

IQ8Quad with integrated alarm devices

- Fire detectors designed with proven O²T technology
- Integrated alarm device with flasher / alarm tone / speech
- Loop powered - no need for external power supply
- Flash lamp, sounder and speech alarm devices can be individually controlled
- Only one address is required despite the wide functional range
- Automatic synchronisation of alarm signalling devices
- Optimum adjustment to ambient conditions through configurable parameters
- Programmable sound level (up to 92 dB(A) at 1 m)
- Alarm and evacuation message can be combined as desired with up to four alarm signals
- Alarm sounds as well as speech messages can be combined as signal segments
- 20 different international signal tones incl. DIN-tone available
- 5 different speech messages in 5 different languages



Description

The automatic IQ8Quad fire detectors are designed with proven O²T multisensor technology and are suitable for a wide range of applications. As a consequence, each IQ8Quad detector is tailored to the respective environmental conditions of different application areas and guarantees fast and intelligent detection. Besides its adaptive characteristics, the IQ8Quad detector provides multi-purpose visual-acoustic alarm devices: Alarms can be signalled optically (flash) or acoustically (alarm tone / speech).

Flasher for optical alarm signalling

Discreet whilst inactive and not to be overlooked in the case of an alarm: The built-in flash (F) serves as an optical alarm device. The 360° flasher replaces the conventional separate flasher, and thereby reduces additional installation and material costs.

Sounder for acoustic alarm signalling

The acoustic alarm signalling device (So) with up to 92 dB(A) meets all requirements in terms of high-level security standards and offers alarm tone signals in accordance with EN 54 Part 3. This

integrated alarm signalling device means that conventional separate acoustic alarm devices are not required in most applications, and thus a reduction in installation and material costs as well as time is achieved.

Speech alarm messages

An important contribution to security is achieved by combining the alarm sound with simultaneous voice messaging. The IQ8Quad provides pre-programmed alarm messages (Sp), in order to save vital seconds in the case of an alarm. In addition to the standard messages (5 messages in 5 languages), it is possible to program individual customer-specific messages depending on local conditions. Thus, multilingual messages will contribute to an alarm signalling technology that is geared to the individual project requirements, and guarantee fast and safe evacuation.

Application areas

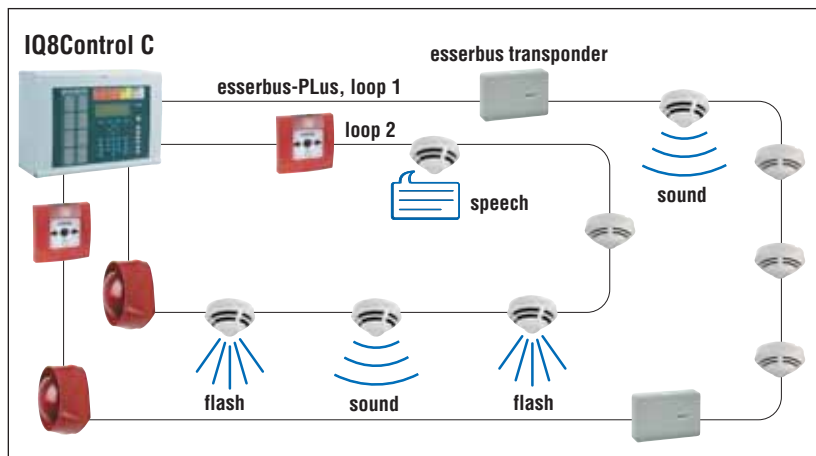
Automatic IQ8Quad fire detectors are designed for installation in premises, where reliable detection with local alarming is required in the case of an alarm. For example:

- catering premises, hotels and offices
- large kitchens
- hospitals and senior residences
- industrial plants

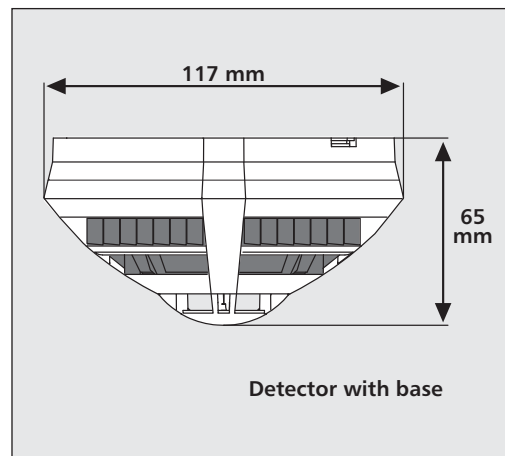
Easy installation and extension

The automatic IQ8Quad fire detector is mounted on the corresponding standard detector base and is integrated into the analogue loop of the IQ8Control fire alarm system*. Detectors already installed in the loop can be replaced if required, in order to install additional alarm devices. The analogue loop (esserbus-PLus) supplies power to the alarm devices. Additional wiring is not required. As of tools 8000 version 1.11, sensor technology for O²T detectors can be perfectly adjusted to local requirements through configurable parameters.

* Operation on the older fire alarm systems of the Series 8000 is not possible.



System configuration example



Dimensions

Specific technical data

Type	O ² T/F	O ² T/So	O ² T/Sp	O ² T/FSp
Part-No.	802383	802384	802386	802385
Quiescent current @ 19 V DC	75 µA	80 µA	90 µA	90 µA
Load factor	2	2	3	3
Sound level (1 m @ DIN Tone)	-	92 dB(A) +/- 2 dB	92 dB(A) +/- 2 dB	92 dB(A) +/- 2 dB
Strength of light	max. 15,8 cd peak; 2,63 cd effective	-	-	max. 15,8 cd peak; 2,63 cd effective
Energy of light (falsh light, red)	~ 3 J	-	-	~ 3 J
VdS - No.	G 205111	G 205111	G 205111	G 205111
Alarm signal specification	-	EN 54-3	EN 54-3	EN 54-3

General technical data

Operating voltage	8 - 42 V DC
Max. area to be monitored	110 m ²
Max. height to be monitored	12 m
Application temperature	-20°C up to +65°C
Storage temperature	-25°C up to +75°C
Type of protection	IP 43 (with base and options)
Material	ABS plastic
Colour	white, similar to RAL 9010
Weight	approx. 145 g
Housing dimensions (Ø x H) w/o base	117 x 59 mm
Housing dimensions (Ø x H) with base	117 x 65 mm
Detector specification	EN 54-7/-5 B/-17, CEA 4021

Order Information

	Part No.
O ² T/F - multisensor alarm with flasher	802383
O ² TSo - multisensor alarm with sounder	802384
O ² T/Sp - multisensor alarm with sounder and speech messages	802386
O ² T/FSp -multisensor alarm with flasher, sounder and speech messages	802385
Standard detector base	805590

For further order data please refer to our "Fire Alarm Technology" product line catalogue.