

Functional characteristics

- Control of the lines and controllable outputs for fault conditions (short circuit and interruption) and automatic reset;
- Ability to delay controllable and general outputs for fire for a period of 0 to 7 minutes after the registration of state Fire with DIP switch;
- Built-in sounder in case of fire - monotonal, continuous with the possibility of exclusion;
- Test mode of each (fire alarm) lines;
- Ability to Disable each of the fire alarm lines;
- Ability to Disable* controllable outputs for fire;
- Interface for communication with external devices RS485 and networking / optional /;
- Possibility for GPRS/LAN communication and remote control and monitoring / optional /;
- Possibility Ability to add module relay FD9004. The module expands the outputs of the Panel.



The panel meets standards:

- > 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/A1:2007
- > EN 60950-1:2006/A11:2009

Lines

Number of lines	2, 4, 6 or 8	Optional
Maximum number of fire detectors in a line	32	
Type of the joining line	biconductional	
Plume maximum resistance	100 Ω	
Current thresholds in the lines:		
Interruption	from 1 to 4 mA	
Duty mode	from 5 to 16 mA	
Fire	from 17 to 70 mA	
Fire direct /without delay outputs/	from 40 to 70 mA	
Short circuit	> 70 mA	
Lines functional characteristics:		
Verification quantity before entering Fire mode:	2	
Verification and regestrating fault in a earth conductor	yes	selectively

Outputs

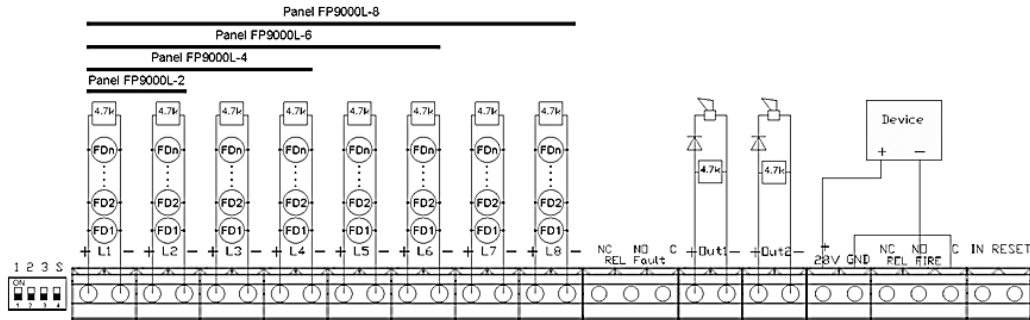
Independent relay output in case of fire alarm:	
Quantity	1
Type	switching NC / NO
Electrical characteristics	3A/125V AC, 3A/30V DC
Controllable output in case of fire alarm:	
Quantity	2
Type	potential relay
Electrical characteristics	(19-28)VDC/ 0,5A
Additional relay outputs (modul M9000R 2/4/8) in case of fire alarm:	
Quantity	2/4/6/8
Type	potential-free NC or NO
Electrical characteristics	3A/125V AC, 3A/30V DC
Independent relay output in case of failure:	
Quantity	1
Type	potential-free, switching NC / NO
Electrical characteristics	3A/125V AC, 3A/30V DC
Delay outputs:	
Time delay of switching outputs	0 ÷ 7 minutes

Power supply

Mains power	
Voltage	(187-252)V AC
Frequency	50/60 Hz
Maximum power to mains power	38W / AC
Battery power	
Battery quantity	2
Type of the battery	Lead, gel
Battery rated voltage	12V DC
Reted power C20	1,3Ah, 4,5Ah, 5 Ah
Charger voltage	27,6 VDC temperature compensated
Consumption of battery power in standby mode	
Configuration with 2 lines	< 40 mA to 24 VDC
Configuration with 4 lines	< 50 mA to 24 VDC
Configuration with 8 lines	< 70 mA to 24 VDC
Time needed in security mode when mains power supply is down with battery 12V/ 5Ah	
Configuration with 2 lines	120h
Configuration with 4 lines	90h
Configuration with 8 lines	72h

Time needed in security mode when mains power supply is down with battery 12V/ 1.3Ah	
Configuration with 2 lines	32h
Executive devices powering	
Voltage	(19-28)V DC
Maximal current (including the controllable outputs current)	1A
Fuses	
Mains power 230V AC	4,0 A fusible
Battery power	4,0 A fusible
Powering external devices	1,85 A automatic
Controllable outputs	1,1 A automatic
Over all size	
	310x240x80 mm
Weight without batteries	
	1,25 kg
Safety degree	
	IP30/ EN 60529

Terminals



Delivery composition and complexity/set

Fire Station FP 9000L	1 qty.
EOL - resistor 4,7kΩ/0,5W:	
- for configuration with 2 lines /FP9000-2/	2 qty.
- for configuration with 4 lines /FP9000-4/	4 qty.
- for configuration with 8 lines /FP9000-8/	8 qty.

(EOL) End for controllable output - resistor 4,7kΩ/0,5W;	2 qty.
Fuse 4,0A;	2 qty.
Connective bridge for batteries;	1 qty.
Packaging.	1 qty.