

Wireless Fire Alarm Control Panel VIT 01



In case of fire event, the results of the combustion are detected from the wireless point fire detector and through radio frequency channel a fire status message is sent to the VIT01 fire control panel. The system components installed at the site are organized into a radio network. The maximum number of independent wireless systems at one premise is 16.

The Control Panel operates together with:

- Automatic fire detectors VIT20, VIT30, VIT60
- Manual call point VIT50
- Router VIT02

**MORE THAN 10 DISPLAY
LANGUAGES AVAILABLE**

Features

Basic functional characteristics:

- Setting up of the operating modes and parameters of fire detectors, communication controllers and outputs through a built-in keyboard.
- Control over the level of radio signal of the devices.
- Option for changing parameters of the fire detectors.
- LED indication for signalization of emergency and extreme situations in the zones and within the whole system.
- User friendly test modes for all the system components, providing a total control over the condition of the protected premise.
- Automatic restoration in fault condition, after the reason, that caused the fault has been removed.
- Built-in serial interface RS232/RS485 for connection with personal computer or other external devices.
- VIT01 is compatible with the requirements of EN54-2, EN54-4, EN54-25.
- Fully Radio Fire Alarm System installation.
- Real time clock and Event log of 4096 events.
- Optional delay time for fire outputs activation - 1 to 10 minutes.
- User-friendly radio-test available, without additional tools.
- Optional frequency channel - 16 different channels to establish radio connection.
- A primary battery plus a secondary battery.
- Tamper control for removed fire detector from its base.
- LCD character display 4 x 20, backlit - for visualization of the operating modes of the system.
- Fully programmable from the display user-friendly menu structure.
- Zone dedicated LED indication for fire and fault warning condition.

Technical data

Maximum number of devices/zones: 32/15

Radio network parameters:

- Frequency: 2,4 GHz
- Maximum number of devices included in the network: 32
- Maximum number of routers included in the network: 6
- Maximum number of devices connected directly to the Control Panel: 20 (14 pcs end device and 6 pcs routers)
- Maximum number of fire detectors connected to the router: 14
- Maximum number of retransmissions of messages through the router: 5

**Monitored fire alarm lines (EN54-2, type C):
2 pcs**

- Type: potential, relay
- Electrical features: (24±5)V DC/1 A

Common fire relay outputs: 1 pc

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

Common fault warning relay outputs: 1 pc

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

Indication of the registered events: LED

- Light indication: crystal-liquid display
- Text messages: 4 lines, 20 characters per line, Cyrillic, back-lit
- Sound: built-in buzzer

Power supply:

Mains supply:

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

Backup (battery) supply

- Battery type: lead, gel electrolyte
- Number of the batteries: 2 pcs
- Connection: serial connection
- Nominal voltage of the connected back up batteries: 24V DC
- Nominal capacity C20: (1,2-4,5) Ah
- Terminal discharge voltage: 17,6V
- Charge voltage: 28V
- Consumption on the back up battery supply: <180mA at 24V

Operating temperature: minus 5°C to 40°C

Relative humidity: (92±3)% at 40°C

Overall dimensions: 313 x 218 x 85 mm

Weight (excluding the back up batteries) not more than: 1,440 kg



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