

## IQ8Alarm Plus/FSO visual alarm device with sound, red/red



### Part-No. 807224RR

#### Approval: VdS

Addressable, completely bus supplied and short circuit / open circuit resilient combined fire alarm sounder and Visual Alarm Device (VAD) in compliance with EN 54-3 & EN 54-23 with integrated signaling tones and red light flash for acoustic and optical alarm signaling.

With up to 20 different programmable signaling tones including DIN tone in accordance with DIN 33404 Part 3.

The volume can be set to 8 different levels.

The optical signaling device is suitable for square signal ranges W-2.4-5 to W-3.6-8.

The optical signal range is adjustable in 6 sizes via tools 8000.

Signaling device with flat base, suitable for wall mounting.

Optionally, IP base Part No. 806202 with side cable entry and weatherproof protection can be installed.

#### Features:

- Completely bus supplied alarm device
- Powered loop compatible
- Low power consumption
- Up to 21 alarm devices for each powered loop
- Each alarm device has built-in isolator
- Synchronous trigger

#### Optical alarm properties:

- EN 54-23 compliant
- W category
- Signal range up to 8.0 m room width for wall mounting
- Room size configurable via tools 8000

#### Acoustic alarm properties:

- EN 54-3 compliant
- High acoustic pressure
- Volume programmable in 8 steps via tools 8000
- 20 different signaling tones, including DIN tone

#### Optic

Load factor optic	3 *1 ... 7,9
Frequency of flash	approx. 0.5 Hz *1 / 1 Hz
Flash color	red
Luminous intensity	approx. 6,6 cd eff. *1 / max. 17 cd eff. @ W-3,6-8
Signal range	W-2,4-5 / 60 m³ *1 (factory) ? W-3,6-8 / 230 m³
Mounting	Wall
Specification	EN 54-23: 2010 / -17: 2005

#### Acoustic

Load factor acoustic	1,5 *1 / 3
Sound level	91 *1 / 97 dB (A) +/- 2 dB @ 1 m / @ 90° angle / @ DIN Tone
Specification	EN 54-3: 2001 / A1: 2002 / A2 : 2006 / -17: 2005
	EN 54-3 Sounder

#### Common technical data:

Operating voltage	14 ... 42 V DC (via powered loop)
Quiescent current @ 19 V DC	55 µA
Quiescent current @ FACP battery	approx. 300 µA @ 42 V
Loadfactor total	4,5 *1 ... 10,9
Ambient temperature	-10 °C ... 55 °C
Storage temperature	-25 °C ... 75 °C
Air humidity	< 95 % (non-condensing)
Type of protection	IP 43 *2 IP 56 with IP base 806202 *3
Housing	Polycarbonate plastic
Color	red, similar to RAL 3020
Color	Calotte: translucent / partially frosted
Weight	approx. 300 g (with base)
Dimensions	Ø: 112 mm D: 78 mm Ø: 112 mm D: 93 mm (with IP base)
Declaration of Performance	DoP-21431171215



When using the flat IP base the db output reduces by an average of 3 dB.

\*1 Factory setting, configuration with service- and programming software tools 8000.

\*2 IP 21C acc. EN 54-3 / -23

\*3 Do not use the base for acoustic alarm applications in compliance with EN 54-3

Replacement for Part No. 807224.

To change the factory settings for EN 54-23 square signal ranges programming software tools 8000 from version V1.24 is required.

An easy to use online guide will help you to identify the right selection of EN 54-23 products for your project. Simply enter the room dimensions and get the overview for number of devices needed, their settings and calculations of load factor. To find on [www.esser-systems.com](http://www.esser-systems.com).

#### Accessories:

806202 IP base, red