXCLUSIVELY in the reserved area, accessible only to registered users. EL.MO. price lists, on the other hand, can be public and therefore accessible to every web user. Buyers who, having expressly communicated their intention to EL.MO., advertise the product for e-commerce resale, are solely responsible for the correct information concerning the product characteristics, its usability only by professional users and the limits of validity of the warranty, also in terms of warranty period, as described in the following paragraph. In advertising the products, also online, should the buyer fail to inform third parties of the contents of these "general conditions of sale", regarding "construction data, characteristics", "third party liability" and "product warranty", EL.MO. shall be exempt from any liability whatsoever for damages directly and indirectly related to the sale concluded.
- 8.11. The buyer also undertakes to acquire from the third party, possibly its purchaser, consent with regard to these "general conditions of sale", duly binding the latter to the same provisions. The buyer expressly

declares, moreover, to exonerate EL.MO. from any liability for direct and indirect damages caused to the buyer itself and/or to third parties deriving from the delayed delivery of the material and execution of the system using these components, from the lack of and incorrect functioning of the systems implemented and for the non-availability of the same, for the entire period necessary for the repair and/or replacement of the components.

- 8.12. EL.MO. shall not be required to pay indemnification or compensation for damages, of any kind, caused to persons, property or anything else, which may occur during the use of products supplied. Moreover, EL.MO. shall not accept any liability for damage caused by these products if they are installed in premises that have subsequently become unsuitable due to changes made by the buyer and/or user.

## 9) PRODUCT WARRANTY

- 9.1. EL.MO. provides 30 months (60 months where indicated) warranty on its products for defects of components provided that the equipment, upon inspection, does not show signs of tampering or burns and/or other malfunctions, due to incorrect connections and/or overvoltage discharges. Warranty is provided, for the entire period indicated above, only on products whose installation is carried out within 6 months of the date of production shown on each product. The period of 30 months is calculated from the date of production.
- 9.2. The warranty is provided exclusively on EL.MO. premises.
- 9.3. All materials sent for repair to EL.MO., even if during the warranty period, shall be sent carriage paid. For materials repaired out of warranty, return to the customer will take place exclusively carriage forward. Material repaired during the warranty period will be returned with the first delivery possible. Only in the event of agreed urgency shall the return take place carriage paid.
- 9.4. The products shall be shipped in their original packaging or in other packaging suitable to protect the products from damage during transport.
- 9.5. Returns are not be accepted unless authorised in advance. The return transport document must contain the details of the sales transport document and invoice. The amount of the credit may be reduced by any costs incurred in collecting or rechecking and re-testing the equipment. The credit note will be reversed at a later date or paid by direct remittance upon written notice from EL.MO. In any case, there must be no situations of insolvency on the part of the customer due to undue deductions or in any case not agreed upon. For further details on the RMA process, please refer to Regulation RMAUff.mkt12.04.18.
- 9.6. On the products sold, EL.MO. provides a warranty period of 12 months (Cat. Z in column G), 18 months (Cat. W in column G) or 24 months (Cat. Y in column G). Any replacement or return of products sold or extension of the warranty period shall be authorised according to that provided by the manufacturer.
- 9.7. Products or components subject to deterioration and wear and tear such as rechargeable and non-rechargeable batteries, video recorder heads, print heads, sensitive elements of gas detectors, electric motors and mechanical parts (mentioned herein by way of example only) are excluded from the warranty.
- 9.8. Any return of goods shall be expressly authorised by EL.MO. and shall take place in strict accordance with EL.MO.'s return procedure. In the event of unauthorised returns, the material will be automatically returned to the sender.

## 10) SOFTWARE AND FIRMWARE PRODUCT WARRANTY

- 10.1. Software and firmware products, hereinafter referred to as PRODUCTS, outside of the limited warranty described below, are provided "as is" in all their components (including the user instructions), without warranty of any kind. Moreover, EL.MO. does not guarantee the use of the PRODUCTS and the result of the use of the PRODUCTS in terms of correctness, accuracy or reliability; the risk of results and product performance is entirely borne by the CUSTOMER.
- 10.2. EL.MO. guarantees replacement of the media containing the software due to defects in materials and workmanship for 60 days from delivery. Defective media will be replaced without charge within this period.
- 10.3. Due to the complexity of the nature of the PRODUCTS, EL.MO. does not warrant that the same will be completely error free, that they will operate without interruption and that they will be compatible with all equipment or configurations of the said PRODUCTS. Customers are invited to check the work performed by the PRODUCTS and expressly accept the risk of use in the event of applications in which an error on their part may result in damage and/or injury to people, property and business activity.

- 10.4. EL.MO. expressly disclaims all other express or implied warranties on software and firmware, including the warranty of fitness for a particular purpose.
- 10.5. Under no circumstances, unless there is evidence of malicious or grossly negligent conduct by EL.MO., its agents, resellers, distributors and employees, shall EL.MO. be liable for any direct, indirect or incidental damages arising out of the use, misuse or inability to use the products, even if EL.MO. has been notified of the possibility of such events and, specifically but without limitation, in the case of loss of profits, loss of use, loss of equipment and data materials and/or costs relating to the repair, insurance or replacement thereof, as well as claims from third parties. In any case, the liability of EL.MO. or its distributors shall be limited to the price paid by the customer for the user license of the PRODUCTS.
- 10.6. Any other warranties expressed in writing or verbally by EL.MO. agents, distributors or employees shall under no circumstances extend the terms of these conditions, nor may the CUSTOMER rely on written communications of this kind.
- 10.7. The PRODUCTS might be supplied with a user license agreement, the signing of which guarantees the customer the right to use any update and improvement of the product at the conditions established from time to time by EL.MO.

## 11) REPAIRS

- 11.1. In order to improve and streamline the technical support service, we would like to propose to our Customers the repair of the material sold and manufactured by us with the charge of an amount which is highlighted below. The customer's discount will be applied to the amounts shown below.
- 11.2. For marketed-only products, repair at a fixed cost is guaranteed unless spare parts are no longer available. For products manufactured by us, fixed cost repair is guaranteed for products with manufactured no more than 8 years ago. For products more than 8 years old, we offer the possibility of replacement with updated products of the same model or with an alternative model of more recent construction.
- 11.3. Only upon specific request, and provided that the item is repairable, repair is possible at the rate indicated in the "Repair costs table" increased by 10% when the product is within 10 years of the production date, by 20% when the product is within 12 years and by 30% when the product exceeds 12 years from the production date.
- 11.4. Please note that the repair portal is available to customers that allows the status of materials sent to EL.MO. for repair at the EL.MO. ST laboratory to be consulted. To use the service, it is necessary to register on the website [elmospa.com](http://elmospa.com) with the corporate account of the person who is in charge of the repairs in the customer's organisation and request activation of the service to [marketing@elmospa.com](mailto:marketing@elmospa.com).

## 12) REPAIR CONDITIONS

- 12.1. The repair of products in column RC in the price list will be carried out with invoicing of the corresponding amount only if the material meets the following conditions:
- 1) the product must not have been tampered with in any way;
  - 2) the board must be complete in all its parts (terminal board, connector, etc.);
  - 3) the defect found by the installer must be attached;
  - 4) if the material does not meet the conditions listed, the repair will be carried out with a 40% increase in the cost table below;
  - 5) if the material under warranty does not meet the conditions of points 1), 2) and 3), the warranty will automatically expire and the corresponding repair costs will be charged according to the table below.

### Repair cost table

B	C	D	E	F	W
€ 19.00	€ 29.00	€ 38.00	€ 50.00	€ 65.00	€ 100.00
H	I	L	M	N	O
€ 160.00	€ 270.00	€ 320.00	€ 450.00	€ 520.00	€ 610.00
P	Q	R	S	X	
€ 700.00	€ 860.00	€ 980.00	€ 1180.00	*	

\* Subject to quotation

- 12.2. A service for updating the Firmware of the Embedded DVRs, Video servers and IP/MEGAPIXEL cameras is available; in case of need contact EL.MO. technical support for further information.
- 12.3. For the Firmware updating activity, the rate corresponding to the letter "G" will be applied.

