

IFS7002 – 1

Interactive Fire Control Panel IFS7002 is designed to operate with addressable automatic fire detectors and manual call points. It controls addressable executive and input-output devices integrated into fire alarm loops. The addressable executive devices can be power supplied from the fire alarm loop and external supply or auxiliary user supply voltage of the Fire Control Panel. The panel has outputs provided for integration of external executive devices.

Technical data

Physical configuration:

- 1 fire alarm loop
- 2 monitored outputs
- 1 relay output for fire condition
- 1 programmable relay output for fire condition
- 1 relay output for fault conditions

Fire alarm zones:

- Maximum number of zones: 64
- Maximum number of fire detectors and in/out devices: 60

Fire alarm loop:

- Maximum number of fire detectors in a loop: 125
- Connecting line: two-wire shielded
- Maximum resistance of a loop: 100W
- Output resistance of a loop: 20W
- Maximum consumption of a loop: 200mA

Monitored outputs: 2 pcs

- Type: potential
- Electrical characteristics: (24±5)V/0,5A

Relay output for fire conditions: 1 pc

- Type: potential free, switching
- Electrical characteristics: 3A/125VAC; 3A/30VDC



Relay (programmable) output for fire conditions: 1 pc

- Type: potential free, switching
- Electrical characteristics: 3A/125VAC; 3A/30VDC

Relay output for fault conditions: 1 pc

- Type: potential free, switching
- Electrical characteristics: 3A/125VAC; 3A/30VDC

Performance:

 Control over fire alarm loops and monitored outputs for fault conditions (short circuit and interruption) and automatic reset.

- Detection of removed devices in the loops and automatic reset.
- Ability to set the zones in Coincidence Mode.

 Two phases of Fire condition, programmable time for Fire condition stage I, separately for each zone.

 Option to prolong the time period for Fire condition stage I with programmable inspection period, specified for each zone.

- Built-in sounder for fire condition one tonal, discontinuous, can be switched off.
- Built-in sounder for fault condition one tonal, discontinuous, can be switched off.
- Built-in real time clock.
- Set of test modes and options for adjustment:
- Setting the clock;
- Check ups on light and sound indications;
- Test of fire alarm zones;
- Adjustment of outputs and integrated external devices;
- Programming of parameters and modes of operation;
- Remote programming of the parameters from distant operator control point.

 Energy independent archive of registered events with the events type, date and hour – up to 1023 events.

– Interfaces for communication with external devices – CAN 2.0B and RS-232 (directly or via modem).

Indications of registered events:

- Light indication: LED
- Text messages: LCD display, 320×240 points, backing
- Sound signaling: built-in sounder

Power supply:

Mains

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

Back up batteries

- Battery type: lead, gel electrolyte
- Number of batteries: 2 pcs
- Connection: Serial connection



- Nominal voltage of the back up battery: 2 x 12V DC
- Nominal capacity C20: 5 Ah
- Charge voltage: 28V

Consumption on back up batteries supply

- At 24V: < 160 mA
- At 26V: < 150 mA

Power supply to external devices

- Voltage: (24±5)V
- Maximum current value (including current of monitored outputs): 1A
- Dimension: 286x148x125 mm
- Weight (batteries not included): 2,2 kg

