

INSTALLATION INSTRUCTIONS CLAMBELL

ClamBell (Part Code:CBE6-XY-024-ZZ)

X = Gong Colour, Y = Base type, ZZ = Language

General

Fire alarm bell for professional installation in commercial fire alarm systems. The following base options are available - shallow base, shallow base with US adaptor plate, deep base and purpose designed weatherproof base.

Specification

Input Voltage	20.4V ~ 27.6V dc
Maximum current	15mA
Output SPL @ 24V	92-96dB(A)
Ingress Protection EN 60529:1992+A2:2013	IP21C with Shallow Base / Shallow base with US adaptor IP33C with Deep base IP56 CAT. 2 with Weatherproof base* ¹
Cable entries	4 x Glanded Entry on Deep & Weatherproof base.
Back box fixings	Shallow base - All common electrical back boxes
	US adaptor plate - American Single / Double / 4" Gang / Octagonal
Terminals	0.5mm ² - 2.5mm ² cables
Operating Temperature	-10°C to +50°C (Shallow)
	-25°C to +70°C (Deep / Weatherproof)

*¹ Ingress Protection not approved by LPCB, tested and certified by Intertek.

Installation

Mounting shallow base

- 1.Ensure bell housing is correctly orientated upwards as marked by base arrows and gong open to left.
- 2.Fit base to wall or electrical back box (Not Supplied) with suitable fixings.
- 3.Feed Field wiring through enclosure and terminate as per wiring instructions.

Mounting US electrical back box adaptor plate with shallow base

- 1.Ensure adaptor plate is correctly orientated upwards as marked by arrows and fit to electrical back box (Not Supplied) with suitable fixings.
- 2.Feed field wiring through adaptor plate and shallow base (ensure shallow base has the arrows orientated upwards).
- 3.Clip shallow base to adaptor plate ensuring all clips are secure.
- 4.Terminate wiring as per wiring instructions.

Mounting Deep / Weatherproof base

- 1.Drill required number of cable gland entry holes where indicated on side of base.
- 2.Fit supplied glands and ensuring correct orientation (arrows up, gong to left) mount to wall through the four external lugs with suitable fixings.
- 3.Feed cable through glands and terminate as per wiring instructions.

NOTE: FULL WEATHERPROOF RATING ONLY ACHIEVED BY USING GLANDS PROVIDED. DO NOT DRILL THROUGH REAR OF HOUSING

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Ingress Protection EN 60529:1992+A2:2013	IP21C with Shallow Base / Shallow base with US adaptor IP33C with Deep base IP56 CAT. 2 with Weatherproof base* ¹
Cable entries	4 x Glanded Entry on Deep & Weatherproof base.
Back box fixings	Shallow base - All common electrical back boxes
	US adaptor plate - American Single / Double / 4" Gang / Octagonal
Terminals	0.5mm ² - 2.5mm ² cables
Operating Temperature	-10°C to +50°C (Shallow)
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Installation

Mounting shallow base

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- 2.Fit base to wall or electrical back box (Not Supplied) with suitable fixings.
- 3.Feed Field wiring through enclosure and terminate as per wiring instructions.

Mounting US electrical back box adaptor plate with shallow base

- 1.Ensure adaptor plate is correctly orientated upwards as marked by arrows and fit to electrical back box (Not Supplied) with suitable fixings.
- 2.Feed field wiring through adaptor plate and shallow base (ensure shallow base has the arrows orientated upwards).
- 3.Clip shallow base to adaptor plate ensuring all clips are secure.
- 4.Terminate wiring as per wiring instructions.

Mounting Deep / Weatherproof base

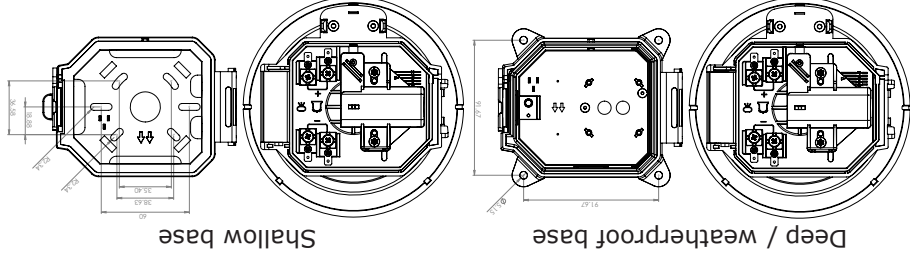
- 1.Drill required number of cable gland entry holes where indicated on side of base.
- 2.Fit supplied glands and ensuring correct orientation (arrows up, gong to left) mount to wall through the four external lugs with suitable fixings.
- 3.Feed cable through glands and terminate as per wiring instructions.