**13) HELP DESK SERVICES**

- 13.1. EL.MO. provides its installers with a team capable of providing an after-sales service of the same quality as that guaranteed with regard to its own products. The Help Desk telephone number is 0499200426, available from Monday to Friday from 8.30 am to 12.30 pm and from 2 pm to 6 pm.
- 13.2. If the line is busy, an automatic responder notifies the priority position reached (example: position 3, position 2); staying on hold allows the caller not to lose the priority acquired: if the wait exceeds 15 minutes the automatic responder informs the caller that the support request will be reported to the operators with the details of the person making the request for a subsequent contact by the competent operators. If the call is terminated before the 15 mins, the operators will not receive any automatic notification of the contact request. Conciseness and clarity in formulating questions will be essential to reduce the length of the communication, thereby improving the service quality and availability.
- 13.3. During periods of prolonged closure, EL.MO. provides customers with a technical support service, the procedures of which will be communicated through newsletters, news on the elmospa.com website and communications on the company's social channels.
- 13.4. The Help Desk service can also be reached via text message if the direct telephone line 049-9200426 is busy. The text message service is available on (+39)3460127401 from Monday to Friday from 8.30 am to 12.30 pm and from 2 pm to 6 pm. Text messages sent outside these hours will not be managed. Text messages must contain a maximum of 160 characters, the full name of the person making the request and the subject of the request. If the support request is straightforward and limited in scope, it can be managed through a simple reply to the message, otherwise the relevant personnel will provide a telephone contact.
- 13.5. All support requests received both by telephone and by text message are processed within the same day of the request after a period of time that varies in relation to the amount of requests in progress.
- 13.6. For support requests that do not require immediate contact with the operator and for non-urgent requests for further information/explanation, the Help Desk service can be contacted by writing to assistenza. tecnica@elmospa.com and indicating the company name/full name of the person making the request and a detailed description of the request itself; the sender will immediately receive notification of receipt of the email. The Help Desk service will respond to the support request received via email within a maximum of 3 working days.

**14) EXTERNAL SUPPORT SERVICES**

- 14.1. EL.MO. provides its customers with technical support personnel for conducting inspections and functionality checks. The service provision procedure must be agreed with the head office according to the availability of EL.MO. technical personnel. The hourly costs, excluding travel expenses, are as follows:

**15) SPECIALISED TECHNICAL PERSONNEL**

For each working hour, including return journeys, on working days from Monday to Friday with a maximum of 8 hours	€ 40.00
For each hour worked on Mondays to Fridays from 6.30 am to 8.30 am and from 6 pm to 10.30 pm	€ 50.00
For each hour worked on Mondays to Fridays from 10.30 pm to 6.30 am	€ 60.00
For each hour worked on Saturdays and/or public holidays from 6.30 am to 10.30 pm	€ 75.00
For each hour worked on Saturdays and/or public holidays from 10.30 pm to 6.30 am	€ 100.00

**Software specialist**

For services provided by a technician in this category, all rates indicated will be increased by 30%.

**Fractional hour charge**

All fractions of an hour of less than 30 minutes will be rounded up to the next half hour.

**Travel expenses**

All travel expenses will be charged at cost.

**16) CONSULTANCY AND DESIGN**

- 16.1. Security systems increasingly involve the simultaneous presence of intrusion and fire detection, CCTV, access control, technological system management and alarm centralisation systems.
- 16.2. EL.MO. provides a consultancy and design support service to installers, technical firms and industry operators for the development of

feasibility studies, offers and projects; in the event that the problems that the security operator needs to address require more specific and detailed knowledge, EL.MO. is able to provide services against payment.

- 16.3. The systems design department can provide all the necessary details on costs and service availability.

**17) FORCE MAJEURE AND HARDSHIP CLAUSE**

- 17.1. In partial waiver and/or integration to the provisions of Articles 1463 et seq. and 1467 et seq. of the Italian Civil Code, in the event that, during the performance of this contract, circumstances arise that are not attributable to the Parties and that make it impossible for EL.MO. to precisely fulfil its contractual obligations or the fulfilment of such obligations excessively burdensome (including, by way of example but not limited to, cases in which the onset of an epidemic, the occurrence of a major disaster, the outbreak of a serious local and/or world conflict and the like have prevented the delivery of the goods sold or have delayed it due to the slowdown of cross-border trade, the reduction of production by subcontractors and consequent supplies, increases in production costs and/or prices of components used to develop the goods sold, the impossibility of finding components on the market for the manufacture of the goods sold or of procuring them in good time, etc.) the relationship is governed by the following clauses. In the case in point, EL.MO. cannot in any way be considered liable for its breach deriving from such incapacitating event, in accordance with Articles 1218 and 1256 of the Italian Civil Code.
- 17.2. In the event that the performance of EL.MO. has become definitively and totally impossible due to the contingencies contemplated in the previous clause, as an express waiver of Art. 1463 of the Italian Civil Code, this contract shall remain in force between the Parties and the buyer, that bears the risk, shall in any case be obliged to fulfil its own obligations.
- 17.3. In the event that the performance of EL.MO. has become partially and/or temporarily impossible due to the contingencies contemplated in the above clause 17.1, EL.MO. shall inform the counterparty in writing of the reasons for the delay, without the buyer, as an express waiver of Art. 1464 of the Italian Civil Code, being able to suspend the performance of its own obligations or terminate this contract. In this case, should the buyer wish to claim that this had led to it no longer being interested in obtaining the services and that it intends to terminate the contract, it may not take legal action to obtain such termination, but may only ask EL.MO. to initiate negotiations aimed at renegotiating the original relationship, affected by the contingencies, which shall be conducted in accordance with the principle of good faith pursuant to Articles 1175 and 1375 of the Italian Civil Code. After the ninetieth (90th) day from the request for renegotiation without the Parties having reached an agreement, the contract shall remain in force in its original formulation. It is understood that before the expiry of the term of ninety days from the renegotiation request, the buyer may not apply to the competent Judicial Authorities to compulsorily renegotiate or terminate the contract.
- 17.4. If, as a result of the contingencies referred to in clause 17.1 above, the performance of EL.MO. has become excessively burdensome compared to that of the buyer, EL.MO. shall notify the buyer and may suspend its performance without this being deemed a material breach of its obligations. In this case, if the excessive burden is related to an unforeseen increase in the costs of production and/or purchase of the components of its products, the price of the goods sold shall automatically be increased in proportion to the increase in costs that has occurred. In all other cases in which the performance of EL.MO. has become excessively burdensome compared to that of the buyer, the Parties undertake to initiate negotiations in order to fairly modify the conditions of sale, pursuant to Art. 146(3) of the Italian Civil Code, carrying out the same in compliance with the principle of fairness and good faith pursuant to Articles 1175 and 1375 of the Italian Civil Code. After the ninetieth (90th) day from the request for renegotiation without the Parties having reached an agreement, EL.MO. shall have the right to withdraw from this contract.

**18) CASE HISTORIES**

- 18.1. The Buyer is aware of the possibility that EL.MO., in the context of the creation of different collections of references (hereinafter also referred to as case histories) aimed at promoting its activity and the most important works implemented with the products sold by EL.MO., has the need to obtain, from the most well-known, prestigious and authoritative users where the EL.MO. branded security systems are installed - directly or through the intermediation of the Customer - (hereinafter

also referred to as "Premium Customers"), the related authorisation to publish the data identifying the facility (such as: the name of the installation site; the location of the installation site; the trademark/logo representing the user where the systems have been installed), the system installed (such as information illustrating the security solutions adopted to customise the system in accordance with the needs of the Premium Customer) and some images illustrating the location and the security system, closely related to the system installed. Therefore, in accordance with that already contemplated by the above clause 1.2, the Buyer expressly declares to accept that the issue by the latter of the purchase order (hereinafter also referred to as "Order"), in accordance with the offer made by EL.MO, implies acceptance of these Conditions and the simultaneous and express waiver of its own conditions, also where these may be mentioned in the contractual documentation and/or in the Order and/or in the invoices, as well as, consequentially, provision of informed consent of the Premium Customer to the publication of the case histories in compliance with the procedures contemplated in this clause.

