

# Tacóra series

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Fighting fire power with another powerful element: technology. This is the challenge EL.MO issues with the 4 versions of Tacóra series control units: a family of advanced and performing fire panels, for prevention and safety of medium to large applications, such as those realized in **banks, industrial, commercial, and residential buildings**.

Tacóra series control units are available in various versions, can be setup according to the single systems needs, and adopt the **dual working mode – conventional and conventional/analogue-addressable** – to ensure the most detailed monitoring of fire risks. In spite of the excellent performance capability, the panels are **very easy to setup and operate**: the user-friendly interface, with graphic display and LED indicators, allows to operate the system effectively and in a fast and intuitive way.

With the use of GSM/GPRS, LTE and LAN modules (optional), Tacóra panels can be **interfaced with e-Connect**, EL.MO. platform for systems supervision and control, and benefit from advantages offered: systems supervision also with graphic maps, remote management and assistance, and **InstaVision® video verification**.

### Tacóra series range



#### TA1002

2 conventional zones



#### TA1004

4 conventional zones



#### TA2000

4 conventional zones  
(extension up to 12)  
+  
1 loop



#### TA4000

4 conventional zones  
+  
2 loops

## Tacóra series key points



The TACÓRA series includes 4 different control units which can manage up to 2, 4 or 12 conventional zones. TA2000 and TA4000 are hybrid central units which can manage simultaneously both conventional zones and analogue-addressed loops.

Many products can be connected to the FYRA detection loop of the TA2000 and TA4000 control units. Indeed, the use of proper modules makes it possible to interface with optical-acoustic devices and linear smoke detectors, besides sensors and call points.



MDGSME, MD4GE and MDLAN optional modules (to be installed inside control panels) allow interfacing GSM/GPRS, LTE and LAN/WAN networks respectively, thus granting the connection to e-Connect platform.

TACÓRA control panels can be configured and their firmware updated with BrowserOne software also remotely via e-Connect service. Their functions can be customized and allow the creation of systems able to meet all requirements. TACÓRA panels can also operate with GLOBALPRO\* supervision software.



TACÓRA central units are not limited to fire detection, but also have an active role in the extinguishing process through certified optional module EXTING.

TACÓRA control units meet the highest security and quality standards. They are CPR 305/2011 (former CPD 89/106/EEC), EN54-2 and EN54-4, EN54-21 (with GSM module) and EN12094-1 (with extinguishing module) certified.












The TACÓRA control units can be integrated into building automation systems with Modbus protocol thanks to the optional ELMOGWAY and ELMOGWAY2 modules.

The graphic display shows the service status at any time. In the event of anomaly or alarm the display colour changes. The keys and LED indicators on the front side allow immediate reading and easy interaction with the control unit.



## Conventional control units

Model	TA1002	TA1004
Product code	ICCTA0101300  / ICCTA0101301 	ICCTA0101400  / ICCTA0101401 
	    <p><b>2 conventional zones</b></p>	 <p><b>4 Conventional zones</b></p>
Conventional zones	2 zones	4 zones
Dedicated conventional call points zone	1	1
Relay outputs	1 relay output for "fault" 1 relay output for "pre-alarm" 2 configurable relay outputs	1 relay output for "fault" 1 relay output for "pre-alarm" 2 configurable relay outputs
Supervised output	1 supervised output for "alarm"	1 supervised output for "alarm"
Display	Multicolor backlit graphic display	Multicolor backlit graphic display
Extinguishing module	Optional extinguishing module mod. EXTING	Optional extinguishing module mod. EXTING
Clock	Clock with batteries for events storing	Clock with batteries for events storing
MINI-DIN	1 x MINI-DIN for configuration via software	1 x MINI-DIN for configuration via software
RS485 serial line	1 x RS485 line for the connection of 2 TAREPEATER remote keypads (optional)	1 x RS485 line for the connection of 2 TAREPEATER remote keypads (optional)
LAN	Optional MDLAN module for Ethernet connection, interface with the e-Connect platform and integration in GLOBALPRO supervision software	
GSM/LTE	MDGSME or MD4GE optional module. It allows to send alarm and status SMS messages and to interface with the e-Connect platform	
Protection grade	IP30	IP30
Dimensions and weight	W 320 x H 304 x D 83 mm / 4 kg (Packed product weight)	W 320 x H 304 x D 83 mm / 4 kg (Packed product weight)
Batteries	2 DC12V 7Ah batteries (not supplied)	2 DC12V 7Ah batteries (not supplied)
Power supply	AC230V – 50/60Hz	AC230V – 50/60Hz
Power supply unit	Mod. AL75LRS29V0 (75 W)	Mod. AL75LRS29V0 (75 W)
Current consumption (DC24V)	30 mA max	40 mA max
Certifications	Certified CPR 305/2011 (ex CPD 89/106/EEC certification) EN 54-2, EN 54-4, EN12094-1 (with optional EXTING extinguishing module), EN 54-21 (with optional MDGSME GSM module)	



