

# IQ8Quad Fire Detectors



## OTblue multisensor

→Part no. 802375

→Approvals DNV, ABS, BV, GL, LRS, MMF, MCA, PRS, RINA

### →Description

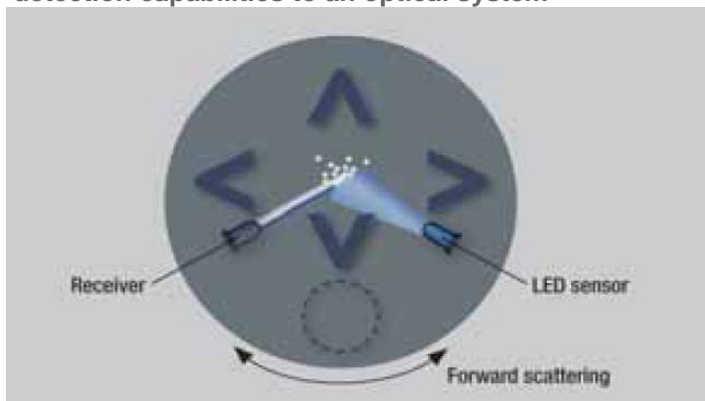
An intelligent multisensor with integrated optical and heat detector. The optical measurement chamber is provided with a newly developed sensor technology, enabling the detection of open fires, smouldering fires and fires with high heat generation. Especially for flaming fire, which traditionally has only been detected safely and rapidly by the ionisation detectors, the innovative detection OTblue technology brings a new dimension to optical detectors. The detector is capable of identifying the TF1 and TF6 test fires described in the EN 54-9:1982 specification. The OTblue multisensor is an intelligent detector with time-related signal analysis, signal correlation of the sensor data, decentralised intelligence, automatic function self-test, CPU failure mode, automatic adaptation to environmental conditions, alarm and operating data memory, alarm indicator and soft-addressing. The detector is provided with an integrated isolator and a parallel detector indicator can be connected.

### →Technical Data

Operating voltage	9 to 42 V DC
Quiescent current @ 35V	aprox. 250 µA
Dimensions (Ø x H)	117 x 49 mm (including base 62 mm)
Housing	ABS plastic, white, similar to RAL 9010
Ingress protection	IP 42
Weight approximately	110 g
Application temperature	-20°C to +50°C
Response temperature	54°C to 65°C (at 1°C/min)
Height to be monitored	max. 12 m
Area to be monitored	max. 110 m <sup>2</sup>

### →Sensor arrangement

**Blue light adds ionization high energy fire start detection capabilities to an optical system**



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