

# Fire alarm system «Pulsar»

The Pulsar system is an addressable-analog, block-modular system. Based on data received from fire detectors, the floor controller makes a decision regarding the occurrence of a fire, localises it, notifies building occupants, and activates fire automation devices.

The decentralised architecture of the Pulsar system is optimised for efficient use in multi-apartment residential buildings. It simplifies system installation and commissioning, and in the event of a single fault, localises the problem within a single floor (fire compartment).

**The design of the Pulsar system was created by the Artemy Lebedev Studio.**



Manual fire detectors «Pulsar»

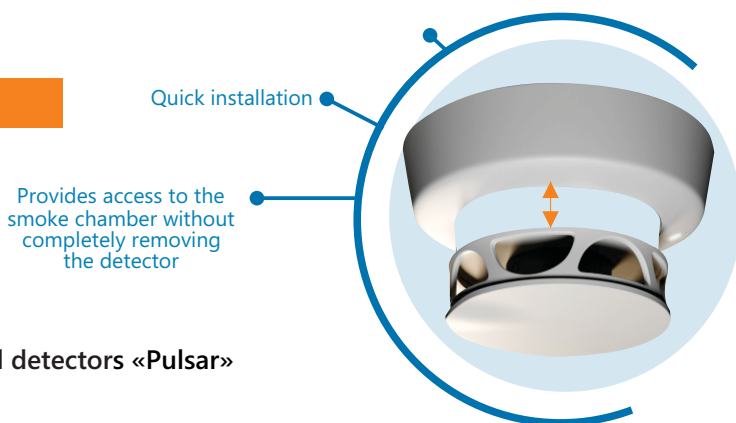


Light sounders «Pulsar»

Smoke detectors «Pulsar»



Thermal detectors «Pulsar»



**Short-circuit isolators «Pulsar»** — designed to open a section of the addressable loop circuit (ALC) when a short circuit occurs.

**Valve control modules «Pulsar»** — designed to control smoke exhaust valve actuators. Compatible with: reversible electromechanical, electromechanical with return spring, and electromagnetic with manual damper return actuators.

**Relay control modules «Pulsar»** — designed to control actuating devices via relay. Available with monitoring of the switched circuit for open and short circuits.

**Address tag modules «Pulsar»** — designed to receive signals from devices with relay output that are not part of the addressable loop.

**Remote start devices «Pulsar»** — designed for remote activation of fire automation systems.

**Uninterruptible power supplies «Pulsar»** — designed for uninterruptible 24V DC power supply to system devices.

## General characteristics of the «Pulsar» System

- ALC — two-wire with polarity compliance. Typical ALC length: 600 m (maximum 3000 m). Supports 64 addressable devices.
- Topology — ring with branches.
- Fire control and management panels are connected via a redundant CAN interface. Typical length 300 m. Supports up to 110 devices
- Floor controller is equipped with an Ethernet converter for connection to the automated workstation (AWS).
- Interaction with the system is possible via a mobile application over Bluetooth.
- Software — PC configurator.
- The system fully complies with: SP484.131500.2020, GOST R 53325–2012, GOST 34698–2020, GOST 34699–2020, GOST 34700–2020.

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