

IQ8Wireless transponder for devices, wall mount



Part-No.: 805595.10

Approval: VdS

This wireless transponder is designed for wall mounting. The wireless transponder communicates with up to 32 other wireless devices. These can be wireless of various types from intelligent automatic fire detectors or wireless interfaces with manual call points and/or alarm signaling devices of the IQ8-family. Using the System IQ8Control/FlexES Control, the wireless transponder integrates the intelligent automatic detectors (with and without alarm signaling devices), manual call point and IQ8Alarm Plus signaling devices in the esserbus / esserbus-PLus via the wireless base and/or wireless interface. The detector base allows esserbus integration of intelligent automatic detectors as bus devices with individual addressing via the transponder. Up to 10 transponders can be operated on one loop. The transponder can be linked with the loop as well as with a conventional detector zone or it can be operated as a stand-alone unit. Potential-free outputs for common fault and common fire are available. For system 8000 the transponder for RF devices can only be connected by using a potential-free relay to 4 IN/2 OUT or 1 IN transponder, because it is not compatible with panel 8000 and it cannot be used as a bus device. The transponder needs an external supply voltage for operation.

Features:

- RF communication with up to 32 users
- maximum 32 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
- esserbus integration of all RF. Devices as individually addressable users
- The RF devices can be assigned in up to 32 detector zones
- Alarm and fault transmission in accordance with EN 54-2
- Connection to esserbus of IQ8Control / FlexES Control panels as bus device as well as to a conventional detector zones
- Stand-alone operation
- Potential-free outputs for common fault and common fire

Operating voltage	9 ... 30 V DC
Quiescent current @ 12 V DC	approx. 17 mA
Alarm current @ 12 V DC	approx. 18 mA
Range inside	max. 30 m
Range outside	max. 300 m
Frequency band 1	433 MHz with 16 channels
Frequency band 2	868 MHz with 7 channels
Transmitter power	10 mW
Data transmission speed	19,2 Kbit/s
Contact load relay	30 V DC/1 A
Application temperature	-5 °C ... 55 °C
Storage temperature	-10 °C ... 60 °C
Air humidity	< 95 % (non condensing)
Type of protection	IP 42
Housing	ASA + PC
Color	white, similar to RAL 9010
Weight	approx. 250 g
Specification	EN 54-17:2005/-18:2005/-25:2008
Dimensions	W: 200 mm H: 280 mm D: 39 mm (with detector H: 88 mm)
Declaration of Performance	DoP-20621130701



The external power supply of the IQ8Wireless transponder can come from the FACP or from an external power unit. The voltage for the wireless transponder can be supplied by the FACP or an external power supply. An individual, separately protected supply line must be installed for the voltage supply. The external voltage supply is monitored by the wireless transponder. If the wireless transponder is installed as a device on the IQ8Control/FlexES Control fire system loop, a disturbance is transmitted to the fire detection control unit via the loop and is indicated there.