GST301

Conventional Extinguishing Control Panel

General

The GST301 is a stand-alone CIE (Control and Indicating Equipment) intended for use as a single area extinguishing system controller. The function of the panel is to monitor 2 extinguishing zones for alarm condition and provide the appropriate audible/visible indication and controls. Initiating of extinguishing agents are possible both manually or automatically.

Installation

The GST301 CIE is designed for wall mounting. It's compact design includes a power supply and battery charger, with room for standby batteries inside the panel housing.



Details

- 3 Detection zones, 2 for extinguishing and 1 for standard zone protection
- 2 Extinguishing zones for double knock (coincidence) detection
- Automatic and manual extinguishing control possible
- Numerical 7-segment countdown timer indication
- Configurable discharge release delay time
- Fully supervised extinguishing circuits
- Two phase evacuation sounders
- Day/Night mode selectable
- Configurable extinguishing output
- Built-in power supply and battery charger
- Space for batteries inside the panel cabinet

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Technical specifications

General

Status indicaton	7-Segment display and LEDs
Compatibility	GST DC-9000E series conventional detectors
Maximum system capacity (device count)	up to 96

Electrical

Power supply type	220/230 VAC
Power consumption	≤20 W (Quiescent)
Operating voltage	230 VAC, 50/60 Hz 27 VAC
Current consumption	<1 A

Zone

Maximum zone capacity	up to 3
Operating voltage	24 VDC
Quantity of devices per zone	15 detectors / 32 MCPs
Cable rating	1.5 mm² (1000 m max)

Input

Input quantity	2
Input type and rating	Extinguishing override, Pressure switch
Termination	Input specific

Output

Output quantity	6
Fire alarm signalling	1, NO/NC
Fault signalling	1, NO/NC
Notification	2, 300 mA @ 24 VDC
Auxilliary power	<100 mA @ 24 VDC
Programmable	Yes
Termination	4.7 kΩ
Agent release	1, <2 A @ 24, Single pulse

Standby battery

Capacity	7 Ah
Charging	300 mA
Batteries supported in housing	2 x 12 VDC

Physical

Form factor	Small
Physical dimensions	300 x 350 x 110 mm (W x H x D)
Colour	Beige
Mounting type	Surface mount, Wall mount
Cable entries	5
Material	Metal

Environmental

Vandal proof	No
Operating temperature	0 to 40°C
Relative humidity	0 to 95% noncondensing
Environment	Indoor

Compatible products

Category	Reference	Description
Detection device	C-9317	Extinguishing Override Control

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