

UV/IR flame detector (Ex) X 5200



Part-No. 761349

Approval: VdS, ATEX, SIL 2


Since it can be mounted, the pressure-proof, fully enclosed combination ultraviolet/infrared flame detector enables UV and IR transmitters to monitor the same danger zone with a visual angle of 90°. Triggering occurs only by activation of the IR and UV sensors. A LED provides information regarding the state of operation, failure and alarm. Three relays (fire, failure and additional alarm) are integrated for connection to a fire detection system. Contamination resistance and heated optics to prevent condensation and formation of ice also allow for external operation. Typical areas of application are turbines, munitions depots, natural gas depots and aircraft hangers.

Activation on the loop and resetting take place via the esserbus transponder 808623. Activation on a conventional line occurs via the same transponder. This device requires a separate voltage supply of 24 V DC.

Features:

- Visual range: 90°
- Maintenance with magnets, no test lamp required
- Status display directly at the detector via 3-color LED for operation, fault and alarm
- Actuation and resetting via esserbus transponder 808623 in loop operation
- Automatic, manual or magnetic optical integrity (oi) testing, no external test lamp required

Operating voltage	24 V DC
Power consumption	17.5 W @ 30 V DC with end-of-line resistor and heater on maximum
Current consumption @ 24 V DC	approx. 117 mA
Height to be monitored	max. 20 m
Range	max. 25 m
Ambient temperature	-40 °C ... 75 °C
Storage temperature	-55 °C ... 85 °C
Explosion protection	EEx d IIC T5-T6, T86°C
Category	II 2 GD
Type of protection	IP 66
Housing	Die cast aluminum
Air humidity	< 95 %
Weight	approx. 2.7 kg (+ 6.0 kg fixture)
Detector specification	EN 54-10, Class 1
EC-type examination certificate	DEMKO 02 ATEX 132195
Dimensions	Ø: 122 mm H: 246 mm

 Please note, for the installation of the mounting you need a 14 mm Allen key, which is not included. The Ex UV/IR flame detector (Item No. 761349) contains a radioactive substance: Krypton-85 (14.8 kBq). According to the instructions in the permit, only those possessing an appropriate handling permit is allowed to participate in the installation and removal. We ask you to consider this when buying the product!

 Mounting bracket