

Explosion proof LKEH signal transmitter

Light combined with sound



Features

- ATEX certified
- Suitable for use in gaseous and dusty environments Zones 2 and 22
- 24 Volt DC, 16 Watt (max.)
- Available up to four LED units
- Volume adjustable
- Wall-mount or surface-mounting
- 32 pre-programmed sounds (FE series)
- Programmable voice synthesizer (FV series)
- Operating temperature -10 °C to +50 °C



II 3 G Ex ec IIC T4 Gc
II 3 D Ex tc IIIC T85°C Dc



Description

The LKEH series of explosion proof signal transmitters consists of a combination of a large horn and signal tower. Visible from a great distance thanks to the ultra-bright LED modules with a diameter of 100 mm. The LKEH produces sound up to 105 dB at one metre distance, with adjustable volume.

Thanks to its robust vibration-resistant design up to (2 G), the signal tower is also safe for use in high-vibration environments. Available with 32 pre-programmed sounds or with voice synthesizer.

The signal horn is explosion proof and certified in accordance with European Directive 2014/34/EU (ATEX 114) and is CE marked.



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Technical specification

Explosion safety:	II 3 G Ex ec IIC T4 Gc, II 3 D Ex tc IIIC T85°C Dc
European Directives:	2014/34/EU (ATEX 114) and 2014/30/EU (EMC)
Applied standards:	EN 55011:2007, EN 61000-6-2:2005, 60079-0:2018, EN 60079-7:2015 / A1:2018, EN 60079-31:2014
Dimensions:	100 mm diameter LED
Voltage:	24 Volt DC
Operating temperature:	-10 °C to +50 °C
Sound Type FE:	model FE: 32 digitally stored alarm sounds / model FV: voice synthesizer
Weight:	1 LED module: 1.8 kg / 2 LED modules: 2 kg / 3 LED modules: 2.2 kg / 4 LED modules: 2.4 kg
Volume:	Maximum 105 dB at 1 metre, adjustable volume
LED colours:	Up to four LED units, choose from: red, yellow, green, blue and clear

FE series order code (pre-programmed with 32 alarm signals)

LKEH-102FEF-R-EX	One LED unit, colour red, suitable for surface mounting
LKEH-102FEW-R-EX	One LED unit, colour red, wall mounting
LKEH-202FEF-RY-EX	Two LED units, colour red and yellow, suitable for surface mounting
LKEH-202FEF-RG-EX	Two LED units, colour red and green, suitable for surface mounting
LKEH-202FEW-RY-EX	Two LED units, colour red and yellow, wall mounting
LKEH-202FEW-RG-EX	Two LED units, colour red and green, wall mounting
LKEH-302FEF-RYG-EX	Three LED units, colour red, yellow and green, suitable for surface mounting
LKEH-302FEW-RYG-EX	Three LED units, colour red, yellow and green, wall mounting
LKEH-402FEF-RYGB-EX	Four LED units, colour red, yellow, green and blue, suitable for surface mounting
LKEH-402FEW-RYGB-EX	Four LED units, colour red, yellow, green and blue, wall mounting

Order code FV series (version with voice synthesizer)

LKEH-102FVF-R-EX	One LED unit, colour red, suitable for surface mounting
LKEH-102FVW-R-EX	One LED unit, colour red, wall mounting
LKEH-202FVF-RY-EX	Two LED units, colour red and yellow, suitable for surface mounting
LKEH-202FVF-RG-EX	Two LED units, colour red and green, suitable for surface mounting
LKEH-202FVW-RY-EX	Two LED units, colour red and yellow, wall mounting
LKEH-202FVW-RG-EX	Two LED units, colour red and green, wall mounting
LKEH-302FVF-RYG-EX	Three LED units, colour red, yellow and green, suitable for surface mounting
LKEH-302FVW-RYG-EX	Three LED units, colour red, yellow and green, wall mounting
LKEH-402FVF-RYGB-EX	Four LED units, colour red, yellow, green and blue, suitable for surface mounting
LKEH-402FVW-RYGB-EX	Four LED units, colour red, yellow, green and blue, wall mounting