- 18.2. EL.MO. points out that, within the scope of the case histories, it will not disclose any technical data that may allow the public to identify the location of the security devices installed at the Premium Customer's sites or that may affect, even potentially, their correct functioning.
- 18.3. EL.MO. warrants that such data and images will not be subject to any modification and/or alteration whatsoever – with the exception of data and images that are contrary to the provisions of clause 18.2 above. - and will be published on [elmospa.com](http://elmospa.com), [globalpro.elmospa.com](http://globalpro.elmospa.com) and on the Facebook, LinkedIn and YouTube social channels of EL.MO. Spa. As a result, the data referred to in clause 18.1 above will be visible to anyone accessing the aforementioned websites or social channels and may be viewed by CUSTOMERS - PROSPECTS - USERS OF VARIOUS KINDS.
- 18.4. In the event that the Premium Customer has, in turn, purchased the security system from the Buyer, the Buyer, also in accordance with Art. 1381 of the Italian Civil Code, undertakes to obtain the consent of the Premium Customer to publication of the case histories and to promptly notify EL.MO. of any refusal to publish the case histories, even if such refusal is expressed subsequently by the Premium Customer. Should the Buyer fail to fulfil its obligations under this clause, the Buyer shall be required to compensate EL.MO. for any damages incurred as a result of such failure, and shall indemnify EL.MO. for any negative consequences of such breach.
- 18.5. In any case, before proceeding with publication of the case histories, EL.MO. shall be responsible for submitting any documents to the Premium Customer, sending them to the address indicated from time to time by the Buyer and/or by the Premium Customer itself, in order to allow the latter, if necessary, to prevent publication.
- 18.6. In any case, consent to publication of the case histories shall be considered to have been provided the Premium Customer should fifteen (15) working days elapse from the sending of the document, contemplated to the above clause 18.5, without EL.MO. having received refusal of the related publication, expressed by the Premium Customer by sending a written communication to the following e-mail address: [marketing@elmospa.com](mailto:marketing@elmospa.com).
- 18.7. EL.MO. also declares that publication of the case histories will be carried out with all the safeguards provided for by the provisions of the new General Data Protection Regulation EU 2016/679 (GDPR) and that EL.MO. itself, as data controller, hereby expressly undertakes, pursuant to Art. 1381 of the Italian Civil Code, to also require all its employees or those who collaborate with it to comply with current legislation regarding the protection of personal data (since data and images could be processed by external personnel for the layout or the uploading of the same). With reference to the regulation, external personnel have been appointed as data processors, pursuant to and for the purposes of Article 28 of the GDPR, and are aware of current legislation. The processing of the data collected will also be carried out in automated and/or manual form, in compliance with the provisions of Article 32 of GDPR 2016/679. In accordance with the principles of lawfulness, limitation of purpose and data minimisation, pursuant to Article 5 of GDPR 2016/679, data and images will remain uploaded on the website and retained for a period of 10 years.
- 18.8. In any case, the Premium Customer has the right at any time to:
- obtain confirmation of the existence or otherwise of same such data and, if so, to know its content and origin;
  - verify its accuracy and request the correction of inaccurate data;
  - integration of incomplete data or the updating of outdated data;

- obtain restriction of processing, where one of the cases provided for in Article 18 of the GDPR applies;
- request deletion of data processed in violation of the law, or in the presence of one of the other conditions provided for in Article 17, (1) (a), (b), (c), (e) and (f) of the GDPR;
- object in any case, for legitimate reasons, to its procession;
- object to processing in the other cases provided for in Article 21(2), (3) and (22) of the GDPR;
- withdraw its freely provided consent to the processing of personal data at any time for one or more specific purposes, without prejudice to the lawfulness of the processing based on the consent provided before withdrawal;
- obtain the personal data being processed in a format compatible with standard computer applications, in order to permit its transfer to other platforms of preference of the Premium Customer itself, without hindering direct transmission of the data processed to another Data Controller, where such direct transmission is technically feasible [so-called right to data portability].

Requests relating to the exercise of the aforementioned rights connected to the General Data Protection Regulation should be addressed to the Data Controller: EL.MO. Spa Via Pontarola 70 Reschigliano di Campodarsego 35011, Padua, Italy by sending an email to [privacy@elmospa.com](mailto:privacy@elmospa.com).

### 19) DEROGATING OR SUPPLEMENTARY AGREEMENTS

- 19.1. Any derogating or complementary agreement to these general conditions of sale shall be agreed in writing pursuant to and for the purposes of Art. 1352 of the Italian Civil Code.

### 20) SETTLEMENT OF DISPUTES

- 20.1. Any dispute arising from or in any way connected with this contract shall be resolved through the mediation procedure provided for by Legislative Decree 28/2010. - "Implementation of Article 60 of Law no. 69 of 18 June 2009 on mediation for the settlement of civil and commercial disputes" - administered and governed according to the regulations of the Padua Chamber of Mediation, a body of the Padua Chamber of Commerce, Industry and Crafts.
- 20.2. If the mediation procedure pursuant to clause 17.1 above is not concluded with a positive outcome, all disputes arising from or in any way connected with this contract shall be referred to the exclusive jurisdiction of the Court of Padua.

