ESSER
by Honeywell

IQ8Wireless detector base

- **Dual band transmission technology with change of channels**
- **Meets EN54-25 requirements**
- **Individually addressable detector at the IQ8Control / FlexES control**
- **Regularly tests the operation of the detector**
- **Alarm and operating display on the detector**
- **Alarm and fault forwarding in accordance with EN 54-2**
- **Fault signal generated when removing the fitted wireless detector base and the detector**
- **Detectors and batteries easy to change using the detector removal tool**
- **Constant monitoring of battery voltage**

Overview

IQ8Wireless technology enables the IQ8Quad automatic fire detectors (with and without alarm signalling units), MCPs and the IQ8Alarm signalling unit to be wirelessly connected to the fire alarm system IQ8Control and FlexES control. Existing fire detection systems can be upgraded to wireless technology or complete fire detection systems for smaller properties can be implemented using wireless components. Depending on the ambient conditions, ranges of up to 300 m are possible (200 m in the case of a wireless gateway).

The tools 8000 programming software is used to assign the wireless components to a wireless transponder or gateway. The charge state of the batteries is checked automatically and if they need to be replaced, this is displayed in good time as a fault message on the fire alarm panel and/or the wireless transponder*.

The best installation location and maximum distance are determined quickly and easily using the field strength measurement feature included in tools 8000.
Only automatic fire detectors and alarm signalling units or MCPs may be assigned to a wireless transponder or gateway. In accordance with the relevant EN regulations and VdS standards, variable operation of both types of detector is not permitted.

IQ8Wireless detector base

An automatic IQ8Quad fire detector is installed in the wireless detector base**. The mounting height will naturally depend on the type of fire, smoke or heat detector that is installed. Power for the wireless detector base is supplied by four batteries.

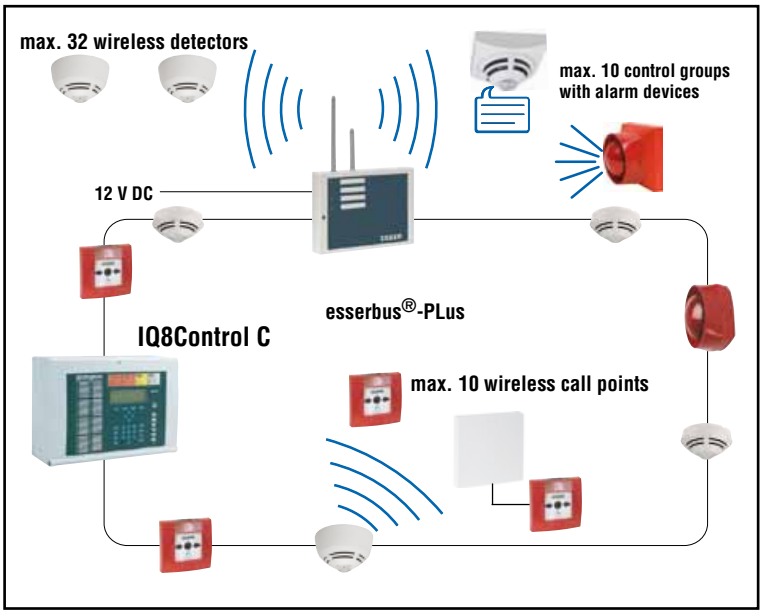
The wireless detector base is assigned to a wireless transponder or gateway using the tools 8000 programming software. A maximum of 32 wireless detector bases can be used per wireless transponder (10 in the case of a wireless gateway).

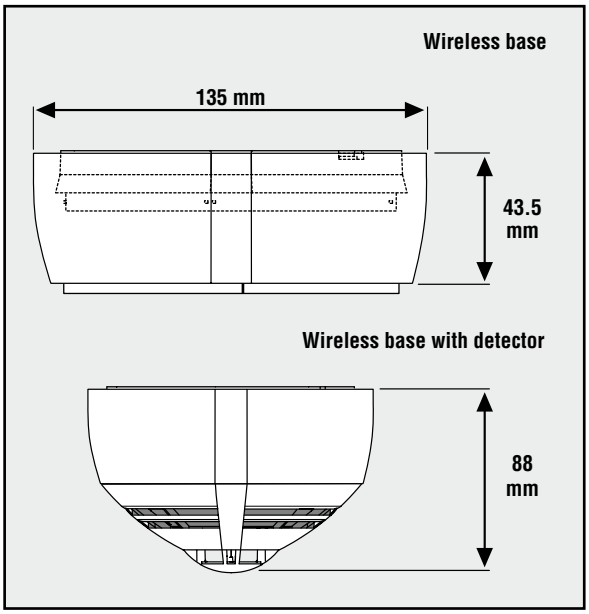
The range of the wireless signal and best installation location are determined

- on the one hand using the field strength measurement feature included in tools 8000 or
- alternatively using the integrated range measurement facility in the wireless detector base with the help of the 2-color LED indicator.

A wireless detector base (incl. IQ8Quad fire detector) only occupies one address on the loop of an IQ8Control / FlexES control.

* when assigning the wireless components using a wireless transponder
** compatible detectors as at 03.2011: O, O2T, rate-of-rise heat detector, fixed heat detector, OTG





Specifications

Operating voltage	8 V DC ... 42 V DC
Batteries	4 x 3.6 V batteries
Operating time	approx. 3 years
Current consumption	approx. 50 µA
Frequency band	433 MHz with 16 channels 868 MHz with 8 channels
Range inside	max. 30 m
Range outside	max. 300 m
Application temperature	-5 °C ... +55 °C
Storage temperature without batteries	-20 °C ... +70 °C
Storage temperature with batteries	+25 °C ± 10 °C
Air humidity	≤ 95 % (without condensation)
Protection rating	IP42
Material	ABS
Color	white, similar to RAL 9010
Weight	approx. 315 g (incl. batteries)
Dimensions (ØxH)	135 x 88 mm incl. fire detector
VdS approval	G 205112
Specification	EN 54-18: 2005 / -25: 2009

Order data	**Part No.**
IQ8Wireless detector base	805593.10
4 spare lithium batteries	805579

Please refer to our Fire Detection Technology catalog for more order data.

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