



CAD-151-1 Mini

CAD-151-1

CAD-151-2

One and Two Loop Control Panels

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 to 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-151 fire control panels series can be connected to Detnov network using TMB-251-CAN 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
- Doesn't require a shielded loop
- 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
- Features power board.
- Loop impedance measurement.
- Loop +
- Power link

Technical features

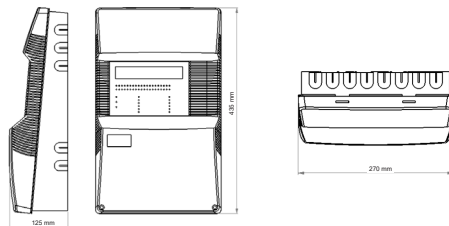
Panel		
Power supply:	110-230VAC 50/60 Hz	
Quiescent current: CAD-150-1 / CAD-150-1 Mini: CAD-150-2:	165 mA @ 24 VDC @ 20°C 180 mA @ 24 VDC @ 20°C	
Battery capacity:	2 x 7.5Ah o 2 x 12Ah	
Loop:	Maximum quantity of devices:	250
	Maximum load:	750 mA
	Maximum loop length:	2 km
	Maximum cable resistance:	52 Ω
	Maximum cable capacity:	500 nF/km
Soounder output:	Maximum load:	2x 500 mA per output
	Delay configuration:	By software
Free contact relay output:	2A a 30VCC	
24V auxiliary output:	500 mA	
Wiring		
	Twisted and/or shielded	
Environment		
Operating temperature:	From -5°C a 40°C	
Relative humidity:	95% without condensation	
IP Index:	IP30	
Physical features:		
Size:	270 mm x 435mm x 125 mm	
Weight (without batteries):	1,9 kg	
Approvals:		
	EN 54-2, EN 54-4 y EN 54-13	
	Certificate number:	0370-CPR-7388

(1) Available CAD-151-1 Mini up to 100 devices

(2) Use the "System Calculation CAD-151" 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



Accessories



TMB-251-CAN

Communication card for CAD-151 series addressable control panels.



TED-151-IPE-CAN

Communication card with RS485 port and TCP/IP port for CAD-151 control panels.



TED-151-CL-CAN

TCP/IP communication card for CAD-151 series addressable control panels