LKEH-EX

CE ⟨Ex⟩ II 3GD Ex nA IIC T4 Gc, Ex tc IIIB T85°C Dc IP54 94/9/EC (ATEX) CENELEC: EN 60079-0, EN 60079-15, EN 60079-31

Explosion-Safe LED Hybrid Signal Tower

CE ⟨Ex⟩

LED

32 Channels (Binary)

63 Seconds

105 db at 1m

Explosion-Safe

FEATURES

- Explosion-Safe for gas and dust
- Suitable for Zone 2 and Zone 22
- CE Compliance in accordance to ATEX
- LED brightness is visible from a far distance with a big 100mm diameter module
- Super-bright LED colors corresponding to different voice, alarm, chimes and melody sounds.
- Voice alert messages of up to 63 seconds (64kbit/sec) with 5 channels for playback.
- 32 different melody, chime sound combinations are pre-recorded
- 8 sounds can be played back with bit input, or 32 sounds with binary input
- Stackable from 1 to 4 tiers
- Adjustable volume from 0 to 105dB (at 1m)
- MP3 model is field-programmable, using an SD Card for model LKEH-FV-EX
- Robust design able to withstand vibrations of up to 2G.
- Body is made of Acrylonitrite-Ethylene-Styrene for weather resistance
- One common wire can easily control both LED Units and audible signals
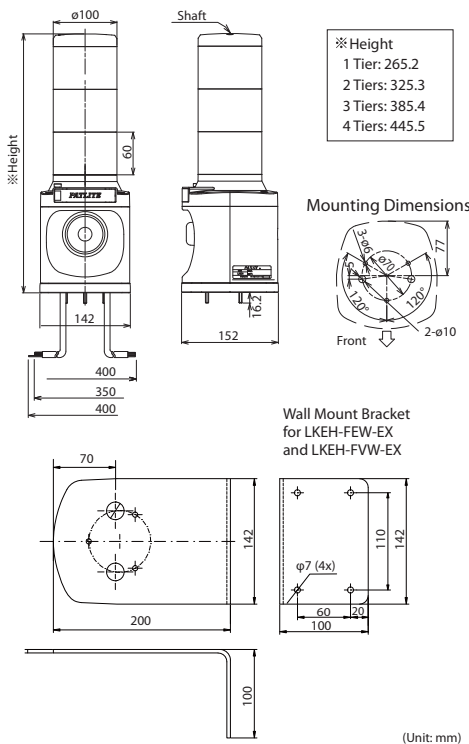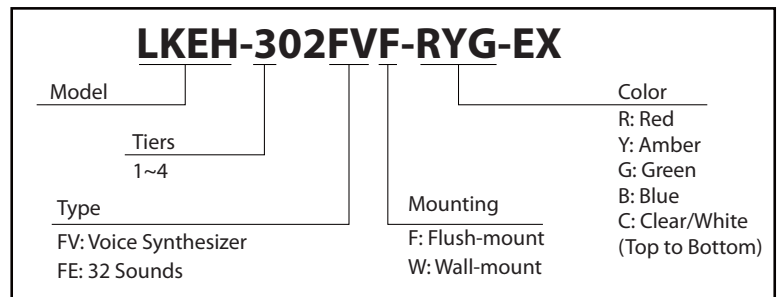- NPN open-collector connection is standard, PNP is available upon request

LKEH-FV-EX, LKEH-FE-EX

Dimensions

※Height
1 Tier: 265.2
2 Tiers: 325.3
3 Tiers: 385.4
4 Tiers: 445.5

ø100   Shaft

60

※Height

142

400
350
400

Mounting Dimensions

3-ø6 (ø10)
77
120° 120°
120°
16.2
152
Front   2-ø10

Wall Mount Bracket for LKEH-FEW-EX and LKEH-FVW-EX

70

142

200

φ7 (4x)

110 142
60 20
100

100

(Unit: mm)

How to Order

LKEH-302FVF-RYG-EX

Model

Tiers
1~4

Type
FV: Voice Synthesizer
FE: 32 Sounds

Mounting
F: Flush-mount
W: Wall-mount

Color
R: Red
Y: Amber
G: Green
B: Blue
C: Clear/White
(Top to Bottom)

Model	MP3	Power
LKEH-FEF-EX/LKEH-FEW-EX	—	14.2W
LKEH-FVF-EX/LKEH-FVW-EX	Supports	14.2W

SD Card (SDV-128) for models LKEH-FVF-EX and LKEH-FVW-EX is sold separately.

Sound Selection Chart

Beep (slow intermittent)	Stutter + Bell	Inverted Reveille	Annie Laurie
Stutter (rapid intermittent)	Melody Chime	Galactic Motor	London Bridge is falling down
Bell (clear high-pitch)	Chime	Ringing Phone	Mary had a little Lamb
Yelp (rapid siren)	Call Sign	Two Tone	Camptown Races
Rapid Hi-Lo	Train Ride	Alarm Clock	Amaryllis
Melody Chime	Galloping Hi-Lo	Ringing Hi-Lo	Mozart Symphony No. 40
Synthesized Piano	Alien Chatter	Fur Elise	Ave Maria
Synthesized Bell	Falling Crystals	Bach Minuet in Gmaj	Grandfather's Clock

Specifications

Model	Rated Voltage	MP3, Melody	Operating Temperature Range	Recordable Duration	Mounting Brackets	Channels	Mass
LKEH-FEF-EX	DC 24V	Type-E	-10°C to +50°C 85% RH or less	Pre-recorded	Flush-mount	8ch bit input, 32ch binary input	2.8kg
LKEH-FEW-EX		Type-E			Wall-mount	8ch bit input, 32ch binary input	3.2kg
LKEH-FVF-EX		MPEG1-Audio Layer III, 64kbit/s		63 seconds	Flush-mount	5ch bit input, 32ch binary input	2.8kg
LKEH-FVW-EX		MPEG1-Audio Layer III, 64kbit/s			Wall-mount	5ch bit input, 32ch binary input	3.2kg

- The mass is based on a 3-tiered LED Model LKEH. The mass will change in accordance to the number of tiers.