



CAD-150-4

CAD-150-8

CAD-150-8 PLUS

Four and Eight Loop Control Panels

Description

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

This range of fire control panels is made up of 3 models, and it offers 4 and 8 loop models. Each loop may control up to 250 elements, and a limitless number of detectors and modules can be installed. The communication and power supply between the loop elements and the fire control panel is carried out through 2 wires. The element connection supports non-polarity.

The features common to the range include two relay outputs on the panel for the alarm state and the fault state, two supervised sounder outputs and a permanent 24V auxiliary power supply output. It also has the option to connect an optional communication card to enable the system to be remotely controlled and integrated with other systems.

Fire control panels have a keyboard that lets you choose and personalize the language required, and a 240x128 graphic display that presents all the needed information through menus and sub-menus with easy browsing using the control keyboard. They also have a system status LED and 40 LEDs for displaying the fire state and fault state of the different fire zones.

If the main microprocessor in the motherboard gets damaged ("System Failure" led is then on), each redundant microprocessor placed every two loops takes the control of their associated two loops, sending, in case of fire alarm, a message to the control panel of 1) fire alarm, 2) buzzer activation, 3) activation of the sounders in the control panel.

The fire control panel has an auto-search option, which facilitates the commissioning of the system by reducing execution costs. The intuitive software let you name the loop elements, assign elements to the zones, and create event-action pairs in the system's inputs and outputs.

CAD-150-4 and CAD-150-8 fire control panels may be installed on the network with other fire control panels and DETNOV repeaters. The networked system may reach up to 32 nodes.

Features

- Auto-search function
- Auto-check function
- Double address detection
- Up to 4.000 events log register
- Quick access keys for browsing
- Up to 250 zones per software
- 40 zone indications
- 250 elements per loop without any polarity
- Up to 50 sounders per loop
- Alarm and fault relays
- Two supervised sounder outputs
- 24V auxiliary output
- Day and night configuration
- Detector sensitivity configuration
- Configuration software
- USB port for configuration
- Installation on network
- EN54-2 and EN54-4 approved

Applications

DETNOV's range of Adressable fire control panels, CAD-150-4, CAD-150-8 and CAD-150-8 PLUS, 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 2.000 detection points are required for each fire control panel, with up to 64.000 detection points in networked systems. Their typical applications are: shopping malls, schools, industries, car parks, etc.

Technical features

Control Panel	
Power supply:	90 - 264VAC 150W
Quiescent current:	
CAD-150-4:	310 mA @ 24 VDC @ 20 °C
CAD-150-8:	510 mA @ 24 VDC @ 20 °C
Battery capacity:	2 x 7.5Ah, 2 x 17Ah, 2 x 24Ah
Loop:	
Maximum quantity of elements:	250
Maximum load:	400 mA
Maximum loop length:	2 Km
Maximum cable resistance:	44 Ohm
Maximum cable capacity:	500 nF/Km
Sounder output:	
Maximum load:	500 mA per output
Delay configuration:	Software
Free contact relay output:	10A to 30VCC
24V auxiliary output:	500 mA
Environment	
Operating temperature:	From -5°C to +40°C
Relative humidity:	95% without condensation
IP Index:	IP30
Physical features	
CAD-150-4 Size:	460 mm x 360 mm x 120 mm
CAD-150-8 Size:	525 mm x 450 mm x 120 mm
CAD-150-8 PLUS Size:	525 mm x 450 mm x 200 mm
CAD-150-4 Weight (without batteries):	7,650 Kg
CAD-150-8 Weight (without batteries):	9,650 Kg
CAD-150-8 PLUS Weight (without batteries):	11,100 Kg
Approvals	
EN54-2 and EN54-4	
Certificate number:	0370-CPD-1416

Dimensions

