O2T/FSp multisensor fire detector IQ8Quad with isolator, Brazil

Part-No.: 802385.BR
Approval: VdS

In addition to smoke detection with the conventional O²T multisensor technology, the detector is provided with a built-in voice alarm device. It can be set to eight different levels.

The IQ8Quad smoke detectors with built-in alarm device incorporate up to 4 different functionalities depending on the type (O²T/F, O²T/So, O²T/Sp, O²T/FSp) of detector:
- fire detection as per EN 54-7
- integrated heat sensor as per EN 54-5
- optical alarm via flash lamp
- acoustic alarm via sounder as per as per EN 54-3
- acoustic alarm speech messages

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 signalling

The alarm signalling 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

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 signalling 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.

Four different speech messages, each in three languages, are available:
- "An incident has been reported in the building.
Please await further instructions."
- "Attention please. This is an emergency.
Please leave the building by the nearest available exit."
- "This is a fire alarm. Please leave the building immediately by the nearest available exit."
- "This is a test message. No action is required."

When the basic setting is selected, signals / signal components can be continuously repeated until the signalling 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).

Common technical data

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
Air humidity	< 95 %

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

Programmed with 5 standard languages Portuguese (Brazil), English, German, Spanish and French

Accessories:

ESSER
by Honeywell

| 767800 | Mounting bracket |
| 805590 | Standard detector base for IQ8Quad |