Sistema Analógico

CAD-150-1
CAD-150-1 Mini
CAD-150-2

One and Two Loop Control Panels

detnov Cloud

Description

Detnov's range of Addressable control panels has been approved according to EN54-2, EN54-4 and EN54-13 regulations to cover all the requirements of small and medium installations.

This range of fire control panels is made up 2 models and it offers 1 and 2 loop models. Each loop may control up ti 250 elements (1) and a limitless number of detectors, manual call points, sounders and modules can be installed in the loop (2).

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 (3).

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-150-1 and CAD-150-2 fire control panels 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; cloudbased platform.

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

Features

- Self-search, self-diagnosis and auto-addressing functions
- Double address detection
- Log up to 6.000 events
- Up to 250 detection zones
- 20 zones indications
- 250 polarity-free devices per loop (3)
- Up to 50 sounders per loop (2)
- Alarm and fault relays
- Two supervised sounder outputs
- 24V auxiliary output
- Day and night configuration
- Detector sensitivity configuration
- Compatible with Detnov Cloud
- Compatible with SGD-151 graphics software
- Free configuration and monitoring software
- Configuration USB plug
- Up to 32 control panels in a network (F-Network and S-Network)

Applications

DETNOV's range of Adressable fire control panels, CAD-150-1 and CAD-150-2, are ideal products to cover all the requirements of small and medium installations. Thanks to their features, these fire control panels are simple to install and have an excellent quality-price relationship, making them ideal products for protected areas in which up to 500 detection points are required for each fire control panel, with up to 16.000 detection points in networked systems. Their typical applications are: shopping malls, schools, industries, car parks, etc.

Technical features

Panel		
	Power supply:	90-264VAC 50/60 Hz
	Quiescent current: CAD-150-1 / CAD-150-1 Mini: CAD-150-2:	 165 mA @ 24 VDC @ 20ºC 225 mA @ 24 VDC @ 20ºC
	Battery capacity:	2 x 7.5Ah
	Loop: Maximum quantity of devices: Maximum load: Maximum loop length: Maximum cable resistance: Maximum cable capacity:	 250 400 mA 2 km 44 Ω 500 nF/km
	Soounder output: Maximum load: Delay configuration:	 500 mA per output By software
	Free contact relay output:	10A a 30VCC
	24V auxiliary output:	500 mA
Environment		
	Operating temperature:	From -5ºC to +50ºC
	Relative humidity:	95% without condensation
	IP Index:	IP30
Physical features:		
	Size:	443 mm x 268 mm x 109 mm
	Weight (without batteries):	1,9 kg
Approvals:		
	EN 54-2, EN 54-4 and EN 54-13	
	Certificate number:	0370-CPR-0994 PR-1810-064_ES

(1) Available CAD-150-1 Mini up to 100 devices

(2) Use the "System Calculation" tool to check the maximum number of devices and loop length, in accordance with the cross-section of the cable used.

(3) Correct polarity is required when using devices with a built-in isolator.

Dimensions