O2T multisensor fire detector IQ8Quad with isolator



Part-No.: 802374
Approval: VdS, BOSEC

Multisensor fire detector using patented dual angle optical scatter as well as additional heat detector sensor evaluation to guarantee the detection of different types of fire from smoldering fires to open fires with constant sensitivity level. Smoke sensor signal identification to ensure smoke classification and reduction of false alarms caused by interferences, for instance, water vapor or dust. Used when early and reliable fire detection is requested. Because of its excellent detection characteristics and enhanced false alarm management, the detector is also able to identify the standardized TF1 and TF6 test fires. The O²T multisensor fire detector is also suitable for applications with higher temperatures of up to +65 °C. The detector is provided with an integrated isolator. A remote indicator can be connected.
With VdS approved parameter settings for special applications:
- Water/oil/haze
- Garage
- Hall
- Clean room
- High application temperature (~ 80°C)
- Hotel room
- User defined

Common technical data	
Operating voltage	8 ... 42 V DC
Quiescent current @ 19 V DC	60 µA
Quiescent current @ FACP battery	approx. 330 µA
Alarm current w/o communication curtain	18 mA
Area to be monitored	110 m²
Height to be monitored	12 m
Air velocity	0 m/s ... 25,4 m/s
Application temperature	-20 °C ... 65 °C
Storage temperature	-25 °C ... 75 °C
Air humidity	< 95 %
Type of protection	IP 40 with base, up to IP 43 with base and option
Material	ABS plastic
Color	white, similar to RAL 9010
Weight	approx. 110 g
Detector specification	EN 54-7 /-5 B /-17:2005, CEA 4021
Dimensions	Ø: 117 mm H: 49 mm (62 mm incl. base)
Declaration of Performance	DoP-20105130701

Special colors on demand The detectors Part No. 802271, 803271, 802371, 803371, 802373, 802374 and 803374 are approved in the scope of the DIBt system authorization for the operation with an Automatic Door System. To determine the battery capacity of a fire alarm panel, the detector data "Quiescent current @ BMZ battery" can be added. In order to pass through existing wires, the WAGO grips, e. g. type 243-204 (O 0.5-1 mm) or 273/104 (0.75-2.5 mm2) can be integrated into the detector base. Please use only for commissioning/maintenance of fire detectors from SW version V2.42R006 the programming software tools 8000 from version V1.05.

Accessories:

767800	Mounting bracket
805590	Standard detector base for IQ8Quad
805591	Detector base with relay contact for IQ8Quad

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Novar GmbH a Honeywell Company
Forumstr. 30 41468 Neuss
Phone: +49 2131 40615 600
Faximile: +49 2131 40615 606
www.esser-systems.com
esser-systems@honeywell.com