### Small size

The conventional systems of the Tacóra line are particularly suitable for installation in small or medium size sites like stores and offices.



### Advantageous

The Tacóra conventional systems guarantee the maximization of the price/performance ratio, offering high performance and security standard with a limited initial investment



### Ease







The systems based on Tacóra conventional control units feature extreme ease of use during both installation and configuration through the provided browser.



### Multi-purpose

You can improve the functionalities of the Tacóra conventional control units by installing the EXTING optional module that integrates command and control of extinguishing systems.

## Hybrid control units

Model	TA2000	TA4000
Product code	ICCTA0101500  / ICCTA0101501 	ICCTA0102400  / ICCTA0102401 
		
	<b>Hybrid configuration</b> 4 x conventional zones expandable to 12 + 1 x Analogue-addressable loop	<b>Hybrid configuration</b> 4 conventional zones + 2 x Analogue-addressable loops
Conventional zones	4 zones	4 zones
Conventional expansion	Up to 12 conventional zones with 1 TAEXP10 board	-
Hybrid expansion: conventional and analogue-addressable	Up to 12 conventional zones with 1 TAEXP10 optional board + 1 x Analogue-addressable loop with 1 loop optional boards (TALOOP for FYRA loop)	4 conventional zones + up to 2 x Analogue-addressable loops with 2 loop optional boards (2 x TALOOP modules for FYRA loop)
Dedicated conventional call points zone	1	1
Relay outputs	1 relay output for fault 1 relay output for pre-alarm 2 configurable relay outputs	1 relay output for fault 1 relay output for pre-alarm 2 configurable relay outputs
Supervised output	1 supervised output for alarm	1 supervised output for alarm
Display	Multicolor backlit graphic display	Multicolor backlit graphic display
Extinguishing module	Optional extinguishing module mod. EXTING	Optional extinguishing module mod. EXTING
Clock	Clock with batteries for events storing	Clock with batteries for events storing
MINI-DIN	1 x MINI-DIN for configuration via software	1 x MINI-DIN for configuration via software
RS485 serial line	1 x RS485 line for the connection of 2 TAREPEATER remote keypads (optional)	1 x RS485 line for the connection of 2 TAREPEATER remote keypads (optional)
LAN	Optional MDLAN module for Ethernet connection, interface with the e-Connect platform and integration in GLOBALPRO supervision software	
GSM/LTE	MDGSME or MD4GE optional module. It allows to send alarm and status SMS messages and to interface with the e-Connect platform	
Protection grade	IP30	IP30
Dimensions and weight	W 390 X H 390 X D 99 mm / 6.2 kg (Packed product weight)	W 500 X H 450 X D 200 mm / 6 kg
Batteries	2 batteries DC12V 18Ah (not supplied)	2 batteries DC12V 26Ah (not supplied)
Power supply	AC230V – 50/60Hz	AC230V – 50/60Hz
Power supply unit	Mod. AL75LRS29V0 (75 W)	Mod. AL100RSP29V0 (100 W)
Current consumption (DC24V)	80 mA max	80 mA max
Certifications	Certified CPR 305/2011 (ex CPD 89/106/EEC certification) EN 54-2, EN 54-4, EN12094-1 (with optional EXTING extinguishing module), EN 54-21 (with optional MDGSME GSM module)	
Versions	Available intrinsically safe version (on conventional zones) for ATEX detection	-



### Large systems

The TA2000 and TA4000 control units are the best solution to build up large size systems, since they allow adding the management of 1 or 2 analogue-addressable loops to the conventional zones.