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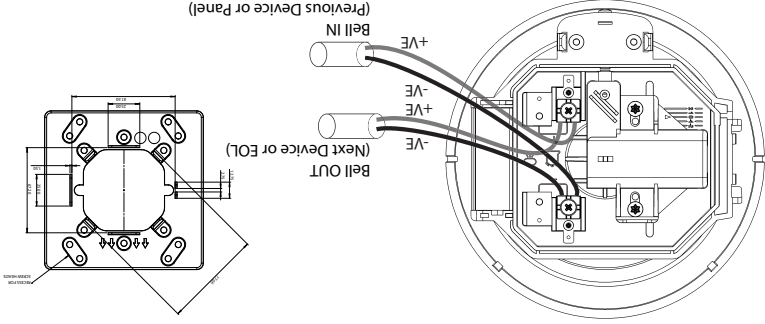
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Mechanical Information



Wiring

US back box adaptor plate



Note:

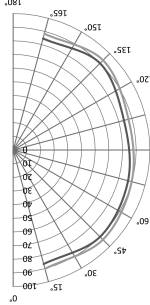
Once all the field wiring has been completed and the unit tested, the anti-tamper screw should be removed from the base and fitted to the clip to avoid unauthorised opening.

Polar Plot

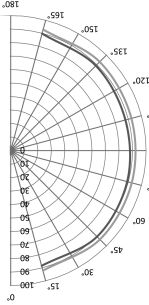
Polar data provided at Min. / Max. dc supply and at 1 metre distance.

Product should only be mounted vertically (arrows orientated upwards)

Horizontal	Angle	20.4V	27.6V
15°	86.44	90.04	92.14
45°	89.94	92.84	94.24
75°	87.04	89.74	92.34
105°	83.94	87.34	90.04
135°	89.94	93.04	95.14
165°	84.64	88.24	91.74



Vertical	Angle	20.4V	27.6V
15°	88.44	92.14	94.24
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105°	87.64	92.34	94.04
135°	88.84	92.94	95.54
165°	89.64	92.74	95.34



Document available in other languages

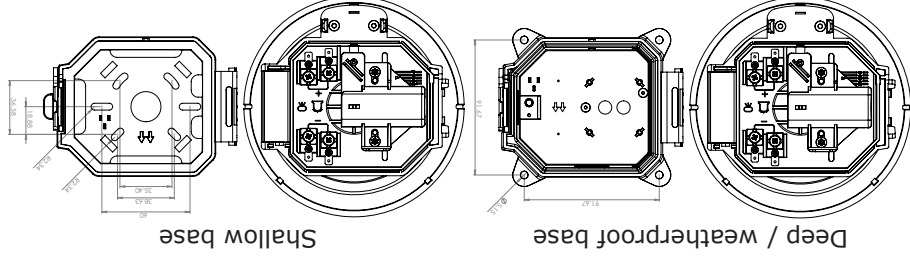
3500065_REV0102 E&OE

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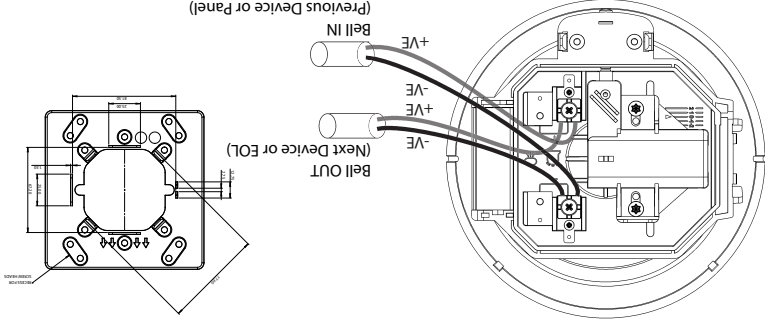
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US back box adaptor plate



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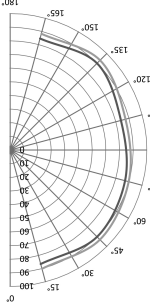
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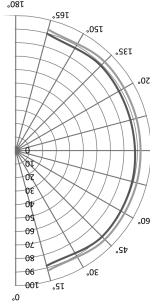
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