

**CONVENTIONAL FIRE ALARM PANEL
FP9000L-2/4/6/8**



TECHNICAL CHARACTERISTICS

<u>LINES</u>		
➤ 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 4 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
<u>OUTPUTS</u>		
➤ 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 2/4/6/8) in case of fire alarm:		
• Quantity	2/4/6/8	
• Type	potential-free	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 6 lines	< 60 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 6 lines	80h	
• 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	
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 M9000R-2/4/6/8. The module expands the outputs of the Panel.	
➤ Over all size	310x240x80 mm
➤ Weight without batteries	1,25 kg
➤ Safety degree	IP30/ EN 60529
The panel meets standarts:	
• 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	

DELIVEERY 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 6 lines /FP9000-6/	6 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.

TERMINALS