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Code	Product code	Description	RC	W	Availability notes	Page
AD2225STSTEEL	ASASD0305800	Adapter for connection of TU25ABS and TU22STSTEEL tubes to be used together with adapter socket AD25INCHABS (not supplied)	.	Z	upon request	43
AD25INCHABS	ASASD0305200	Adapter for connection of TU25ABS and TU22STSTEEL tubes to be used together with adapter AD2225STSTEEL (not supplied)	.	Z	upon request	43
AD56CUZNSSET	TLADW0205500	Kit including SJ64CUZLN, SS4CUZLN, SS3CUZLN	.	.	upon request	49
ADTU64CUZLN	TLADW0206200	Junction connector between teflon tube and ADW control unit	.	Z	upon request	49
ADW535-1	TLADW0100300	Linear heat detector. Management of 1 tube	X	Z	upon request	46
ADW535-1HDx	TLADW0100500	Linear heat detector for ATEX 2, 22 zones. Management of 1 tube	X	Z	upon request	47
ADW535-2	TLADW0100400	Linear heat detector. Management of 2 tubes	X	Z	upon request	46
ADW535-2HDx	TLADW0100600	Linear heat detector for ATEX 2, 22 zones. Management of 2 tubes	X	Z	upon request	47
ADWCONFIG	TLADW0300200	Dongle & User License for ADWCONFIG (for configuration of control units in direct connection)	.	.	upon request	47
ADWHEATCALC	TLADW0300400	Design software for system dimensioning and measurement	.	.	upon request	47
AL2SW24	GIALI0200500	Power supply unit with AC230V / 2A input and 29 Vdc / 2A output	C	30	-	8, 17, 28
AN2545ABS	ASASD0301700	Red ABS 45° angled tube for 25 mm diameter pipe	.	Z	-	42
ANT4GEXA15	A1MDCCA00600	Antenna for MD4GE with 15 m cable. It can be installed 15 m far from control unit when used with the supplied antenna for a better coverage	.	Z	-	10, 18
ANT4GEXA2	A1MDCCA00500	Antenna for MD4GE with 2 m cable. It can be installed 2 m far from control unit when used with the supplied antenna for a better coverage	.	Z	-	10, 18
ANT4GTA	CMAAC0100300	Internal antenna kit for Tacóra control units, required to properly install MD4GE module inside control units when the cellular radio signal is good	.	Z	-	10, 18
ART53510	TLADW0201500	Probe for external temperature compensation	.	Z	upon request	47
ART53530EX1	TLADW0205300	External temperature sensor for zones 1, 2	.	Z	upon request	50
ART53530EX21	TLADW0205400	External temperature sensor for zones 21, 22	.	Z	upon request	50
ASD531	ASASD0100600	Single-tube aspirating active smoke detection system. Sensor included	X	Z	upon request	41
ASD532KIT	ASASD0100700	ASD 532 + 1 SSD 532-3 - Single-tube aspirating active smoke detection system with SSD532-3 sensor included	X	Z	-	41
ASD533-1	ASASD0100300	Single-tube aspirating active smoke detection system. SSD31 sensor included	X	Z	-	41
ASD5351KIT	ASASD0100800	ASD 535-1 + 1 SSD 535-3 - Single-tube aspirating active smoke detection system with SSD535-3 sensor included	X	Z	-	41
ASD5352KIT	ASASD0100900	ASD 535-2 + 2 SSD 535-3 - Two-tube aspirating active smoke detection system with 2 SSD535-3 sensors included	X	Z	-	41
ASDCONFIG	ASASD0301600	Dongle & User License for ASDCONFIG (for configuration of control units in direct connection)	.	Z	-	42
ASDPIPEFLOW	ASASD0400100	Design software for calculation of project deployment symmetric/asymmetric topologies (subject to license with hardware dongle included)	.	Z	upon request	42
AV01AL	PGPMG0100100	Indoor optical-acoustic indicator	X	Z	-	26
B1.212G	BTBAT0100100	1.2 Ah / 12 V AGM e-Vision battery	.	Z	-	29
B1212G	BTBAT0101400	12Ah/12V AGM e-Vision battery	.	Z	-	29
B1812G	BTBAT0100300	18 Ah / 12 V AGM e-Vision battery	.	Z	-	29
B2.212G	BTBAT0100600	2.2 Ah / 12 V AGM e-Vision battery	.	Z	-	29
B2612I	BTBAT0002800	26 Ah / 12 V battery	.	Z	-	29
B40/12	BTBAT0000700	40Ah / 12V battery	.	Z	upon request	29
B712G	BTBAT0100200	7 Ah / 12 V AGM e-Vision battery	.	Z	-	29
BBSR	AVSOAAC00200	Red back box for FYRA sounders	.	Y	-	13
BE22STSTEEL	ASASD0305500	Stainless steel 90° bent tube for 22 mm diameter pipe	.	Z	upon request	43
BE25ABS	ASASD0300600	Red ABS 90° bent tube for 25 mm diameter pipe	.	Z	-	42
BO200	AGBTG0000100	CNG cylinder (CH4) for calibration of hydrogen, methane, LPG, petrol vapors sensors	.	Z	upon request	35
BO210	AGBTG0000300	CNG cylinder (CO) for the calibration of CO sensors	.	Z	upon request	35
BRVB	PCPMC0100800	Indoor blue pressure call point	.	Z	-	19
BRVEN2	PCPMC0101200	Indoor manual call point, tool for case opening and reset included	.	30	-	19
BRVENIP	PCPMC0100300	CXM/WP - Outdoor manual call point, tool for case opening and reset included	.	Z	-	19
BRVENV10	PAAC00000100	Pack of 10 spare glasses for BRVEN, BRVENIP, STNCPPIP and ST-NCP-EN glass-break fire alarm call points	.	Z	-	20
BRVG	PCPMC0100700	Indoor yellow pressure call point	.	Z	-	19
BSOUNDLH	MIACOB000400	FYRA addressable sounder with luminous indication on sensor base	X	Y	-	13
C72HEN	CFCSA0100200	Cable to wire HEKLA and TACÓRA control panels to auxiliary power supply groups to increase system autonomy	.	30	new	14, 28
CCF25ABS	ASASD0306800	Accessory for splicing multiple thermal resistors through ABS cables. For 25-mm pipes	.	Z	upon request	45
CE380UR	G3ACC0000200	Expansion board to add 8 zones for 4-20mA detectors to the CE700P gas detection control unit. B2.212G battery required (not included)	X	Z	upon request	33
CE408P	G3CE00000300	Gas detection control unit capable of managing up to 4 zones for 4- 20mA detectors, dedicated zone for NO contacts and 5 relay outputs	X	Z	upon request	33
CE700P	G3CE00000200	Gas detection control unit designed to manage up to 23 × CE380UR concentrators for a total of 184 inputs	X	Z	upon request	33
CLIP2.0PA	ASASD0302000	2.0 mm clip nozzles for 25-mm-diameter ABS aspiration hoses	.	Z	-	43
CLIP2.5PA	ASASD0300900	2.5 mm clip nozzles for 25-mm-diameter ABS aspiration hoses	.	Z	-	43
CLIP3.0PA	ASASD0300200	3.0 mm clip nozzles for 25-mm-diameter ABS aspiration hoses	.	Z	-	43
CLIP3.5PA	ASASD0302100	3.5 mm clip nozzles for 25-mm-diameter ABS aspiration hoses	.	Z	-	43
CLIP4.0PA	ASASD0300300	4.0 mm clip nozzles for 25-mm-diameter ABS aspiration hoses	.	Z	-	43
CLIP4.5PA	ASASD0301400	4.5 mm clip nozzles for 25-mm-diameter ABS aspiration hoses	.	Z	-	43
CLIP5.0PA	ASASD0301200	5.0 mm clip nozzles for 25-mm-diameter ABS aspiration hoses	.	Z	-	43
CLIP5.5PA	ASASD0302200	5.5 mm clip nozzles for 25-mm-diameter ABS aspiration hoses	.	Z	-	44
CLIP6.0PA	ASASD0301300	6.0 mm clip nozzles for 25-mm-diameter ABS aspiration hoses	.	Z	-	44
CLIP6.5PA	ASASD0301900	6.5 mm clip nozzles for 25-mm-diameter ABS aspiration hoses	.	Z	-	44
CLIP7.0PA	ASASD0302300	7.0 mm clip nozzles for 25-mm-diameter ABS aspiration hoses	.	Z	-	44
CLIPREVA	ASASD0306000	Clip nozzle for fixing on PA 25-mm-diameter aspiration hoses (10-piece box)	.	Z	upon request	44
COPB	MIACOCV00500	White cover for BSOUND	.	30	upon request	12
COPT	MIACOCV00600	Transparent cover for BSOUNDLH (2-piece box)	.	Y	1-piece price	13
CP8/SER2	CICSS0000100	Cable for direct control unit programming. Software application required (not included)	.	30	-	39
DFA251	ASASD0308500	Explosion-proof locking joint. Equipment category IIA. Suitable for 25 mm hoses	.	Z	upon request	46
DFA252	ASASD0308600	Explosion-proof locking joint. Equipment category IIB. Suitable for 25 mm hoses	.	Z	upon request	46
DFA253	ASASD0308700	Explosion-proof locking joint. Equipment category IIC. Suitable for 25 mm hoses	.	Z	upon request	46
DFU911	ASASD0308900	Dust filter for ASD systems	X	Z	-	45
DLB2AG	OAACST01100	Plates for LB2000 series optical-acoustical display panels with "ALLARME GAS" message	.	30	-	26

Note: the products highlighted in orange are certified CPR 305/2011.

