



Part of Consilium Safety

Fire Control Panel FS4000



The **Fire Control Panel [FS4000]** is designed to operate with conventional automatic fire detectors and manual call points. The panel has outputs provided for external executive devices.

Fire Control Panel	Part Number
2 Fire Alarm Lines	FS4000/2
4 Fire Alarm Lines	FS4000/4
6 Fire Alarm Lines	FS4000/6
8 Fire Alarm Lines	FS4000/8

Certification: 

Technical Features

Fire Detection Lines

Maximum Number of Fire Detectors in a Line	32
Type of the Installation	two-wire
Maximum Resistance of a Line	100Ω

Thresholds Current Values

Fault Condition	0-6 mA
Duty Mode	6-16 mA
Fire Condition	16-80 mA
Short Circuit	> 80 mA

Monitored Fire Alarm Lines (EN54-2, Type C)

Number	2 pcs
Type	potential, relay with independent control
Electrical Characteristics	(19-27.5)V DC / 1A

Common Fault Warning Relay Outputs

Number	1 pcs
Type	potential-free, switching
Electrical Characteristics	3A / 125V AC, 3A / 30V DC

Indication of Registered Events

Light Indication	LED
Sound	built-in buzzer

Power Supply

Voltage	(187 – 252)V AC
Frequency	50/60 Hz

Backup Batteries

Battery Type	lead, gel electrolyte
Number of Batteries	2 pcs
Nominal Voltage of the Backup Battery	12V
Nominal Capacity C20	(7.0) Ah
Charge Voltage	28V DC

Operation in Duty Mode Upon Interruption in Main Power Supply

Lines 24V / 1.2 Ah		Lines 24V / 4.5 Ah		Lines 24V / 7.0 Ah	
2 Lines	32 h	2 Lines	120 h	2 Lines	32 h
4 Lines	24 h	4 Lines	98 h	4 Lines	24 h
6 Lines	20 h	6 Lines	80 h	6 Lines	20 h
8 Lines	16 h	8 Lines	68 h	8 Lines	16 h

Consumption on Backup Batteries Supply

Configuration of 2 Lines	< 35 mA at 24V DC
Configuration of 4 Lines	< 45 mA at 24V DC
Configuration of 6 Lines	< 55 mA at 24V DC
Configuration of 8 Lines	< 65 mA at 24V DC

Power Supply to External Devices

Voltage	(19–27) V DC
Maximum Current Value (including current of controller inputs)	1.2 A

Fuses

Main Supply 230V	4.0 A
Backup Battery	6.0 A
Dimensions	304mm x 222mm x 94mm
Weight (backup batteries not included)	0.98kg

Functional Data

identification of manual call points
zone dedicated label and Zone dedicated LED indication for fire, fault, disable
detection for removed fire detector
automatic reset of the fault warning condition
logical "AND" scenario for fire detection lines
EN54-2 Disabled condition and Test condition per fire detection line and fire alarm line
direct mode (skip delay) function for each fire detection line
test-LED functionality
built-in buzzer for fire and fault condition – one tonal, continuous, can be suppressed
test mode for fire alarm lines
input for remote Reset fires operation
8 types optional scenarios for common fire outputs and fire alarm outputs
optional delay time for fire outputs activation 1,2,3,4,5,6 or 7 minutes
evacuation condition – available on access level 2
optional zone dedicated relay module FD4201, each relay is common fire output corresponding to the relevant fire detection zone

Module FD4201

Module FD 4201 expands the options of fire control panel FS4000. It allows:

- Connection of fire control panel FS4000 in a system of a repeater FS5200R and several remote fire control panels FS4000, FS5100, FS5200, FS5200E;
- Commanding the fire control panel from the repeater within a network of remote fire control panels;
- Control of a relay output for each line that is in Fire condition;

Relay Outputs for Fire Conditions

Type	potential free, switching
Power Supply	3 A / 125 V AC, 3 A / 30 V DC

Interface RS485

Network Address	fixed – coincides with the serial number of the fire control panel
Data Exchange Speed	fixed – 9600 bits/s
Operational Temperature Range	-5°C to +40°C

Relative Humidity Resistance	max 93% at 40°C
Dimensions	180mm x 65mm x 25mm
Weight	0.160kg