# th408 th424

Fire control
panels

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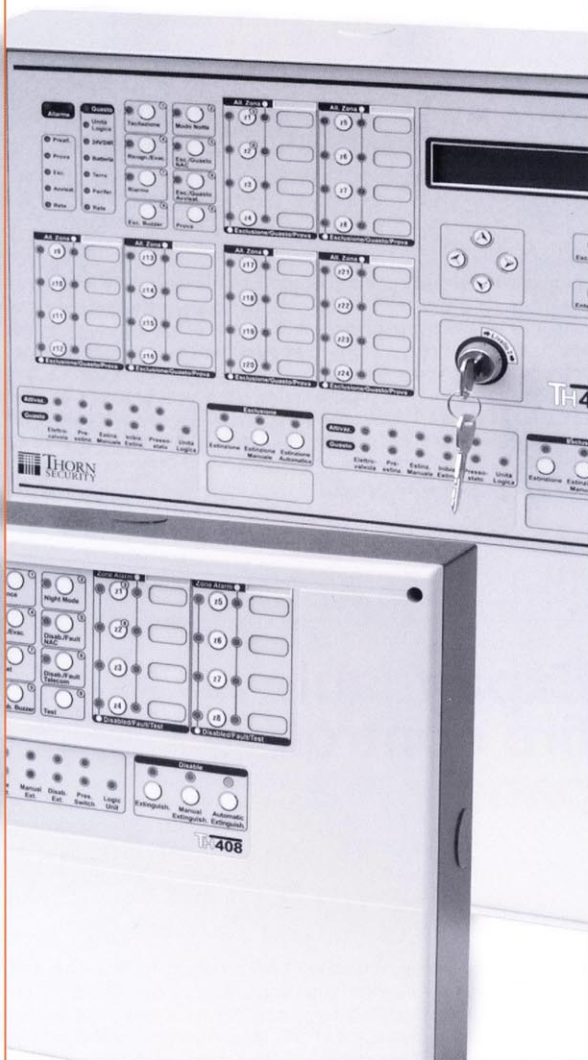
# TH408

## 8 zone fire control panel

Designed and made according to EN54 standards, the TH408 is a microprocessor control panel for small to medium applications. It has 8 zones, each supports up to 21 detectors, for a maximum of 168 detectors. Each detection zone has an alarm-repeat output for selective management in the event of fire. The control panel has supervised, silenceable alarm-outputs for self-powered sirens, piezoelectric sirens, fire bells, flashers, telephone diallers, etc. This easy-to-use control panel is protected by a lockable frontplate which allows operational access to authorized personnel only. The optional Software in Windows™ environment, allows full management of the system, and manages the events memory, files, reset and all the programmable functions provided by the control panel.

# TH424

## Expandable fire control panel

Designed and made according to EN54 standards, the TH424 is a microprocessor control panel for medium and large applications. It has an 8 zone main board that supports two TH400-EXP8 expander boards, for a total of 24 zones and 504 detectors. Each detection zone is equipped with an alarm-repeat output for selective management in the event of fire. The control panel has controlled and silenceable alarm outputs for the control of the self-powered sirens, piezoelectric sirens, fire bells, flashers, telephone diallers, etc. This easy-to-use control panel is protected by a lockable frontplate which allows operational access to authorized personnel only. The TH424 control panel is also available with a backlit display, which shows all the information regarding the control panel status. The optional Software in Windows™ environment, allows full management of the system, and manages the events memory, files, reset and all the programmable functions provided by the control panel.

**TH400-EXP8**
8 zone expander-board

**TH400-EXT**
extinguishment modules

**TH400-LCD**
Display module

**TH400-REP**
Repeater module

## General features
- **EN54 approved**
- Up to 21 devices can be connected to each zone:
  conventional fire detectors, alarm buttons, gas detectors
- Gas zone compatible with 4 – 20 mA gas detectors
- One alarm-repeat output (open collector) for each input zone
- Manual Call Point recognition
- Signals missing detectors
- 2 controlled, silenceable, bypassable 24 V alarm output
  for the activation of piezoelectric sirens, fire bells and flashers
- Free-exchange silenceable fault-warning output for the activation of signalling and auxiliary devices
- Controlled fire output for telephone dialler activation
- Programmable open-collector output
- Free exchange alarm-relay for the activation of auxiliary devices
- Day/Night Mode
- Recognition Time
- Programmable Restoral and Reset times
- Programmable for PC or keypad
- 50 event logger (can be viewed on PC)
- Alarm/fault memory activated until next reset
- Command for silencing sirens
- Command keypad protected by key or code

## TH408-8
- 8 controlled, balanced, bypassable input zones (TH408-2 has 2 zones; TH408-4 has 4 zones)
- Power supply: 230 Vac 10%
- RS485 bus
- 27.6 Vdc 1.5 A switching supply/battery-charger
- Compartment for two 12 V 7 Ah batteries
- Dimensions (W x H x D): 354 x 280 x 100 mm
- Weight (without batteries): max. 4.5 Kg

## TH424
- 8 controlled, balanced, bypassable input zones expandable to 24 by means 2 of 8 zone expanders
- Optional backlit display
- RS485 bus
- Power supply: 230 Vac 10%
- 27.6 Vdc 2.5 A switching supply/battery-charger
- Compartment for two 12 V 17 Ah batteries
- Dimensions (W x H x D): 422 x 502 x 116 mm
- Weight (without batteries): max. 8.5 Kg

**TH400-SW**
Management software

## TH400-EXT: Extinguishment module with microprocessor control
- Output for electro-valves controlled by comparison (AND/OR)
  between the status of the control panel zones
- Programmable extinguishment delay
- Outputs for the signals: extinguishment delay, extinguishment and released
- Input for the forced activation of the extinguishment devices - Input
  for the connection of the pressure switch
- Fault signalling on pressure-switch supply line
- Fault signalling on input lines
- Inhibition of extinguishment devices in the event of false alarm
- Manual, automatic and out-of-service buttons power station

## TH400-REP: Repeater panel (only for J408-8 and J424)
- 4 wire connection to the panel (power supply included)
- The repeater panel may be installed up to 1.000 m from the control panel
- Displays all audible and visual signalling
- Control panel management
- Dimensions: 280 x 320 x 40 mm
- Weight: 2.260 Kg



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