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DLB2EL	OAACCST01200	Plates for LB2000 series optical-acoustical display panels with "EVACUARE IL LOCALE" message	.	30	-	26
DLB2EP	OAACCST01500	Plates for LB2000 series optical-acoustical display panels with "EXTINGUISHING IN PROGRESS" message	.	30	-	26
DLB2FA	OAACCST01400	Plates for LB2000 series optical-acoustical display panels with "FIRE ALARM" message	.	30	-	26
DLB2SC	OAACCST01300	Plates for LB2000 series optical-acoustical display panels with "SPEGNIMENTO IN CORSO" message	.	30	-	26
DRACOG2	RWRRIO000200	Wireless temperature detector with base. Requires an EL.MO. intrusion detection control unit equipped with wireless interface	F	30	-	21
DTB25PC	ASASD0308200	Container for dust holding	.	Z	upon request	46
EC22STSTEEL	ASASD0305900	Stainless steel end-cap for 22 mm diameter pipe	.	Z	upon request	43
EC25ABS	ASASD0300700	Red ABS end-cap for 25 mm diameter pipe	.	Z	-	43
EL/7R	AVSOASAO0100	Indoor piezoelectric fire alarm siren	B	30	-	26
ELMOGWAY	ACMDIMP00100	Gateway allowing data communication between EL.MO. intrusion detection units and automation systems based on MODBUS, KNX and SCS protocols	X	Y	-	10, 18
ELMOGWAY2	ACMDIMP00200	Small-sized gateway allowing data communication between EL.MO. intrusion detection units and automation systems based on MODBUS, KNX and SCS protocols	X	Y	-	10, 18
EP54CUZNSER	TLADW0204800	Brass end-cap for SJ54CUZN (5-piece box)	.	Z	upon request	48
EP54ST	TLADW0202800	Steel end-cap for SJ54ST (5-piece box)	.	Z	upon request	48
EP64PVDF	TLADW0203400	Polyvinylidene fluoride end-cap for SJ64PVDF	.	Z	upon request	49
ES380UR	G3ACC0000300	4-relay-output board to be mounted on CE380UR concentrators	X	Z	upon request	33
ES404	G3ACC0000400	Expansion board to add 4 zones for 4-20mA detectors to CE408P gas control units	X	Z	upon request	33
ES414	G3ACC0000500	Expansion board to add 4 relay outputs to CE408P gas control units	X	Z	upon request	33
<b>EVC-PY-IS</b>	SCRSI0100200	Intrinsically safe conventional smoke detector compatible with TACÓRA control panels with specific ATEX firmware version. 2 x Zener barriers mod. Z928 required	.	30	upon request	14
<b>EXTING</b>	ACATAMS00100	1-zone extinguishing module	E	30	-	8, 17
<b>EXTING</b>	ACATAMS00300	Intrinsically-safe version EXTING module for ATEX detection	E	30	-	8, 17
<b>FE02</b>	FE0020100200	19001 + 01805Z - Electromagnetic retainer for fire doors	.	Z	-	22
<b>FE03</b>	FE0020100300	19001 + 01805Z + 01740 - Electromagnetic retainer for fire doors with telescopic column	.	Z	-	22
<b>FE05</b>	FE0020100500	18101 + 01815Z - Electromagnetic retainer for fire doors with high holding strength	.	Z	-	22
<b>FE06</b>	FE0020100600	18101 + 01815Z + 01740 - Electromagnetic retainer for fire doors with high holding strength and telescopic column	.	Z	upon request	22
FH53PA25	TLADW0204900	Polyamide hose to connect the ADW detection unit with the sensing tube (copper, steel or teflon tube)	.	Z	-	50
<b>FIRERAY3000</b>	RLFIR0200100	Smoke detector with infrared light beam	X	60	-	24
FIRERAY3000BKT	RLACC0200600	Mounting bracket for FIRERAY3000 detector head and for FIRERAYFPP and FIRERAYSPP prism adapter plates for use with FIRERAYONE, FIRERAY5000*	.	60	-	24
FIRERAY3000ES	RLFIR0200200	Kit with transmitter and receiver heads, to be connected to the control unit of an already existing FIRERAY3000 system	X	60	-	24
FIRERAY5000100KIT	RLFIR0100500	Kit for FIRERAYONE, FIRERAY5000* and FIRERAY5000T50* to increase the optical range from 50 m to 120 m (for FIRERAYONE) or 100 m (for FIRERAY5000*)	.	60	-	24
FIRERAYFPP	RLACC0200500	Plate for the installation of 4 prisms (10 x 10 cm each) on a FIRERAY5000BKT* or FIRERAY3000BKT universal mounting bracket (not included)	.	30	upon request	24
<b>FIRERAYONE</b>	RLFIR0101100	Linear reflection motorized and self-calibrating smoke detector	X	60	-	24
FIRERAYSPP	RLACC0200400	Plate for installation of 1 prism (10 x 10 cm) on a FIRERAY5000BKT* or FIRERAY3000BKT universal mounting bracket (not included)	.	30	upon request	24
<b>FPU24025M</b>	GIALI0101300	DC24V/2.5 A supervised power supply group	X	30	-	14, 28
<b>FPU24055L</b>	GIALI0100800	DC24V/5.5 A supervised power supply group	X	30	-	14, 28
GC56EX	TLADW0204200	Brass grounding clamp to be used for ATEX zones	.	Z	upon request	50
GLUE250ABS	ASASD0301800	Glue for connection of ABS pipes and joints - 250 ml	.	Z	-	45
GM168	GMSWS0400100	16 in / 8 out generic LAN interface with CEI-ABI protocol. It allows to interface intrusion detection and fire detection control units, DVR and NVR of third parties or existing devices through GLOBALPRO via LAN network	D	30	-	39
GPCM	GMSWS0300200	Loading video maps onto supervision software (travel expenses not included)	.	.	-	39
GPCP	GMSWS0300300	Loading and configuring a point onto supervision software (travel expenses not included)	.	.	-	39
GPDWG	GMSWS0300100	Creation of a video map transforming existing DWG files into WMF (preferred) or other formats (not recommended), to be performed in our headquarters	.	.	-	38
GPMGSSW	GMSWS0300700	Daily service (8 hours) charge for software specialist (travel expenses excluded)	.	.	-	39
GPMGTS	GMSWS0300600	Daily service (8 hours) charge for system start up carried out by qualified personnel (travel expenses excluded)	.	.	-	39
GPMOSSW	GMSWS0300500	Hourly service charge for software specialist (travel expenses excluded)	.	.	-	39
GPMOTS	GMSWS0300400	Hourly service charge for system start up carried out by qualified personnel (travel expenses excluded)	.	.	-	39
GPRO1	GMPRO0100100	GLOBALPRO supervision software license, unlimited management for intrusion detection and fire detection alarm points and cameras, 1 site, unlimited client	.	.	-	37
GPRO1SMA	GMPROSM00100	SMA for GPRO1	.	.	-	38
GPRO2	GMPRO0100200	GLOBALPRO supervision software license, management up to 1,000 alarm points of which 64 video points (up to 64 cameras), 1 site, unlimited clients	.	.	-	37
GPRO2SMA	GMPROSM00200	SMA for GPRO2	.	.	-	38
GPRO3	GMPRO0100300	GLOBALPRO supervision software license, management up to 500 alarm points of which 24 video points (up to 24 cameras), 1 site, unlimited clients	.	.	-	37
GPRO3SMA	GMPROSM00300	SMA for GPRO3	.	.	-	38
GPRO4	GMPRO0100400	GLOBALPRO supervision software license, management up to 100 alarm points of which 4 video points (up to 4 cameras), 1 site, 1 client. Not expandable	.	.	-	37
GPRO4SMA	GMPROSM00400	SMA for GPRO4	.	.	-	38
GPROFIRE	GMPRO0100800	GLOBALPRO supervision software license for fire detection systems that are based on FX and TACÓRA control units. It manages up to 512 fire alarm points, 1 site, 1 client. Not expandable	.	.	-	37
GPROFIRESMA	GMPROSM00800	SMA for GPROFIRE	.	.	-	38
GPROINTRUSION	GMPRO0100700	GLOBALPRO supervision software license only for intrusion detection systems that are based on ETR, PROXIMA and TITANIA control units. It manages up to 512 intrusion detection alarm points, 1 site, 1 client. Not expandable	.	.	-	37
GPROINTRUSIONSMA	GMPROSM00700	SMA for GPROINTRUSION	.	.	-	38
GPROLP1	GMPRO0100600	GLOBALPRO supervision software license for 100 additional alarm points of which 10 video points (for GPRO2 and GPRO3)	.	.	-	37
GPROLP1SMA	GMPROSM00600	SMA for GPROLP1	.	.	-	38
GPROLS1	GMPRO0100500	GLOBALPRO supervision software license for 1 additional site (GPRO1, GPRO2 and GPRO3 only)	.	.	-	37
GPROLS1SMA	GMPROSM00500	SMA for GPROLS1	.	.	-	38
GPRONTF	GMPRO0101200	GLOBALPRO supervision additional software license for management of fire detection control units that support fire CEI-ABI protocol for 1 site	.	.	-	37

Note: the products highlighted in orange are certified CPR 305/2011.

