

PURPOSE

Signal colour smoke cartridges (SCSC) are designed to equip special security systems, alarm and warning systems in order to improve their efficiency, as well as for systems to indicate the location of objects.

SCSC are activated by igniting the pyrotechnic composition when an electric current is supplied to the connector. As a result of flameless smoke formation, a cloud of colored smoke is formed from the chemical components of the cartridge (the color is indicated on the SCSC label), which contains partially intact chemical components of the compositions, as well as their combustion products: nitrogen, nitrogen dioxide (traces), carbon monoxide, carbon dioxide, sulfur dioxide and water.

Exposure to the smoke at a distance of 50-100 centimeters from the epicenter of the aerosol cloud formed from the Signal color smoke cartridge may be accompanied by transient phenomena of irritation of the eye membranes (eyelid spasm, lacrimation, redness, feeling of a foreign body in the eyes).

Exposure to the smoke at a distance of more than 100 centimeters from the epicenter of the aerosol cloud does not have a harmful effect on the human body, has a short-term irritating effect on the upper respiratory tract and does not cause long-term negative consequences.

Signal colour smoke cartridges can be installed in steel or plastic brackets.

TECHNICAL CHARACTERISTICS

- Time of smoke formation, sec from	10 to 30
- Current for cartridge initiation, not less than, A	0,4
- Electric resistance of initiation circuit, Ohm	2,5-4,5
- Smoke colour (marked on the label)	white, red
- Weight, kg	0,09
- Dimensions (cartridge with a plastic cap), mm	49,8x85,4x28
- Operational in the range of temperatures from -30 °C to +50 °C and relative humidity up to 98% at the temperature +25 °C	

