



CCD-103

Extinguishing control panel
for 1 risk (3 detection zones)

Description

The CCD-103 extinguishing control panel of Detnov is a compact solution for a detection and extinction system. It has been certified according to the standards EN 12094-1, EN 54-2 and EN 54-4. The CCD-103 control panel consists of 2 blocks: one detection block and one extinguishing block.

The detection block has 3 conventional zones and has been designed in base to the characteristics of our range of conventional CCD-100 control panels.

The extinguishing block consists of the functions of a risk extinguishing system. It includes control of the activation of the bottle and the indicator light, as well as manual control of the extinguishing process. It also allows the monitoring of the extinguishing bottle and indicates the status of the extinguishing process by means of two sounder outputs. Control of the area is ensured by monitoring the enclosure door and ventilation control.

The front panel of the control panel has a clear user interface, with system status indicators, a countdown display up to extinguishing activation and two selectors per key switch for operating mode and locking.

The CCD-103 offers the possibility of connecting optional relay cards, sounder cards and/or a communication card that allows the integration of the control panel in CAD-150 addressable system of Detnov.

The configuration of the control panel can be done from the keyboard or through the configuration software SWD-103, and the customization of the control panel operation in an easy and fully flexible way.

The configuration software also allows the acquisition of the history of the events recorded by the control panel.

Features

- 3 conventional detection zones and a risk of extinction
- 1 monitored sounder output
- PCB sounder delay configuration
- Bottle activation output and indicator light activation output
- 2 inputs for monitoring the bottle, pressure and flow
- Manual call points inputs: activate, abort and stop extinguishing
- 2 sounder outputs for the two possible states of the extinguishing process
- Configurable extinguishing activation delay
- Extinguishing block operating modes: manual, automatic and canceled
- 2 inputs for enclosure monitoring: door and ventilation
- 500 event history log
- Multilingual keyboard
- Optional card for integration into the loop of Detnov's CAD-150 addressable system
- Configuración software

Applications

The CCD-103 central detection system combines the functionality of a conventional detection centre with the added performance required to operate the fire extinguishing system, whose purpose is to extinguish the fire as effectively as possible. The method of actuation from the centre can be automatic through the detectors that are connected to the detection zones or manually through the trigger buttons.

Technical features

Control panel	
Power supply:	90-264VAC 50/60 Hz
Battery capacity:	2 x 7.5 Ah
Zones:	3 zonas y 1 riesgo
Max. alarm current consumption:	82 mA
Max. quiescent current consumption:	3.5 mA
Max. devices per zone:	32 detectors / 10 MCP
Max. cable resistance per zone:	44 Ω
Sounder outputs:	
Maximum load:	450 mA per output
Delay selectable on board:	0 - 10 minutes
Free contact relay outputs:	10A to 30VCC
24V auxiliary output:	450 mA
Extinguishing block	
Sounder, bottle , 2ST and 1ST outputs:	
Standby output voltage:	Between -5VCC and -9VCC
Output voltage activated:	Min. 18VCC Max. 29VCC
Maximum output current:	450 mA
Ventilation relay outputs:	
Voltage free relay:	1 relay with contacts C, NO, NC
Contact rating:	10A to 30VCC
Environment	
Operating temperature:	From -5°C to +40°C
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 12094-1	
Certificate number:	0370-CPR-1868

Dimensions