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GPRONTFSMA	GMPROSM00900	SMA for GPRONTF	.	.	-	38
GPROTCON24D	GMPRO0101300	GLOBALPRO supervision software license option to manage 1 ONVIF camera directly connected (0-24 cameras range)	.	.	-	37
GPROTCON24DSMA	GMPROSM01000	SMA for GPROTCON24D	.	.	-	38
GPROTCON24N	GMPRO0101600	GLOBALPRO supervision software license option to manage 1 ONVIF camera connected to a PRO/SMART DVR (0-24 cameras range)	.	.	-	37
GPROTCON24NSMA	GMPROSM01300	SMA for GPROTCON24N	.	.	-	38
GPROTCON64D	GMPRO0101400	GLOBALPRO supervision software license option to manage 1 ONVIF camera directly connected (25-64 cameras range)	.	.	-	37
GPROTCON64DSMA	GMPROSM01100	SMA for GPROTCON64D	.	.	-	38
GPROTCON64N	GMPRO0101700	GLOBALPRO supervision software license option to manage 1 ONVIF camera connected to a PRO/SMART DVR (25-64 cameras range)	.	.	-	37
GPROTCON64NSMA	GMPROSM01400	SMA for GPROTCON64N	.	.	-	38
GPROTCONXD	GMPRO0101500	GLOBALPRO supervision software license option to manage 1 ONVIF camera directly connected (unlimited cameras)	.	.	-	37
GPROTCONXDSMA	GMPROSM01200	SMA for GPROTCONXD	.	.	-	38
GPROTCONXN	GMPRO0101800	GLOBALPRO supervision software license option to manage 1 ONVIF camera connected to a PRO/SMART DVR (unlimited cameras)	.	.	-	38
GPROTCONXNSMA	GMPROSM01500	SMA for GPROTCONXN	.	.	-	38
GSMACI	CMAAC0100100	Internal antenna kit for Tacóra control units, required to properly install MDGSME module inside control units when the cellular radio signal is good	.	Z	-	9, 18
GSMEXA15	A1MDCCA00800	Optional antenna for MDGSME, ETRGSM, INT9200, NET832, NET9, PREGIO, PROXIMA supplied with 15 m cable. It can be installed 15 m far from control unit or GSM interface when used with the supplied antenna for a better coverage	.	Z	-	10, 18
GSMEXA2	A1MDCCA00700	Optional antenna for MDGSME, ETRGSM, INT9200, NET832, NET9, PREGIO, PROXIMA supplied with 2 m cable. It can be installed 2 m far from control unit or GSM interface when used with the supplied antenna for a better coverage	.	Z	-	9, 18
HEAT3.0ABS	ASASD0306200	Heated ABS aspiration nozzle (3 mm hole) for installation in cold storage rooms	.	Z	upon request	44
HEAT3.5ABS	ASASD0306300	Heated ABS aspiration nozzle (3.5 mm hole) for installation in cold storage rooms	.	Z	upon request	44
HEAT4.0ABS	ASASD0306400	Heated ABS aspiration nozzle (4 mm hole) for installation in cold storage rooms	.	Z	upon request	44
HEAT4.5ABS	ASASD0306500	Heated ABS aspiration nozzle (4.5 mm hole) for installation in cold storage rooms	.	Z	upon request	44
HEAT5.0ABS	ASASD0306600	Heated ABS aspiration nozzle (5 mm hole) for installation in cold storage rooms	.	Z	upon request	44
HEATRESISTOR	ASASD0306700	220 Ω thermal resistor for aspiration nozzles	.	Z	upon request	45
HEKLA	CIHL00000100	Analogue-addressable control panel with graphic display expandable from 1 to 4 loops that can be integrated in a network of control panels and repeating keypads	X	Y	-	5
HL2LOOP	AIACHME00100	2-loop FYRA expansion board for HEKLA panels	F	Y	-	5
HL422MB	AIACHMB00100	RS-422 module to connect a network of HEKLA panels to a system based on the Modbus protocol	D	Y	-	6
HL4LOOP	AIACHME00200	4-loop FYRA expansion board for HEKLA panels	W	Y	-	5
HLLANGPRO	AIACHML00500	Module to manage HEKLA in GLOBALPRO	F	Y	-	6
HLNET	AIACHMN00100	Module for connection of one single HEKLA panel to a panel network	F	Y	-	6
HLNODE	CIHL00000200	Analogue-addressable control panel without display expandable from 1 to 4 loops that can be integrated in a network of control panels and repeating keypads	X	Y	-	5
HLPL	GIACCO200200	Module for supervision of one HLPPOWER unit directly from FYRA loop	B	Y	-	6
HLPPOWER	GIALI0100600	FYRA loop supervisable power supply unit	F	Y	-	6
HLREPEATER	AIACHRR00100	Repeating keypad for HEKLA control panels that can be integrated in a network of control panels and repeating keypads	W	Y	-	6
LB2000	OATOATM00800	Optical-acoustic fire alarm panel	C	30	-	26
LB3000	OATOATM01500	Optical-acoustic fire alarm panel with built-in LED	C	30	-	26
LK35ABS	ASASD0308400	Cooling system to be used when the sampling pipe is located in environments where temperature rises above 60°C. It can also be used as a water separator in locations with high humidity or condensation levels	.	Z	upon request	46
LSOUND65	AVSOASA02600	FYRA IP65 addressable sounder with luminous indication	X	Y	-	12
LSOUNDLH	AVSOASA02500	FYRA addressable sounder with light indicator	X	Y	-	12
MBL24BA	AVSOASA00700	CF6-24 - Indoor fire bell	.	Z	-	27
MBL24IP	AVSOASA00900	FB/24 - IP55 outdoor fire bell	.	Z	-	27
MD1IO	MIIEM0C00800	FYRA module featuring 1 input and 1 output	E	30	-	12
MD1P	MIIEM0P00700	FYRA module for simple control of 1 door	E	30	-	12
MD2P	MIIEM0P00800	FYRA module for complete control of 2 doors	E	30	-	12
MD4GE	AWMDCCG01400	4G module with connector to connect an external antenna. Antenna kits required (not supplied)	W	30	-	9, 18
MD4GETA	CMAAC0200200	Kit for installation inside TACÓRA panels including one MD4GE module and one ANT4GTA antenna kit	W	30	-	9, 18
MD4IO	MIIEM0C00700	FYRA module featuring 4 inputs and 4 outputs	E	30	-	12
MDCOMBI	AIACTMC00100	IP Bridge PRO - 4G.IN6.R6 - Digital dialler. It receives alarm and fault signals from intrusion detection or fire detection control panels and it forwards them via Internet to control centers and to single addressees	X	Z	-	10, 19
MDCONV	MIIEM0M0500	NB763-I FYRA module to control conventional detectors and call points	.	30	-	12
MDGSME	AWMDCCG00800	GSM/GPRS dual-band module equipped with connector for connection of an external antenna to connect to the GSM mobile network. Antenna kit required (not supplied)	F	30	-	9, 17
MDGSME (One)	AWMDCCG01900	ONE line GSM/GPRS dual-band module equipped with connector for connection of an external antenna to connect to the GSM mobile network. Antenna kit required (not supplied)	F	30	-	9, 17
MDGSMETA	CMAAC0200100	Kit for installation inside TACÓRA panels including one MDGSME module and one GSMACI antenna kit	F	30	-	9, 17
MDGSMETA (One)	CMAAC0200300	Kit for installation inside TACÓRA panels including one MDGSME module (One line) and one GSMACI antenna kit	F	30	-	9, 17
MDLAN	AWMDCCL00100	Ethernet module providing a 10Mbit Ethernet connection	W	30	-	8, 16
MDSPLIT	MIIEM0S00300	Module for connection of 2 separate branches of a FYRA loop to the same loop board of TACÓRA control units	E	30	-	11
MV25ABS	ASASD0301100	ABS manual valve for cleaning the aspiration hose from dust remains, for 25 mm hose	.	Z	upon request	45
PAR	PAIE00100400	Pressure analogue-addressable call point	E	30	-	13
PAR67F	PAIE00200400	IP67 pressure analogue-addressable call point	D	Y	-	13
PC25PA	ASASD0300800	"Egli Fischer" "CLICK"-type red bracket for 25 mm hoses	.	Z	-	45
PC56PA	TLADW0203800	Polyamide bracket for sensing tube mounting for 5 mm tube diameter (100-piece box)	.	Z	upon request	50
PC56ST	TLADW0203900	Stainless steel bracket for sensing tube mounting for 5 mm tube diameter (10-piece box)	.	Z	upon request	50
PC56STG2	TLADW0205200	Double brass bracket to mount 2 tubes for 5 mm tube diameter (10-piece box)	.	Z	upon request	50
PGTFYRA	AARFY0000100	Programmer for SNI01A, SNI02A, SNI03A detectors	.	Y	soon available	11
PPXALARMB	OAACTF00100	Two-face forex panel with ALLARME INCENDIO writing on each side. It can be paired with LSOUNDLH and BSOUNDLH. 2 × 19-mm spacers supplied	.	Z	-	13
PPXALARMB05	OAACTF00200	5-piece PPXALARMB box	.	Z	-	13
PPXALDSM	OAAACBR00200	Bigger spacers for PPXALARM plexiglass panels	.	Z	-	13

Note: the products highlighted in orange are certified CPR 305/2011.

