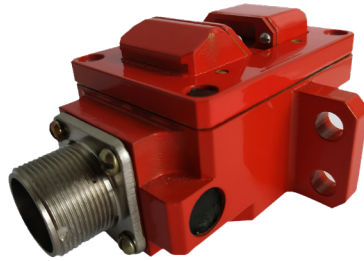


★ Fire Suppression System for the Crew Compartment of the PPO BV Vehicle

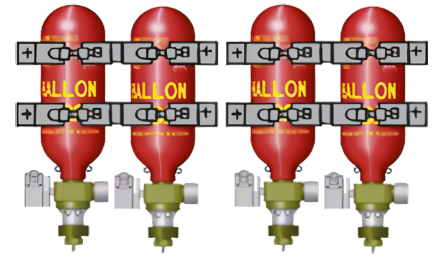


BP PPO BV console unite

Industrial design patent №36377 dated 26.02.18



OD1U optical sensors
(from 1 to 5 pcs)



Cylinders with fire extinguishing agent HFC 227 or АЛ-5-1-12
(from 1 to 4 pcs)

The fire suppression system detects fire in the crew compartment of the vehicle and generates electrical signals that control the components of fire suppression equipment:

- Audio and light alarms in case of fire in the crew compartment
- Firefighting cyclogram

The system's devices are resistant to high shock and vibration and are suited for operation under rough conditions.

Purpose Of Use

Detection of fire in the crew compartment of the vehicle and its extinguishing in automatic or manual modes with light and audio signaling about the operating modes of this system.

Features

- Operating modes – 2 (automatic, manual).
- Integrated self-monitoring system.
- Optical sensor serviceability control.
- Pressure control in the cylinders.
- Issuance of audio and light fire signal.
- Delivery of fire extinguishing cyclogram after receiving a fire signal from optical sensors.
- Automatic or manual detonation of pyro cartridges for supply of fire-extinguishing mixture.
- High shock and vibration resistance of the system components.

- Waterproof.
- Built-in operation control with and without commands issued to the actuators.
- Adapted to work in harsh operating conditions.
- Data transfer to the on-board computer.

Specifications

Power supply voltage 22.5 ... 28.5 V

Power consumption in standby mode – less than 5 W

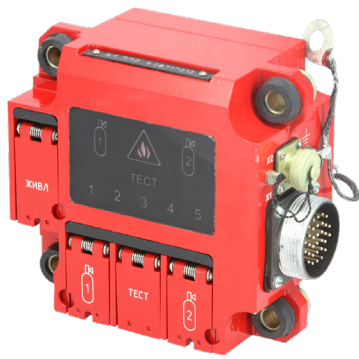
Operating temperature range -40 ... +60 °C

Time of full extinguishing from the moment of fire detection is less than 250 ms

Delivery Kit

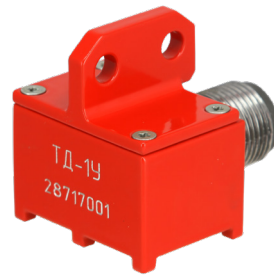
- BP PPO console unit of the fire-fighting equipment system – 1 pcs
- Optical sensor OD1U – from 1 to 5 pcs (depending on a vehicle)
- Cylinders with the extinguishing agent HFC 227 or АЛ-5-1-12 – from 1 to 4 pcs (depending on a vehicle)
- Logbook
- Installation kit
- Package

★ PPO MV Fire Suppression System for the Engine Compartment of the PPO MV Vehicle

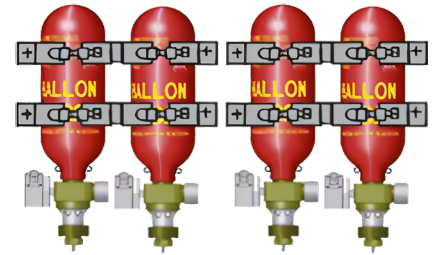


BP PPO console unit

Industrial design patent №36376 dated 26.02.18
Industrial design patent №36377 dated 26.02.18



Temperature detectors TD-1U
(from 1 to 10 pcs)



Cylinders with the extinguishing agent Halocarbon 114B2
(from 1 to 4 pcs)

The PPO MV fire suppression system detects fire in the engine compartment of a special-purpose vehicle and generates electrical signals that control the components of fire protection equipment:

- Audio and light alarms in case of a fire in the engine compartment,
- Cyclogram of firefighting.

The system's devices are resistant to high shock and vibration and are suited for operation under rough conditions.

Purpose Of Use

Detection of fire in the engine compartment of a special-purpose vehicle and its extinguishing in automatic or manual modes with light and audio signaling about the operating modes of this system.

Features

- Operating modes – 2 (automatic, manual)
- Integrated self-monitoring system with and without issuing commands to the actuators.
- Pressure control in the cylinders
- Control of the serviceability of starting devices of fire extinguishing mechanisms (pyro cartridges).
- Control of ten zones of the engine unit compartment.
- Delivery of the fire-extinguishing composition of the first group of cylinders to the engine unit compartment in the event of a fire.

- Temperature detector serviceability control.
- Repeated supply of the fire-extinguishing composition of the second group of cylinders to the compartment in case of repeated or incomplete elimination of the fire.
- Issuing a command to stop the engine. Execution of the fire extinguishing cyclogram after receiving the engine stop signal.
- Waterproof.
- Data transfer to the on-board computer
- An option to produce the marine version of the equipment.

Specifications

Power supply voltage	22.5 ... 28.5 V
Power consumption in standby mode	5 W
Operating temperature range	-40 ... +60 °C

Delivery Kit

- BP PPO console unit of the fire-fighting equipment system
- TD-1U temperature detector – from 1 to 10 pcs
- Cylinders with the extinguishing agent Halocarbon 114B2 of BRS 2 type (Quick Release Connector) – from 1 to 4 pcs
- Installation kit
- Logbook
- Package