### Accurate detection

The analogue-addressable systems allow precise identification of the location where a fire has broken out. The devices and the control unit are able to properly communicate to guarantee maximum security thanks to a specific communication protocol.



### Line isolators

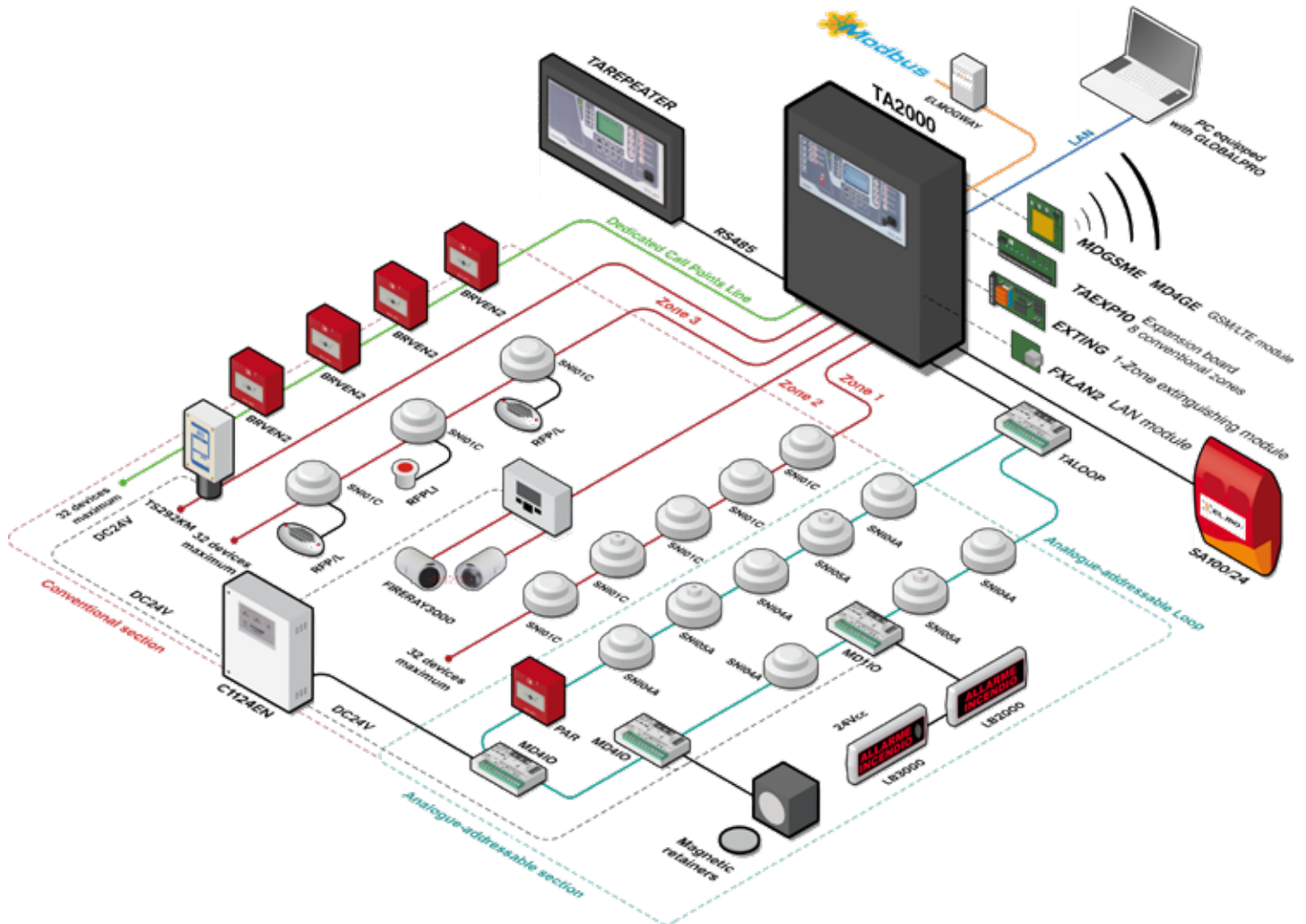
All the devices for FYRA loop feature a built-in line isolator. In this way, in case a short circuit occurs in a specific point along the loop, it is guaranteed that the remaining loop section keeps working properly.



