IQ8Wireless gateway

- **Dual band transmission technology with change of channels**
- **Meets EN54-25 requirements**
- **No external PSU or additional wiring required**
- **Communication with up to 10 wireless devices**
- **All wireless communication devices are integrated in the esserbus® as separate addressable devices**
- **Wireless communication devices can be assigned up to10 detector zones**
- **Alarm and fault forwarding in accordance with EN 54-2**
- **Detectors and batteries easy to change using the detector removal tool**
- **Fault signal generated when removing the gateway and the detector**
- **Constant monitoring of battery voltage**
- **Socket compatibility makes fire detection system simple to extend**

Wireless gateway with IQ8Quad detector

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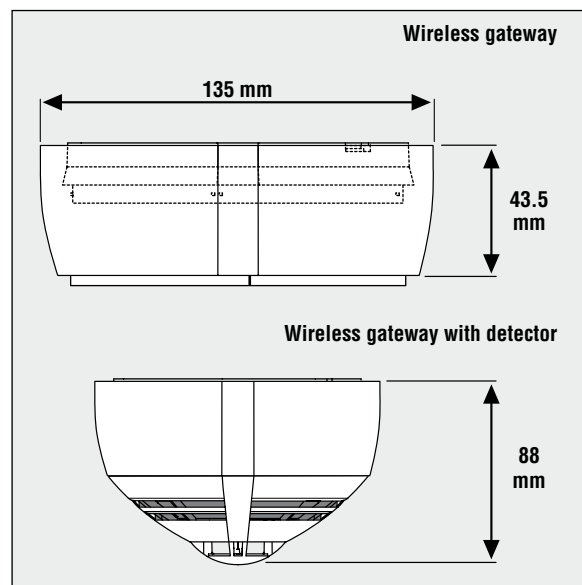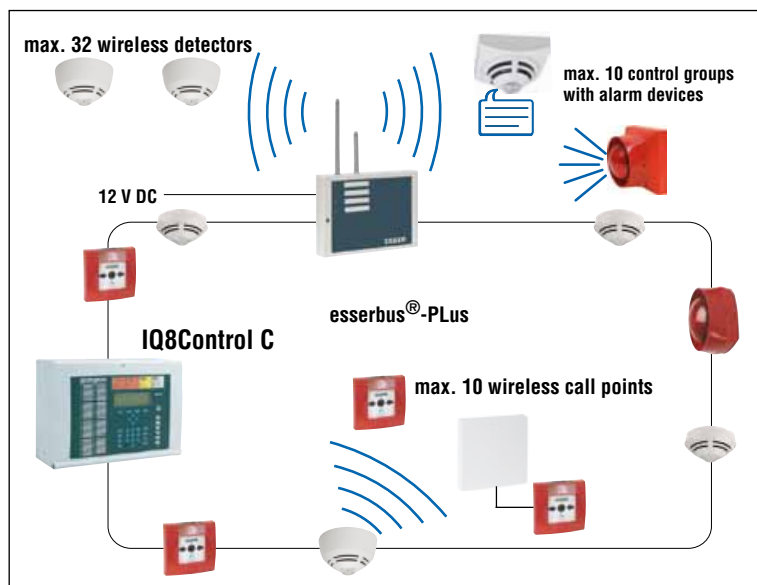
Only automatic fire detectors and alarm signalling units or MCPs may be assigned to a wireless transponder or gateway. In accordance with the relevant EN regulations and VdS standards, variable operation of both types of detector is not permitted.

Wireless Gateway

The wireless gateway acts as a transponder between the installed socket and detector. It is a quick and easy way of extending an existing fire alarm system, as no tools are required. By removing one of the detectors already installed on the ring and inserting the wireless gateway on the standard IQ8 detector base, up to 10 more fire detectors fitted with wireless detector bases or 10 addressable MCPs can be added to an existing system. For each wireless gateway, up to 10 components with the alarm signalling function - IQ8Alarm signalling unit and/or IQ8Quad fire detector with integrated alarm signalling unit - can be connected via the universal wireless interface. This is done without having to lay any more cables. Depending on the ambient conditions, wireless ranges of up to 200 m are possible. The wireless gateway must always be operated with an IQ8Quad detector**. The detector uses the wireless detector base or wireless interface to integrate the intelligent IQ8 wireless components into the esserbus® or powered loop; the IQ8 components thus become complete, separate addressable loop devices.

Up to 9 wireless gateways can be operated on a loop. Every wireless gateway reduces the maximum number of esserbus® nodes by twelve.

* when assigning the wireless components using a wireless transponder
** IQ8Quad detector without alarm signalling unitv

max. 32 wireless detectors

max. 10 control groups with alarm devices

12 V DC

esserbus®-PLus

IQ8Control C

max. 10 wireless call points

Wireless gateway

135 mm

43.5 mm

Wireless gateway with detector

88 mm

Specifications

Operating voltage	8 V DC ... 42 V DC
Batteries	4 x 3.6 V batteries
Battery operating time	approx. 3 years
Current consumption	400 µA ... max. 2.5 mA
Frequency band	433 MHz with 16 channels
	868 MHz with 8 channels
Range inside	max. 20 m
Range outside	max. 200 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. 265 g (incl. batteries)
Dimensions (ØxH)	135 x 88 mm (incl. fire detector)
VdS approval	G 206091
Specification	EN 54-17: 2005 / -18: 2005 / -25: 2009

Order data

	Part No.
IQ8Wireless gateway	805594.10
IQ8Wireless detector base	805593.10
IQ8Wireless universal interface, red	805601.10
IQ8Wireless universal interface, white	805602.10
IQ8Wireless mounting frame for IQ8Alarm, red and white	805603
IQ8Wireless mounting frame for IQ8Quad and IQ8Quad with alarm, white	805604
IQ8Wireless filler panel for wireless interface, red and white	805605
4 spare lithium batteries	805579

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