O2T/FSp multisensor fire detector IQ8Quad with isolator



Part-No.: 802385
Approval: VdS

In addition to smoke detection with conventional O²T multisensor technology, the detector is provided with a built-in voice alarm device a build-in flash lamp and a built-in alarm signaling device. It can be set to eight different levels.Detection
Multisensor detectors with two built-in optical smoke sensors with different scattered light angles as well as additional heat detector sensor evaluation for detecting everything from smouldering fires to open fires with consistent response performance. Smoke sensor signal identification to ensure smoke classification and reduction of false alarms caused, for instance, by water vapour or dust. Each detector is provided with an integrated isolator.Alarm signaling
The alarm signaling device is activated by the control panel. No further short address needs to be allocated. It is programmed with tools 8000 as of software version 1.05. Alarm tone / speech message programming (depending on type)
For detectors with speech message and / or alarm tone function with up to five language options, up to 4 signals can be programmed. Two signals are reserved for alarm signaling and evacuation in the case of fire. Two further signals can be programmed for other events. Each signal can consist of up to four signal components, enabling one signal to be programmed as a DIN tone combined with subsequent speech messages in three different languages. Alarm tones can be chosen from a table with various tone types.
For application in schools, a break signal to signify the breaks between class can be activated.
When the basic setting is selected, signals / signal components can be continuously repeated until the signaling function is interrupted by the control panel. They can also be programmed with a repetition rate of one to three times. Thus, the break signal in schools can be deliberately set to only one repetition. In the same way, the total signal can be set to continuous repetition, with the DIN tone being played only once while subsequent speech messages are played up to three times. Sound pressure programming
The sound level [dB(A)] can be set to eight levels, from approximately 64dB (A) to approximately 92dB (A).

Features:

- The reliable O²T multisensor principle for consistent response performance at the highest level of security against false alarms
- Loop powered - no need for external power supply
- No additional short address
- Automatic synchronization of various IQ8Quad alarm signaling devices
- High flash energy
- Loop powered - no need for external power supply
- Individual control of the Sounder
- Tones can be used for other purposes in addition to warning of fire, making the device ideal for use in schools (school bell) etc.
- Soft start option, ideal for hospitals and nursing homes
- No additional short address
- Automatic synchronization of various IQ8Quad alarm signaling devices
- Maximum sound level: 92 dB (A) at 1 m
- Maximum sound pressure can be set
- Multiple signal components can be combined to one signal template
- Signal template and repetition rates can be set
- 20 different signal tones, incl. DIN-tone
- Low power consumption
- Speech message with sounder
- Loop powered - no need for external power supply
- No additional short address
- Automatic synchronization of various IQ8Quad alarm signaling devices
- Maximum sound level: 92 dB (A) at 1 m
- Maximum sound pressure can be set
- Multiple signal patterns can be combined to one signal
- Signal pattern and repetition rates can be set
- 20 different signal tones, incl. DIN-tone
- Speech messages can be played in up to 5 languages
- 5 alarm messages per languages are preprogrammed
- Up to 26 different languages are available

Common technical data	
Operating voltage	8 ... 42 V DC
Quiescent current @ 19 V DC	90 µA
Quiescent current @ FACP battery	approx. 500 µA
Load factor	3
Lighting energy	approx. 3 Y
Luminous intensity	max. 15.8 cd peak / 2.63 cd effective
Signal flashing lamp	red
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	IP43 (with base + options)
Material	ABS plastic
Color	white, similar to RAL 9010
Weight	approx. 145 g
Detector specification	EN 54-7:2006/-5 B:2000/ -17:2005, CEA 4021
Specification	EN 54-3 acoustic signaling device
Dimensions	Ø: 117 mm H: 59 mm
Declaration of Performance	DoP-20192130701

Not suitable for application in detector base Part No. 805591!

Programmed with 5 languages: German, English, Spanish, French and Italian

Accessories:

767800	Mounting bracket
805590	Standard detector base for IQ8Quad

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