### Full product range

The FYRA loop device series is very wide and it includes detectors, call points, modules and loop sounders

## Functional scheme



## e-Connect







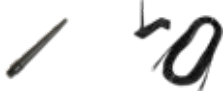















### Web platform for security systems

e-Connect is a centralisation, management and supervision service that integrates, in just one cloud platform, EL.MO. intrusion detection, fire detection and home management systems, with e-Vision® video surveillance systems. With e-Connect service you can:

- Control fire detection system status and send commands for delayed activation mode, reset, silencing, evacuation and GSM service exclusion
- View current faults, memories signalled on control unit and system event log
- Control the status of conventional zones, loop zones, outputs, loops and connected devices, and extinguishing modules
- Manage systems with touch screen icons on maps
- Control lighting, heating and watering systems, and chronothermostats (with EL.MO. intrusion detection units)
- View video surveillance systems cameras
- Benefit from the new InstaVision video verification service
- Receive real time notifications for events
- Manage several systems with just one account



## Compatible products

<b>TAEXP10</b>	<b>TALOOP</b>	<b>TAREL24</b>	<b>TAREPEATER</b>	<b>ELMOGWAY/ELMOGWAY2</b>
				
<p>8 conventional zone expansion module</p>	<p>FYRA loop expansion module</p>	<p>4 relay module</p>	<p>Repeating panel</p>	<p>Interface module with Modbus systems</p>
<b>EXTING</b>	<b>FXLAN2</b>	<b>MDGSME</b>	<b>MD4GE</b>	<b>GSMACI / GSMEXA2 / GSMEXA15 ANT4G / ANT4GEXA2 / ANT4GEXA15 /</b>
				
<p>Extinguishing module</p>	<p>LAN module</p>	<p>GSM module</p>	<p>LTE module</p>	<p>Antennas</p>
<b>SNI01C / SNI02C / SNI03C</b>		<b>BRVEN2</b>	<b>BRVENIP</b>	
				
<p>Conventional detectors (smoke, temperature and combined)</p>		<p>Conventional indoor manual call point</p>	<p>Conventional outdoor manual call point</p>	
<b>SNI04A / SNI05A / SNI06A</b>		<b>Modules</b>	<b>PAR</b>	<b>PAR67</b>
				
<p>Analogue-addressable detectors (smoke, temperature and combined)</p>		<p>FYRA analogue-addressable interface modules</p>	<p>Analogue-addressable indoor manual call point</p>	<p>Analogue-addressable outdoor manual call point</p>
<b>BSOUND</b>	<b>LSOUND</b>	<b>LSOUNDLH</b>	<b>LSOUND65</b>	<b>BSOUNDLH</b>
				
<p>Base sounder for FYRA loop with isolator for SNI analogue detectors. Can be combined with optional COPB white cover</p>	<p>Analogue-addressable acoustic sounder for FYRA loop with isolator</p>	<p>Analogue-addressable acoustic sounder for FYRA loop with isolator and light indication</p>	<p>IP65 analogue-addressable acoustic sounder for FYRA loop with isolator and light indication</p>	<p>Base sounder for FYRA loop with isolator and light. Can be combined with optional COPT transparent cover</p>
<b>PPXALARM05</b>	<b>LB3000</b>	<b>LB2000</b>	<b>SA100/24</b>	<b>RFPLI</b>
				
<p>Plexiglass plaque for sounders. Can be combined with LSOUNDLH and BSOUNDLH</p>	<p>Optical acoustic panel single faced EN54-3 EN54-23</p>	<p>Optical acoustic panel single faced EN54-3</p>	<p>Outdoor siren</p>	<p>Fixed red light flush mount repeater</p>



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