

C.I.E. MD2400/16E GENERATION 3 ANALOGUE, ADDRESSABLE FIRE ALARM CONTROL PANEL

DATASHEET



- Modular C.I.E. with a maximum capacity of 16 loops
- Maximum 126 addresses per loop
- Dimensions housing (H x W x D) article 245160XP4: 1200 x 800 x 300 mm
- Dimensions housing (H x W x D) article 245160XP4B: (1200+600) x 800 x 300 mm



EN54-13 CERTIFICATE : MD2400/MD2400L: B-9072-FD-954

TECHNICAL DATA

Materials	Steel plate finished with epoxy lacquer
IP rating	IP66
Batteries & type	<ul style="list-style-type: none"> • Maximum 2x 12V 65Ah – Genesis
Mains power supply	230Vac 50Hz
Built-in power supply	36Vdc/8,9A (tuned to 32Vdc)
Quiescent current @24Vdc	<ul style="list-style-type: none"> • Current consumption with 1 loop card: 120mA • current consumption with 1 high-power loop card: 170mA
Maximum standby consumption (Imax A)	4A@27Vdc
Maximum consumption in alarm (Imax B)	4A@27Vdc
Maximum charge monitored outputs	25 ROSHNI RoLP sounders per output
Communication buses	<ul style="list-style-type: none"> • RS485 net bus • RS485 I/O bus • RS485 Token bus • RS485 EAM bus (communication with graphical software + Universal UDP interface) • USB C poort (connection with PC)

Changes can be made without prior notice



DESCRIPTION

The C.I.E. MD2400, analogue addressable fire detection and fire warning control panel for buildings, has been designed in accordance with European Standards EN54-2:1997/A1:2006 and EN54-4:1997/A1:2002/A2:2006.

The C.I.E. MD2400/16E has a maximum capacity of 16 loops. A maximum of 126 addressable components can be connected to each loop. Communication with the connected components is based on the XP95 digital protocol.

The C.I.E. MD2400 needs to be equipped with the required MD2400 loop interface cards:

- Art. 243200: MD2400 loop interface card XP95 – max. load 100mA
- Art. 243203: MD2400 high power loop interface card XP95 – max. load 500mA

The C.I.E. MD2400 is decentralised and composed of at least one MD2400 LCD operator console/repeater panel with capacitive touch screen, which is connected by means of an RS485 I/O bus to the central processing unit (black-box). The central processing unit is mounted in a steel plate housing with a closed door and includes the main processor board, the relay card and the basic power supply of the system.

The C.I.E. MD2400 is equipped with a relay card with 16 relays, including 2 monitored outputs, 1 Fail-safe relay for “General Fault”, 1 relay for “Fault Power Supply” and 12 programmable relays with potential free change-over contacts

The RS485 I/O bus allows to extend the C.I.E. MD2400 with additional MD2400 LCD operator consoles/repeater panels with capacitive touch screens and/or relay cards.

By means of the MD2400 Token-ring network, up to 32 C.I.E. MD2400 and/or MD2400L can be connected in network.

The programming of the C.I.E. is done using the MD2400 configuration software generation 3 with accompanying licence.