IQ8Wireless gateway for devices

Part-No.: 805594.10
Approval: VdS

This wireless gateway is especially designed for convenient and time-saving expansion of an already existing IQ8Control/FlexES Control fire detection system. By removing a detector already installed on the loop and adding the wireless gateway to the standard IQ8 detector base, up to 10 additional fire detectors equipped with wireless detector bases or 10 addressable manual call points can be added to the existing system. The universal wireless interface allows to connect up to 10 components per wireless gateway with alarm function, like alarm devices of Series IQ8Alarm Plus and/or IQ8Quad detectors with integrated alarms devices.
And all this without any additional cabling. Depending on the surrounding conditions, the wireless transmission can reach up to 200m. The wireless gateway must fundamentally be operated with an IQ8Quad detector. It integrates the intelligent IQ8Wireless components into the esserbus or esserbus-PLus via the wireless base or wireless interface, thus making these components fully individually addressable loop devices.
Up to 9 wireless gateways can be operated on the loop. Each wireless gateway reduces the maximum number of esserbus devices by 12 pieces.

Features:

- The wireless gateway can be mounted between detector base and IQ8Quad detector. No additional wiring required
- Suitable for IQ8Quad detectors w/o alarm devices
- The connection of a remote LED indicator for this detector is possible
- Up to 9 wireless gateways per loop
- Wireless communication with up to 10 devices
- Maximum 10 wireless bases
- Maximum 10 wireless interfaces with IQ8MCP manual call points
- Maximum 10 control groups for wireless interface with IQ8Quad/IQ8Alarm Plus alarm signaling devices
- All wireless devices are integrated as individually addressable on the esserbus / esserbus-PLus
- esserbus integration of all radiocommunication devices as individually addressable users
- The radiocommunication devices can be allocated in up to 10 detector zones
- Alarm and trouble transmission in accordance with EN 54-2
- Easy detector or battery replacement via detector removal tool
- Trouble signal when removing the gateway and the detector
- Permanent monitoring of battery voltage
- One gateway requires one loop address
- The total number of loop devices of the loop will be reduced by only 12 devices for each connected IQ8Wireless Gateway
- Max. 18 IQ8Wireless Gateways per FACP IQ8Control C
- Max. 45 IQ8Wireless Gateways per FACP IQ8Control M and FACP FlexES Control

Operating voltage	8 ... 42 V DC (via loop)
Operating voltage	4 x 3.6 V batteries
Voltage supply	4 x 3.6 V lithium battery
Current consumption	400 µA to max. 2,5 mA
Battery operating time	approx. 3 years*
Range inside	max. 20 m
Range outside	max. 200 m
Frequency band 1	433 MHz with 16 channels
Frequency band 2	868 MHz with 7 channels
Transmitter power	10 mW
Data transmission speed	EN 54-18:2005/-25:2008
Application temperature	-5 °C ... 55 °C
Storage temperature	-20 °C ... 70 °C
Air humidity	< 95 %
Type of protection	IP 42
Material	ABS
Color	white, similar to RAL 9010
Weight	approx. 265 g (incl. batteries)
Specification	EN 54-17:2005/-18:2005/-25:2008
Dimensions	Ø: 135 mm H: 49 mm (with detector H: 88 mm)
Declaration of Performance	DoP-20620130701

The standard detector base version IQ8Quad Part No. 805590 is not included in the RF gateway package.The batteries to be used are components of the device approval according to EN 54 and are specified by the manufacturer. With the IQ8Wireless radio components, only the approved batteries with part no. 805597 may be used. Use of batteries other than those specified by us automatically voids the product's device approval (VdS-approval) and may not be used for example in Germany in fire alarm systems under legal building regulations.*The battery operating time is dependent on the type of detector/device used, as well as the application temperature and additional surrounding conditions. It can be substantially reduced by increased current consumption of the wireless devices in the case of alarm, wireless interference or poor transmission, or even possibly through contact resistance at the contacts. Due to its nature, this article contains components classified as dangerous goods. Please clarify in advance with your forwarding agent if he accepts the transport of dangerous goods and if necessary observe the import regulations. The dangerous goods class for road transport or air transport is as follows: UN-No. UN3091 ADR-Class 9

4 x 3.6 V lithium batteries (Part No. 805597)

Accessories:

805597	4 x 3.6 V lithium batteries

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