



EXTINGUISHING PANELS

EXTINGUISHING CONTROL PANEL

PRODUCT CODE

TEC04701



EXTINGUISHANT CONTROL PANEL

FEATURES

- Membrane facia with tactile switch
- Slimline cabinet
- Cable entry punch outs
- Microprocessor based
- Lightning protection
- RS485 communications port
- Monitored outputs
- Fault identification code
- Door monitoring alarm

DESCRIPTION

This panel controls the automatic release of a fire extinguishant. Two separate fire alarm signals are required to initiate the release sequence. The automatic release may be switched to manual release mode via a keyswitch on the panel. A yellow manual release mechanism is housed on the panel facia.

Visual alarm, audible alarm and gas discharge outputs are monitored for short and open circuit fault. The two fire alarm inputs are also monitored. These circuits are provided with lightning protection. Repeater panels can be connected via the RS485 communications port. The first fire signal received will activate a 24 V DC bell contact, the second fire signal will activate the two initiate outputs and after a 30 or 60 second delay, the discharge output.

The Door Contact status is an additional safety feature: when enabled, it will activate an alarm contact when the panel is switched to automatic release mode while a monitored door contact is open, or when the panel is switched to manual mode while the monitored door contact is closed. Personnel entering a protected area should not leave the panel in automatic release mode and personnel leaving the area should not leave the panel in the manual release mode.

The panel housing is manufactured in extremely durable 1.2 mm thick powder coated sheet metal.





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SPECIFICATIONS

INPUTS

Supply Voltage -	24 V DC
Door Contact	Monitors the state of a door leading to the protected area
Hold	Used to hold off on the automatic discharge, if so desired
Knock 1	EOL @ 3k3 Ohm, activation resistor @ 680 Ohm
Knock 2	EOL @ 3k3 Ohm, activation resistor @ 680 Ohm

POWERED OUTPUTS

24+ CH/O (on 1st Knock)	24 V DC
Bell (on 1st Knock)	24 V DC
Initiate (on 2nd Knock)	24 V
Discharge	24 V DC, 1 A fused (24 V DC is on temporarily for either 5 seconds or 5 minutes – depending on link P14 setting)

POTENTIAL FREE OUTPUTS

Initiate	1x potential free changeover contact
Discharge	1x potential free changeover contact
Auto/Man	2x potential free changeover contact
Fault	1x potential free changeover contact

REPEATER OUTPUTS

Repeater	RS485 Comms
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DIMENSIONS

L x H x D (mm)	250 x 180 x 90 (incl. MCP)
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CURRENT CONSUMPTION

From External Power Supply	Quiescent current in Auto mode 40.2 mA Quiescent current in Manual mode 58 mA
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ORDERING INFORMATION

Product Code	Product Description
TEC04701	Extinguishant Control Panel
TEC04701-W	Weatherproof Extinguishant Control Panel

PERIPHERAL DEVICES

Product Code	Product Description
TEC04701-RA	Active Extinguishant Repeater Panel c/w MCP
TEC04701-RP	Passive Extinguishant Repeater Panel
TEC057B	Extinguishant Release Test & Interface Unit
TEC057-01	Extinguishant Release Interface

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