



CCD-103

Extinguishing Control Panel

Description

The CCD-103 fire control and Extinguishing control panel is a compact solution for a detection and extinction system. It has been certified according to EN12094/1 and EN54 parts 2 and 4 in order to meet all the requirements of small and medium installations. The CCD-103 consists of two blocks, one detection bloc and one extinction block.

The detection block has been designed on the bases of the features of our range of Conventional Panels CCD-100.

The extinction block is composed of all the functions required in a one risk extinction system. It allows controlling the activation of the extinction bottle and also the warning sign. The three Manual Call Points characteristic of the extinction process: Start, Stop and hold, together with a manual system integrated in the own panel provide to the CCD-103 a manual control of the extinction process.

A flow and pressure indicators provides a monitoring facility for the extinction bottle, and the two possible states of the extinction process, pre-activated or activated, are indicated by means of the two corresponding sounder outputs. the control over the area is guaranteed through the surveillance of the area's door together with the fan control.

The frontal panel presents a clear interface, with LED indicators for the operation status, a countdown timer that shows the time remaining until the extinguishing agent is discharged, two Key-operated selector switches, one for the selection of the extinction working mode, and the other for the keypad lock. The Conventional Extinguishing Panel CCD-103 also offers the possibility to connect optional cards such as relay cards, supervised sounders and /or a communication card that allow the Integration of the panel in any Detnov's Analog System.

The configuration of the panel can be performed through its own keypad, or through the configuration software, and allow the user to customize the functionality of the system in a simple and flexible way.

The configuration software of the CCD-103 allows also the possibility to obtain the history of events recorded by the panel.

Features

- Three conventional detection zones and one extinction risk
- Free contact alarm relay output
- Free contact fault relay output
- 1 supervised sounder output
- Sounder delay configuration on board
- 24 auxiliary output
- Configurable external input.
- One output for the activation of the bottle and one for the warning sign activation.
- Two inputs for the bottle surveillance: one for the pressure and one for the flow.
- TThree MCP inputs: start, stop and hold for the manual control of the extinction process.
- Manual Release Gas Extinguishing System integrated on panel.
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- Manual Release Gas Extinguishing System integrated on panel.
- Two sounder outputs for the indication of the two possible states of the extinction process, pre-activated and activated.
- Countdown timer display that shows time remaining until release.
- Configurable extinguishing delay on board.
- Working modes for the extinction block: Manual, automatic and disabled.
- Two inputs for the area's surveillance: one for the door and one for the fan.
- Event History register.
- ABS plastic case which can be fitted into the wall
- Optional supervised sounder card and optional free contact relay card.
- Optional communication card that allows the integration of the panel in an Analogic system.
- Configuration Software.

Applications

The Conventional Extinction panel CCD 103 is a suitable product to meet all the requirements of small and medium installations where it is desired to control an extinction risk. Thanks to its simplicity of installation and excellent quality-price ratio, these fire control panels are ideal for protecting installations where it is required a protection without collateral damage produced by the extinguishing agent, such as informatics rooms, Electrical switchboards rooms, generators, art galleries, etc.

Technical Features

Control panel		
Power supply:	90-264VAC 65W	
Battery capacity:	2x2.3Ah/2x7.5Ah	
Detection block		
Zones:	3 zones and 1 risk	
Max. Alarm current consumption	82 mA	
Max. Quiescent current consumption:	3.5 mA	
Max. Cable resistance per zone:	44 Ohms	
Sounder outputs:		
Maximum load:	450 mA /output	
Delay selectable on board:	0 -10 minutes	
Free contact relay outputs	10 A a 30VdC	
24 auxiliary output:	450 mA	
Extinguishing Block		
Features sounder , Bottle , 2ST and 1ST outputs		
Standby output voltage	Between -5Vdc and -9Vdc	
Output voltage on	Min 18Vdc Max 29 Vdc	
Maximum output current	450 mA	
Ventilation relay		
Voltage free relay	1 relay with contacts C, NA, NC	
Contact rating	2A a 30 Vdc	
Environmental Features		
Working temperature	Between -5 °C to 40 °C	
Relative humidity	Maximum 95% no /condensing	
Protection index	IP30	
Mechanical Features		
Dimensions (height-width-depth)	443x268x109	
Dimensions with packaging	480x310x200	
Weight	1.9 kg	
Approvals		
EN 54-2, EN 54-4 y EN12094/1		
Certificate Number	0370-CPR-1880	

*The maximum consumption between the sounder (detection block) and the two sounder outputs that signalize the two states of the extinguishing process has to be inferior to 750 mA..

Dimensions

