ESSER
by Honeywell

IQ8Wireless detector base

- **Dual-band transmission technology with channel change**
- **Individual identification of the detector at the IQ8Control**
- **Regular function check of the detector**
- **Alarm and operation display on the detector**
- **Alarm and fault forwarding according to EN 54-2**
- **Fault signal if mounted wireless base or employed detector is removed**
- **Easy exchange of detector and/or battery with aid of the detector removal tool**
- **Permanent monitoring of the battery voltage**
- **Battery operatiog time up to 5 years depending on type of detector and environmental conditions**

General description

IQ8Wireless RF technology facilitates the cable-free connection of IQ8Quad automatic fire detectors (with and without alarm signaling devices), manual call points and the IQ8Alarm alarm signaling device to the IQ8Control fire alarm system. Already existing fire alarm systems can be expanded with the wireless communication or complete fire alarm systems can also be realized for smaller objects with wireless components. Transmission ranges of up to 300 m are possible depending on the environmental conditions (200 m with the wireless gateway).

The allocation of the wireless components to an IQ8Wireless transponder or gateway is carried out via the tools 8000 programming software. The battery charge state is checked automatically and their necessary replacement is indicated early at the fire alarm control panel and/or the wireless transponder* as a detector fault. The optimal installation location as well as the maximum possible transmission distance can be conveniently and quickly determined via the field strength measurement integrated in tools 8000.

Only automatic fire detectors and alarm signaling devices or manual call points may be assigned to a wireless transponder or to wireless gateway. A mixed operation of the two detector types is not permis- sible according to the corresponding EN regulations and VdS guidelines.

IQ8Wireless detector base

An IQ8Quad series automatic fire detector is simply placed** into the wireless base. The installation height must be synchronized with the type of fire detector, smoke detector or heat detector being used. The voltage supply of the wireless base is provided via four batteries. The wireless base is allocated to a wireless transponder and/or to wireless gateway with the tools 8000 programming software. A maximum of 32 wireless bases per wireless transponder and/or 10 per wireless gateway can be used.

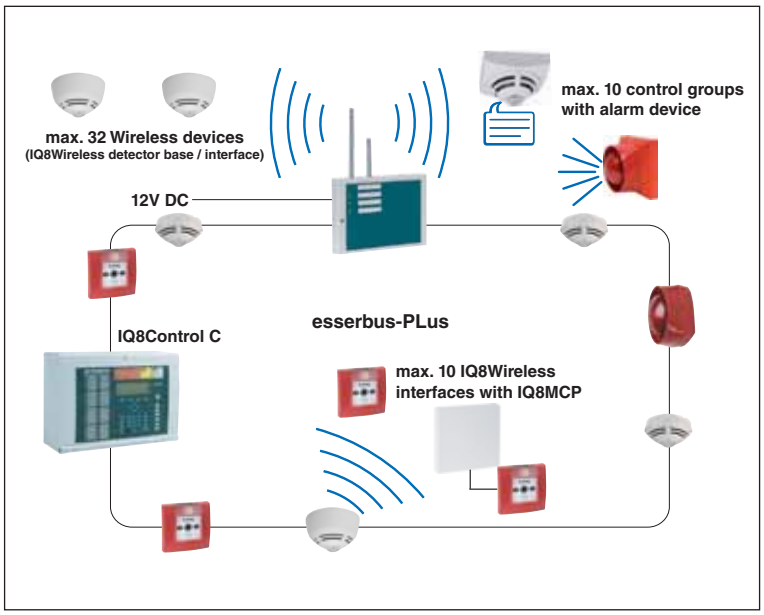
The ascertainment of the wireless signal range and of the suitable installation site is

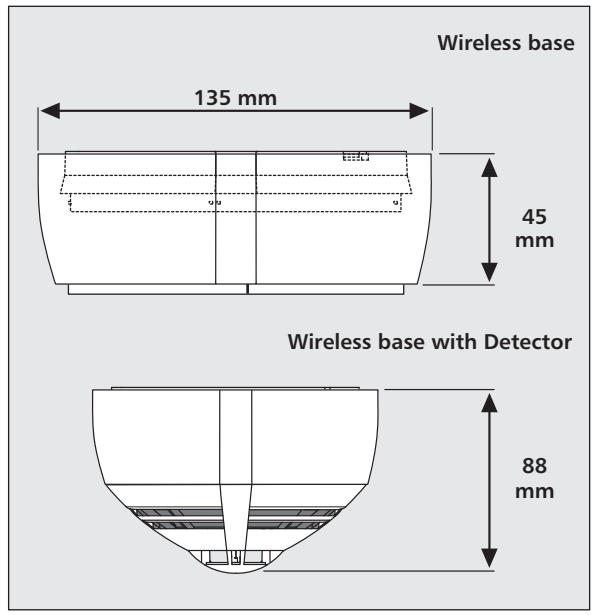
- possible on the one hand via the tools 8000 integrated field strength
- measurement or alternatively via about the built-in range measurement of the wireless base with the aid of the two-colour LED display.

A wireless base (including IQ8Quad fire detector) only occupies one address on the IQ8Control analog loop.

* In the case of allocation of the wireless components via wireless transponder.

**Compatible detectors as of Sept. 2007: O, O²T, rate-of-rise, fixed temperature, OTG





Technical data

Operating voltage	4 batteries each 3.6 V (AA)
Operating time	3 to max. 5 years
Current consumption	approx. 50 µA
Frequency band	433 / 868 MHz
Range inside	approx. 30 m
Range outside	max. 300 m
Application temperature	-5 °C to +55 °C
Storage temperature	without batteries -20 °C to +70 °C with batteries +25 °C ± 10 °C
Air humidity	≤ 95 % rel. humidity (without condensation)
Type of protection	IP 42
Material	ABS plastic
Colour	white, similar to RAL 9010
Weight	approx. 315 g (including batteries)
Dimensions (Ø x H)	135 x 88 mm including fire detector
Specification	EN 54-17
VdS approval	G 205112

Order information	**Part No.**
IQ8Wireless detector base	805593
3.6V lithium battery (4 pcs.)	805597

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

Part No. 797975.GO • 04/2009 • Technical information is subject to change without notice!

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