

Description

FD9000 conventional extinguishing system fire alarm control panel designed to operate with active extinguishing system such as GAS, POWDER, AEROSOL, WATER and all active extinguishing system.

FD9000 has 3 areas on board, the first two areas on which up to 32 fire sensors are installed, based on the activation generate warning signal or extinguishing system, the third area is used for example for the connection of buttons.

Each fire line can connect up to 32 sensors.

All the information of the fire alarm control panel is displayed on 2x16 LCD display and on LED.

The fire alarm control panel is designed for the extinguishing system of an area and can operate with solenoids, pressure switches and any other type of actuator.

Each line of sensors has 5 programmable parameters, this means that it can manage any conventional sensor.

The flash memory and the real time clock allow the storage of 1600 events.



Technical parameters

Areas

Fixed extinguishing system areas	2
Fire alarm areas	1
Max number of detectors per area	32
Type of connection	2 fili
Maximum resistance	100Hom

Electrical current thresholds

Line cutting	From 1 to 12mA	programmable
Balanced	From 2 to 60mA	programmable
Fire	From 12 to 99mA	programmable
Short circuit	>100mA	programmable

Balanced supervised inputs

Manual release input	1 NO	
Hold input	1 NO, NC	programmable
Input" LOW PRESS"	1 NO, NC	programmable
Mode select input	1 NO	
Extinguishing system enable disable	1 NO	

Power outputs

S1(sounder1)-monitored	Power relay	24VDC/0,5A
S2(sounder2)- monitored	Power relay	24VDC/0,5A
EXT(extinguishing system, EN12094-1)-monitored	Power relay	24VDC/1,5A 15min 24VDC/3A 100ms

Relay outputs

Relay outputs not monitored	2 potential free NO	3A/125V AC 3A/30V DC
Damage relay outputs	1 potential free, switching NO/NC	3A/125V AC 3A/30V DC
Fire relay outputs	1 switching NO/NC	3A/125V AC 3A/30V DC

Open collector not monitored

Open collector outputs(OK1,OK2,OK3,OK4)	30mA
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Electrical characteristics

Voltage	110-252V AC	
Frequency	50/60Hz	
Maximum absorbed power	55W/AC	
Stand by consumption	15mA7230V AC	
Batteries	2 x 12V DC 4,5Ah	
Internal battery resistance	Ri:<0,3Hom	
Charge voltage	27,4VDC	Compensated temperature
Sizes	310x240x90mm	
Weight without battery	1,3Kg	
Degree of protection	IP30 EN60529	
Relative humidity	Up to 95%	
Storage temperature	-10°C +60°C	

Compliance

EN12094:2003
EN 54-2:1997
EN 54-2:1997/A1:2006
EN 54-2:1997/AC:1999
EN 54-4:1997
EN 54-4:1997/A1:2002
EN 54-4:1997/A2:2006
EN 54-4:1997AC:1999
EN 50130-4:2011
EN 55022:2006/ 1:2007
EN 60950-1:2006/ 11:2009

* note: subject to load calculations and use of appropriate cables