

C.I.E. MD2400/4E ANALOGUE, ADDRESSABLE FIRE ALARM CONTROL PANEL

DATASHEET



- Modular C.I.E. with a maximum capacity of 4 loops
- Maximum 126 addresses per loop
- Dimensions housing (H x W x D) article 244040XP1: 600 x 600 x 200 mm
- Dimensions housing (H x W x D) article 244040XP2: 800 x 600 x 250 mm
- Dimensions housing (H x W x D) article 244040XP2A: (800+400) x 600 x 250 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"> • Art. 244040XP1: max. 2x 12V 17Ah – Genesis • Art. 244040XP2: max. 2x 12V 24Ah – Genesis • Art. 244040XP2A: max. 2x 12V 65Ah – Genesis
Mains power supply	230Vac 50Hz
Built-in power supply	27V 5A+3,8A
Quiescent current	<ul style="list-style-type: none"> • Current consumption with 1 loop card: 185mA • current consumption with 1 high-power loop card: 215mA
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 • RS232 bus (communication with PC) • RS485 EAM bus (communication with graphical software)

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. MD2400/4e has a maximum capacity of 4 loops. A maximum of 126 addressable components can be connected to each loop. Communication with the connected fire detectors 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
- Art. 243200_10S: MD2400 loop interface card XP95 for flame detectors – max. load 100mA

The C.I.E. MD2400 is decentralised and composed of at least one MD2400 redundant operator console, 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 operator consoles, repeater panels 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 licenced configuration software.