# Alphabetical index

Code	Product code	Description	RC	W	Availability notes	Page
PSTU54ST	TLADW0203200	Protection screw for connection of TU54ST tube to ADW535 control units	.	Z	upon request	48
RCALG	RCRAA0000100	Flood detector with relay alarm output	D	30	-	23
RCCH4	RCRRGMP00100	Electrochemical cell METHANE gas detector	D	30	-	30
RCCO	RCRRGMP00300	Electrochemical cell CO gas (Carbon Monoxide) detector	D	30	-	30
RCGPL	RCRRGMP00200	Electrochemical cell LPG gas detector	D	30	-	30
RE65CUZLN	TLADW0202000	Reduction ferrule for SJ64CUZLN and FH53PA25	.	Z	upon request	49
RFCH4	RWRRG0000100	Wired/wireless METHANE gas detector for civilian use	D	30	-	21
RFCO	RWRRG0000300	Wired/wireless CO gas detector for civilian use	D	30	-	21
RFGPL	RWRRG0000200	Wired/wireless LPG gas detector for civilian use	D	30	-	21
RFP/L	AVSOARP00200	Outdoor optical repeater connectable to sensors base	B	30	-	27
RFPLI	AVSOARP00800	LED optical repeater with fixed red light	X	30	-	27
RGLOOPCO	RIRAS0100100	Industrial CARBON MONOXIDE (CO) detector with electrochemical cell sensor	X	Z	-	35
RGRCO	G2RCP0000900	Industrial CARBON MONOXIDE (CO) detector with electrochemical cell sensor	X	30	-	33
RIM35	ASASD0300100	5-relay module compatible with ASD535	X	Z	upon request	42
RIM36	ASASD0303400	5-relay module compatible with ASD531 and ASD532	X	Z	upon request	42, 47
RK100RS	RLRKS0100200	Reflection-based linear smoke detector. It requires n. 2 RK90FX10 reflectors to be ordered separately (included in the price)	X	Y	upon request	25
RK90FX10	RLACC0400100	Reflector for RK90RS, RK100RS linear smoke detectors	X	Z	upon request	25
RK90RS	RLRKS0100100	Reflection-based linear smoke detector. It requires n. 1 RK90FX10 reflectors to be ordered separately (included in the price)	X	Y	-	25
RSFO	DTCON0000600	RS232-422-485 serial bus / multi mode optical fiber converter. Point-to-point half or full duplex transmission	X	Z	upon request	39
SA100/24	AVSOASA00200	Outdoor piezoelectric fire alarm siren	D	30	-	27
SC54CU5	TLADW0202500	Copper U54CU tube coil for local detection	.	Z	upon request	48
SC54ST5	TLADW0203000	Stainless steel TU54ST tube coil for local detection	.	Z	upon request	48
SC64PTFE5MSET	TLADW0206100	Teflon test tube coil	.	Z	upon request	49
SE138KB	G2RCA0000400	Petrol vapour detector with CATALYTIC sensor	X	Z	upon request	32
SE138KG	G2RCA0000200	LPG gas detector with CATALYTIC sensor	X	Z	upon request	31
SE138KI	G2RCA0000300	HYDROGEN detector with CATALYTIC sensor	X	Z	upon request	31
SE138KM	G2RCA0000100	METHANE gas detector with CATALYTIC sensor	X	Z	upon request	31
SE138PG	G2RCA0000500	LPG gas detector with PELLISTOR sensor	X	Z	upon request	31
SE138PM	G2RCA0000700	METHANE gas detector with PELLISTOR sensor	X	Z	upon request	31
SE138PX	G2RCA0000600	Various gas detector with PELLISTOR sensor	X	Z	upon request	32
SE230KG	GIRGV0000200	LPG gas detector with catalytic sensor	X	Z	-	31
SE230KM	GIRGV0000100	METHANE gas detector with catalytic sensor	X	Z	-	31
SE237EC-S	G2RCP0002100	CARBON MONOXIDE (CO) detector with electrochemical cell sensor	X	Z	upon request	32
SE237EO	G2RCP0002000	OXYGEN detector with electrochemical cell sensor	X	Z	upon request	33
SE237KB	G2RCP0001700	Petrol vapour detector with CATALYTIC sensor	X	Z	upon request	32
SE237KG	G2RCP0001500	LPG gas detector with CATALYTIC sensor	X	Z	upon request	32
SE237KI	G2RCP0001300	HYDROGEN detector with CATALYTIC sensor	X	Z	upon request	32
SE237KM	G2RCP0001400	METHANE gas detector with CATALYTIC sensor	X	Z	-	32
SE237PG	G2RCP0001900	LPG gas detector with PELLISTOR sensor	X	Z	upon request	32
SE237PM	G2RCP0001800	METHANE gas detector with PELLISTOR sensor	X	Z	upon request	32
SE237PX	G2RCP0001600	Various gas detector with PELLISTOR sensor	X	Z	upon request	32
SE503KG	GIRGI0000200	Recessed mount LPG gas detector with catalytic sensor	X	Z	-	31
SE503KM	GIRGI0000100	Recessed mount METHANE gas detector with catalytic sensor	X	Z	-	31
SIM35	ASASD0303500	RS-485 interface module for creating a network of ASD535 and ASD532 units (up to 250)	X	Z	upon request	42, 47
SJ25ABS	ASASD0300500	Red ABS screw junction for 25 mm diameter pipe	.	Z	-	43
SJ54CUZLN10ER	TLADW0204700	Brass Serto joint for TU54CU tube (10-piece box)	.	Z	upon request	48
SJ54ST	TLADW0202700	Stainless steel Serto joint for TU54ST tube (5-piece box)	.	Z	upon request	48
SJ64CUZLNSET	TLADW0205600	Kit including SJ64CUZLN, SS4CUZLN	.	.	upon request	49
SJ64PVDF	TLADW0200800	Serto joint for TU64PTFE tube	.	Z	upon request	49
SLW0.5BK	ASASD0307000	Silicone cable for installation in cold storage rooms. Black colour	.	Z	upon request	45
SLW0.5WT	ASASD0306900	Silicone cable for installation in cold storage rooms. White colour	.	Z	upon request	45
SMCOR2K	RWRRI0000400	Wireless NG-TRX combined smoke/CO detector for residential applications	D	30	-	21
SMM535	ASASD0303600	Module for connecting RS-485 control units to a PC USB port	X	Z	upon request	42, 47
SMR2K	RWRRI0000500	Wireless NG-TRX smoke detector for residential applications	D	30	-	21
SNI01A	RIRFY0100100	Low-profile FYRA analogue-addressable smoke detector with built-in isolator	.	Z	soon available	11
SNI01C	SCRFY0100100	FYRA conventional smoke detector	.	30	-	19
SNI01CR	SCRFY0100200	Conventional smoke detector with relay base. Suitable for use with DC12V intrusion detection control units, for residential applications	.	30	-	20
SNI02A	RIRFY0200100	Low-profile FYRA analogue-addressable rate-of-rise and fixed temperature detector with built-in isolator	.	Z	soon available	11
SNI02C	SCRFY0200100	FYRA conventional heat detector	.	30	-	19
SNI02CR	SCRFY0200200	Conventional heat detector with relay base. Suitable for use with DC12V intrusion detection control units, for residential applications	.	30	upon request	20
SNI03A	RIRFY0300100	Low-profile FYRA analogue-addressable combined smoke, rate-of-rise and fixed temperature detector with built-in isolator	.	Z	soon available	11
SNI03C	SCRFY0300100	FYRA conventional combined smoke and heat detector	.	30	-	19
SNI03CR	SCRFY0300200	Conventional combined smoke and heat detector with relay base. Suitable for use with DC12V intrusion detection control units, for residential applications	.	30	upon request	20
SNI04A	RIRIE0100500	32201 - Low-profile FYRA smoke detector	.	30	-	10
SNI06A	RIRIE0300400	32203 - Low-profile rate-of-rise FYRA combined heat and smoke detector	.	30	-	11
SO22STSTEEL	ASASD0305700	Stainless steel socket for 22 mm diameter pipe	.	Z	upon request	43
SO25ABS	ASASD0301500	Red ABS socket for 25 mm diameter pipe	.	Z	-	42
SOLOA10	RMACR0101400	250 ml spray tester for smoke detectors	.	Z	-	23
SPM10ABSSET	ASASD0309900	ABS suction point set (10 mm diameter) with flexible hose and suction ends	.	Z	soon available	44
SPM20ABSSET	ASASD0306100	ABS suction point set (20 mm diameter) with flexible hose and suction ends	.	Z	-	44
SPM6ABSSET	ASASD0303300	ABS suction point set (6 mm diameter) with flexible hose and suction ends	.	Z	-	44
SS3CUZLN	TLADW0202100	Brass support sleeve for FH53PA25 (10-piece box)	.	Z	upon request	50
SS3ST	TLADW0203700	Stainless steel support sleeve for FH53PA25 (10-piece box)	.	Z	upon request	50
SSD31	ASASD0200400	Smoke detector for ASD531 systems	X	Z	upon request	41
SSD532-3	ASASD0200500	Smoke detector for ASD532 systems	X	Z	upon request	41
SSD535-3	ASASD0200200	Smoke detector for ASD535-1 and ASD535-2 systems	X	Z	upon request	42
ST2	RMACR0201000	Venturi pipe 0.6m for UG7STD	.	Z	-	23
ST5	RMACR0201100	Venturi pipe 1.5m for UG7STD	.	Z	-	23
ST9	RMACR0201400	Venturi pipe 2.8m for UG7STD	.	Z	-	23

