



PANASONIC

Panasonic 4482RE TVK addressable sounder beacon, red

Product code 50027 · Emergency lighting > Field devices

Red addressable sounder beacon with short-circuit isolator for wall mounting. It combines a sounder to EN 54-3 and a visual alarm device to EN 54-23; the TVK version has additional terminals for the emergency lighting supply voltage.

- Sounder and beacon in one device, EN 54-3, EN 54-17 and EN 54-23
- Beacon coverage W-2.4-5.0 (5 × 5 m) or O (2.5 × 2.5 m)
- Flash rate 0.5 Hz or 1 Hz, selected with EBLWin
- Seven tone types and three priority levels
- Built-in short-circuit isolator
- Additional terminals for the emergency lighting supply voltage (TVK)



Product description

Panasonic 4482RE is a red addressable sounder beacon with a built-in short-circuit isolator. The device is connected directly to the COM loop and mounted on a wall. It is approved to EN 54-3 (sounder), EN 54-17 (short-circuit isolator) and EN 54-23 (visual alarm device) and is suitable for indoor use (type A), such as corridors, offices, toilets and other public spaces.

Beacon

The coverage of the red beacon is selected with EBLWin: at high power W-2.4-5.0 (5.0 × 5.0 m, 60 m³) or at low power O (2.5 × 2.5 m, 13 m³). The flash rate is 0.5 Hz or 1 Hz. The beacon must be installed at a height of no more than 2.4 m, and in class O no more than 2.1 m.

Sounder

The sounder has seven selectable tone types, including the DIN 33404, NEN 2575 and NFS 32-001 tones. Each of the three priority levels is programmed with its own control condition and tone type; when a higher-priority condition is met, the tone changes. The maximum sound level is 96 dB(A), and the highest minimum sound pressure level is approximately 89–94 dB(A) at a distance of 1 metre, depending on the tone.

Installation

The device works in Advanced mode with EBL512 G3 and EBL128 control panels from version 2.3 and with EBLOne control panels from version 3.3. The address is set automatically with EBLWin or with the 4414/4414E addressing tool. The keyholes on the sides of the device are covered with the vinyl stickers supplied.

TVK version

According to the product information, the TVK version has extra terminals for the emergency lighting power supply. This allows the 24 V supply line of the emergency lighting to be routed through the device along the same route as the COM loop, for example when MX emergency luminaires and exit signs are used.

Technical data

Product code	50027
Manufacturer	Panasonic
Product group	Emergency lighting > Field devices
Dimensions	147 × 106 × 92 mm
Weight	278 g
Operating temperature	-10...+55 °C
Storage temperature	-25...+70 °C
Humidity	Max. 95% RH, non-condensing
IP rating	IP21
Colour	Red
Material	Flame-retardant ABS and polycarbonate
Operating voltage	12–30 V DC (nominal 24 V DC)
Current consumption (quiescent)	2.5 mA
Current consumption (alarm)	27–69 mA (depending on light output and flash rate)
Input power	0.03–2.1 W
Sound output	Highest minimum level approx. 89–94 dB(A) at 1 m (depending on tone)
Tone types	Continuous 984 Hz, intermittent 984 Hz, alternating 644/984 Hz, DIN 33404, NEN 2575, NFS 32-001, Australian T3
Flash rate	0.5 Hz or 1 Hz
Coverage	W-2.4-5.0 (5.0 × 5.0 m) or O (2.5 × 2.5 m)
Address range	001–253
Short-circuit isolator	Yes
Mounting	Wall mounting, max. 2.4 m
Connection	Conductor 0.3–1.5 mm ²
EN 54 approval	EN 54-3, EN 54-17, EN 54-23
CPR	0786-CPR-21533
Standards	VdS 2344, VdS 2504, EN 61000-6-3, EN 50130-4, EN IEC 63000
Maximum sound output	Max. 96 dB(A)

Documents

The manufacturer's original documents can be downloaded from the product page (QR code at the top of this sheet).

Technical datasheet: Panasonic 4482RE TVK addressable sounder beacon

Product brochure: Panasonic 4482RE TVK addressable sounder beacon

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