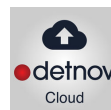# CAD-150-2-MB

2-loop addressable control panel with metal box

Description

The CAD-150-2-MB addressable control panel is certified by the EN 54-2, EN 54-4 and EN 54-13 standards, covering all requirements for fire alarm installations.

This control panel model cannot be upgraded; it features 2 standard detection loops to control up to 250 devices per loop, with no limitations on the number of detectors, manual call points, sounders and modules that can be installed in the loop (1).

The loop devices and control panel communicate and are powered via 2 wires, with the wire connection in the loop supporting non-polarity when using the devices without a built-in isolator (2).

There is a relay output for the alarm status and another for the fault status, 2 monitored sounder outputs and a 24V auxiliary power output.

An information display with menus and sub-menus that can be easily browsed using the keyboard.

The control panel features self-search and self-diagnosis functions for commissioning of the installation, reducing the works execution costs, as well as software that can be used to identify the loop devices with names, assign them to their corresponding zones and create operations between the detection system's input and output devices.

The CAD-150-2-MB control panel can be connected to Detnov network using TRED- 150 and TMB-151 (for F-Networks) or TMB-251 (for S-Networks) communication cards. The network can have up to 32 nodes (control panels or repeaters). Fibre optic connection is optional. Optional integration with other systems via the Modbus protocol.

Compatible with Detnov Cloud for remote control and monitoring via smart phones or a computer; cloud-based platform.

Compatible with SGD-151 graphical software for control and monitoring from a computer.

Characteristics

- Self-search, self-diagnosis and auto-addressing functions
- Log up to 6,000 events
- Up to 250 detection zones
- 250 polarity-free devices per loop (2)
- Up to 50 sounders per loop (1)
- Compatible with Detnov Cloud
- Compatible with SGD-151 graphics software
- Free configuration and monitoring software
- Up to 32 control panels in a network (F-Network and S-Network)

Applications

The Detnov CAD-150 range of addressable fire alarm systems provides the ideal solution for all requirements in medium and large-sized facilities. Thanks to their performance, straightforward installation and excellent value for money, they are the perfect solution for protecting areas requiring up to 2,000 detection devices per control panel, reaching up to 64,000 detection devices in network systems. Suitable for the installations of: Malls and department stores, university campus, industry, hospitals, etc.

Technical Features

Control panel	
Supply voltage:	90-264 Vac 150W
Battery capacity:	2 x 7.5 Ah.
Loops:	
Maximum number of devices:	250 per loop
Maximum load:	400 mA
Maximum loop length:	2 km
Maximum cable resistance:	44 ohms
Maximum cable capacity:	500 nF/km
Sounder outputs:	
Maximum load:	500 mA per output
Delay setting:	Software
Potential-free relay outputs	10 A to 30 Vdc
24V auxiliary output:	500 mA
Environment	
Operating temperature:	-5ºC to 40ºC
Relative humidity:	95%, non-condensing
IP rating:	IP30
Physical characteristics:	
Dimensions:	460 mm x 360 mm x 120 mm
Weight (without batteries):	7.65 kg
Certification	
EN 54-2, EN 54-4 and EN 54-13	
Certificate No.:	0370-CPR-1416

(1) Use the Loop Calculator tool to check the maximum number of devices and loop length, in accordance with the cross-section of the cable used.
(2) Correct polarity is required when using devices with a built-in isolator.

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