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Code	Product code	Description	RC	W	Availability notes	Page
STB-PR10	RMACB0000200	High-profile adapter (10-piece box)	.	Z	-	13
STFE01	FE0020200100	1740 - Extendable column with square section mm. 40 x 40, 180°-orientable, for horizontal wall installation or vertical floor installation of fire door magnetic retainers	.	Z	-	22
STFE02	FE0020200200	01740M - Extendable column with square section mm. 40 x 40, 180°-orientable, for horizontal wall installation or vertical floor installation of fire door magnetic retainers	.	Z	-	22
TA1002	ICCTA0103600	2-conventional-zone control panel	W	30	-	16, 30
TA1004	ICCTA0103700	4-conventional-zone control panel	W	30	-	15, 30
TA2000	ICCTA0103800	Hybrid configuration: 4 conventional zones expandable up to 12 + 1 analogue-addressable loop	W	30	-	7, 15
TA2000	ICCTA0104000	Intrinsically-safe version TA2000 control panel for ATEX detection	W	30	-	7, 15
TA4000	ICCTA0103900	Hybrid configuration: 4 conventional zones + 2 analogue-addressable loops	W	30	-	7, 15
TAEXP10	ACATAMC00100	Expansion board for up to 8 conventional zones	E	30	-	8, 16
TAEXP10	ACATAMC00400	Intrinsically-safe version TAEXP10 module for ATEX detection	E	30	-	8, 16
TALOOOP	ACATAML00600	Expansion board for up to 254 devices with FYRA loop that can be hosted inside the control unit	W	30	-	8
TAREL24	ACATAMR00100	4-relay board	C	30	-	9, 17
TAREPEATER	ACATARP00500	Repeating panel for TACÓRA series panels (4.0 and higher versions). It reports all control unit messages and states on its display and LEDs in real time	W	30	-	7, 16
TC011	AGKTG0000100	Calibration kit for industrial detectors	.	Z	upon request	35
TC012	AGKTG0000200	Calibration kit for domestic detectors	.	Z	upon request	35
TC54CU10	TLADW0201900	Copper TU54CU tube coil for test purpose	.	Z	upon request	48
TC54ST10	TLADW0203100	Stainless steel TU54ST tube coil for test purpose	.	Z	upon request	48
TJ54CUZLN	TLADW0202400	T-junction brass connector for TU54CU tube	.	Z	upon request	48
TJ54ST	TLADW0202900	T-junction steel connector for TU54ST tube	.	Z	upon request	48
TJ64CUZNSSET	TLADW0205700	Kit including TJ64CUZLN, SS4CUZLN	.	.	upon request	49
TJ64PVDF	TLADW0203500	Polyvinylidene fluoride T-junction connector for TU64PTFE	.	Z	upon request	49
TP22STSTEEL	ASASD0305600	Stainless steel T-piece for 22 mm diameter pipe	.	Z	upon request	43
TP25ABS	ASASD0301000	Red ABS T-piece for 25 mm diameter pipe	.	Z	-	42
TS282EC-S	G4RCP0001200	CARBON MONOXIDE (CO) detector with electrochemical cell sensor	X	Z	upon request	35
TS282EO	G4RCP0001300	OXYGEN detector with electrochemical cell sensor	X	Z	upon request	35
TS282KB	G4RCP0001500	Petrol vapour detector with CATALYTIC sensor	X	Z	upon request	34
TS282KG	G4RCP0001600	LPG gas detector with CATALYTIC sensor	X	Z	upon request	34
TS282KI	G4RCP0001800	HYDROGEN detector with CATALYTIC sensor	X	Z	upon request	34
TS282KM	G4RCP0001400	METHANE gas detector with CATALYTIC sensor	X	Z	upon request	34
TS282PX	G4RCP0001700	Various gas detector with PELLISTOR sensor	X	Z	upon request	34
TS293KB	G4RCA0000400	Petrol vapour detector with CATALYTIC sensor	X	Z	upon request	34
TS293KG	G4RCA0000200	LPG gas detector with CATALYTIC sensor	X	Z	upon request	34
TS293KI	G4RCA0000300	HYDROGEN detector with CATALYTIC sensor	X	Z	upon request	34
TS293KM	G4RCA0000100	METHANE gas detector with CATALYTIC sensor	X	Z	upon request	34
TS293PX	G4RCA0000500	Various gas detector with PELLISTOR sensor	X	Z	upon request	34
TS64CUZNSSET	TLADW0205800	Kit including SJ64CUZLN, EP64CUZLN, SS4CUZLN	.	Z	upon request	50
TU22STSTEEL	ASASD0305400	Stainless steel tube for 22 mm diameter pipe	.	Z	upon request	43
TU25ABS	ASASD0300400	Red ABS suction tube for 25 mm diameter pipe	.	Z	-	42
TU54CU3M	TLADW0205900	Copper tube (3 m length)	.	Z	upon request	47
TU54CU50	TLADW0202200	Copper tube (50 m length)	.	Z	upon request	48
TU54ST3M	TLADW0206000	Stainless steel tube	.	Z	upon request	48
TU64PTFE100	TLADW0201600	Teflon tube (100 m length)	.	Z	upon request	49
TU64PTFE50	TLADW0204500	Teflon tube (50 m length)	.	Z	upon request	49
UB-4IS	ARREVB00100	Standard base for EVC-PY-IS intrinsically safe optical detector	.	30	upon request	14
UG7KIT1	RMACR0201200	Kit including housing for installation of fire detectors in UG-7STD conduits and ST2 0.6-m Venturi pipe	.	Z	-	22
UG7KIT2	RMACR0201300	Kit including housing for installation of fire detectors in UG-7STD conduits and ST5 1.5-m Venturi pipe	.	Z	-	22
UGCOVER75	RMACR0201600	Outdoor case for UG7STD	.	Z	upon request	23
UGMB75	RMACR0201500	Mounting bracket for UG7STD installation on round ducts	.	Z	-	22
URSCONV	SAACD0000700	USB RS-232/485/422 converter.	X	Z	-	39
VTG-32E-DB-R	AVSOASA01200	Indoor sounder with deep base	.	Z	-	26
WCU535	ASASD0307100	Unit for cables junction, for introducing power supply cable into the aspiration hose, with internal clamps	.	Z	upon request	45
WRB25ABS	ASASD0302800	Container for water holding	.	Z	upon request	46
Z928	ARREVB100400	Zener barrier for ATEX detection	.	Z	upon request	14
ZSEC/IP	AGRCS0001600	Spare cartridge for SE237EC-S, TS282EC-S	.	Z	upon request	36
ZSEO/IP	AGRCS0001700	Spare cartridge for SE237EO, TS282EO	.	Z	upon request	36
ZSK01/EX	AGRCS0001100	Spare cartridge for SE138KM, SE138KG, SE138KI, TS293KM, TS293KG, TS293KI	.	Z	upon request	35
ZSK01/IP	AGRCS0001200	Spare cartridge for SE237KM, SE237KG, TS282KM, TS282KG, SE237KI, TS282KI	.	Z	upon request	35
ZSK02/EX	AGRCS0000400	Spare cartridge for SE138KM, SE138KG, TS293KM, TS293KG, TS293KI	.	Z	upon request	35
ZSK02/IP	AGRCS0001300	Spare cartridge for SE237KM, SE237KG, SE237KI, TS282KM, TS282KG, TS282KI	.	Z	upon request	36
ZSK04/EX	AGRCS0000600	Spare cartridge for SE138KB, TS293KB	.	Z	upon request	35
ZSKB/IP	AGRCS0001500	Spare cartridge for SE237KB, TS282KB	.	Z	upon request	36
ZSP/IP	AGRCS0001400	Spare cartridge for SE237PM, SE237PG, SE237PX, TS282PX	.	Z	upon request	36
ZSP02/EX	AGRCS0000800	Spare cartridge for SE138PX	.	Z	upon request	35
ZSP05/EX	AGRCS0000700	Spare cartridge for SE138PM, SE138PG, SE138PX, TS293PX	.	Z	upon request	35

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