

FOT Extinguishing Panel

EN12094-1 EN54-2/4

Description

FOT is an extinguishing conventional fire control panel. The panel is designed for using together with systems for gas, powder, aerosol, water and other types of active extinguishing.

The panel is divided into two operation sections: *extinguishing* and *fire*. FOT has 3 wire zones - 2 for activation of automatic fire detectors and 1 conventional fire zone. Automatic and manual operation modes (selectable via 3 positional key lock) and a special button for manual realize of the extinguishing process.

The panel is designed for operation with solenoids, press stats and other kind of actuators.

Optional LOG module for reviewing of recorded memory events.

FOT extinguishing control panel is designed according to EN12094-1 and EN54-2/4 standards.



Technical Specifications

Main Power Supply	Switching 110-230V AC $\pm 10\%$; 4A fuse
Frequency	50/ 60Hz
Back-up Power Supply	2 x 12V/ 7Ah
Maximum charging current for the battery.	0.3A
Battery high resistance Ri	< 0.45 Ω
Maximum current available for system devices	0.7A
<i>(with fully charged battery)</i>	
Current consumption – mains failure	0.5mA
Fixed zones	3
Thresholds for zone conditions:	
Open circuit fault condition	0-2mA
Normal condition	2-10mA
Fire Alarm condition	10-110mA
Short circuit Short circuit condition	over 110mA
Detectors per zone.	32
Multi language slide-in inscription strips	YES
Operating temperature	-5 $^{\circ}$ C to +40 $^{\circ}$ C
Relative humidity resistance	(93 \pm 3)% @ 40 $^{\circ}$ C
Dimensions of the metal box.	324x314x82mm

Inputs Specifications

- 2 Conventional Extinguish Zones
- ⌋ 1 Conventional Fire Alarm Zone
- ⌋ Low Pressure input - supervised
- ⌋ Manual release input - supervised
- Mode select input – supervised - changes between Manual and Automatic mode
- Hold input – supervised
- ⌋ Enable/Disable – supervised
- ⌋ Flow Control - supervised

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Outputs Specifications

- 1 sounder 300mA, supervised, Stage 1
- 1 sounder 300mA, supervised, Stage 2
- Stage 1 relay (NC, COM, NO) - 5 to 30VDC 1A
- Stage 2 relay (NC, COM, NO)- 5 to 30VDC 1A
- Fault relay(nc,com,no) - 5 to 30VDC 1A
- Extinguish output (EN 12094-1), supervised - 1A 5min/3A 20mS
- OC1 - in case of Hold Activation - open collector type
- OC2 - in case of extinguish disable - open collector type
- OC3 - in case of low pressure - open collector type
- OC4 - in case of manual mode active - open collector type
- AUX (28V), 300mA
- GND

Controls and Indications



- 1 - LED indication for the zones status - FIRE and FAULT
- 2 - LED indication for the status of the panel
- 3 - LED indication for the extinguishing process
- 4 - Three position key lock for operation mode selection
- 5 - Manual release button
- 6 - Functional buttons
- 7 - Two position key lock for access level selection
- 8 - LED display for counting of remaining time in stage 2
- 9 - Optional LOG module

Compatible Product Range

- SensoFOT Series - Conventional detectors
- SF105, SF110, SF200, SF300 - Conventional sounders