



FIRE CONTROL PANEL FS 4000/2/4/6/8 ZONES

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.

The unit is produced in four versions:

- 2 fire alarm lines – FS4000/2
- 4 fire alarm lines – FS4000/4
- 6 fire alarm lines – FS4000/6
- 8 fire alarm lines – FS4000/8

Technical features

Fire alarm lines:

- Maximum number of fire detectors in a line: 32
- Connecting line: two-wire
- Maximum resistance of a line: 100 Ω

Current thresholds for:

- Fault condition: 0 – 6 mA
- Duty mode: 6 – 16 mA
- Fire condition: 16 – 80 mA
- Short circuit: > 80 mA

Monitored outputs for fire condition:

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

Relay outputs for fire condition:

- Number: 2 pcs
- Type: potential-free, 1 switching, 1 NO
- Electrical characteristics: 3A/125V AC, 3A/30V DC

Relay output for fault condition:

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

Relay output for fault condition:

- Number: 1 pcs
- Type: none-monitored type activated on short-circuit (from potential free contact)
- Electrical characteristics: 5 VDC on normal open state / 0 VDC in activation mode

Performance:

- Control over fire alarm lines and controllable outputs for fault conditions (short circuit and

interruption) and automatic reset.

- Detection of removed fire detector and automatic reset.
- Identification of manual call points.
- LED indication for alarm state and emergency.
- Delay of outputs for fire condition with time period of 1, 2, 3, 4, 5, 6 or 7 minutes after fire condition is registered.
- Option for 'LOGICAL AND' realization of two fire alarm lines.
- Duty Mode condition with direct activation of Fire Condition 2nd Stage " for two fire alarm lines.
- Status Indication of the device for data transmission RS485.
- Option for switching on/off interface RS485 communication.
- Built-in sounder for fire condition – one tonal, continuous, can be switched off.
- Built-in sounder for fault condition – one tonal, discontinuous, can be switched off.
- Test mode for fire alarm lines.
- Disabling fire alarm lines.
- Disabling outputs for fire condition.
- Expanding the options by means of extra relay outputs for fire condition for each line and built-in RS485 for operation in a local network.
- Input for remote Reset fires operation;

Indications of registered events:

- Light indication: LED
- Sound: Built-in buzzer

Power supply:

- Voltage: (100-240)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 / 1,2Ah – 24V / 4,5Ah – 24V / 7,0Ah
2 lines – 32 h – 120 h – 180 h
4 lines – 24 h – 98 h – 140 h
6 lines – 20 h – 80 h – 110 h
8 lines – 16 h – 68 h – 90 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 contr.outputs): 1,2A

Fuses:

- Main supply 230V: 4.0 A
- Backup battery: 6.0 A
- Power supply to external devices: 1.85 A automatic
- Monitored outputs: 1.1 A automatic

Dimension: 304mm x 222mm x 94mm

Weight (backup batteries not included): 0.98 kg



Fire Control Panel FS 5200

PRODUCT DESCRIPTION

FS5200 is already certified by EVPU!!!

FIRE ALARM LINES

- Maximum number of fire detectors in a line: 32
- Connecting line: two-wire
- Maximum resistance of a line: 100Ω

CONTROLLABLE OUTPUTS

- Type: Potential
- Electrical characteristics: (24±5)V/500 mA

RELAY OUTPUTS FOR FAULT CONDITIONS

- Type: potential free, switching
- Electrical characteristics: 3 A/125 V AC; 3 A/30 V DC

RELAY OUTPUTS FOR FAULT CONDITIONS

- Type: potential free, switching
- Electrical characteristics: 3 A/125 V AC; 3 A/30 V DC

INDICATIONS OF REGISTERED EVENTS

- Light indication: LEDs
- Text messages: LCD display – 4 lines, 20 symbols, Latin/Cyrillic characters, backlit
- Sound: Built-in sounder

ACCESS LEVELS TO CONTROL FUNCTIONS: 4 (in compliance with EN 54/2)

POWER SUPPLY

- Voltage: 220/230 V
- Frequency: 50 Hz

BACKUP BATTERIES: 2x12V / 12 Ah

OPERATION IN DUTY MODE UPON INTERRUPTED MAINS SUPPLY

- Minimum configuration: 80 h
- Maximum configuration 30 h

CONSUMPTION ON BACKUP BATTERIES SUPPLY IN DUTY MODE AT 24 V

- Minimum configuration: <155 mA
- Maximum configuration: <400 mA

POWER SUPPLY TO EXTERNAL DEVICES

- Voltage: (24±5)V
- Maximum current value (current of controllable outputs included): 1,5 A

WEIGHT (BACKUP BATTERIES NOT INCLUDED): 6,6 kg

DIMENSIONS: 450 x 355 x 115mm

OPERATING TEMPERATURE: -5 oC to +40 oC

RELATIVE HUMIDITY: to 93 %

DEGREE OF PROTECTION: IP 40