

# INSTALLATION INSTRUCTIONS



Fire Alarm Bells (Part Code: ZT-BELL/6 , ZT-BELL/6/D, ZT-BELL/6/WP)

## 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 <sup>2</sup> - 2.5mm <sup>2</sup> 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**

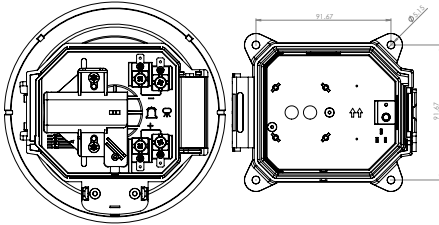
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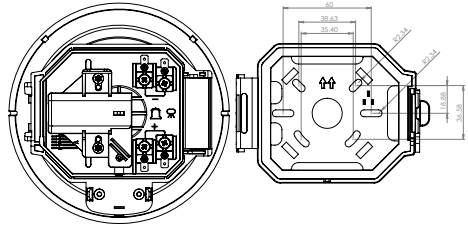
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## Mechanical Information

Deep / weatherproof base

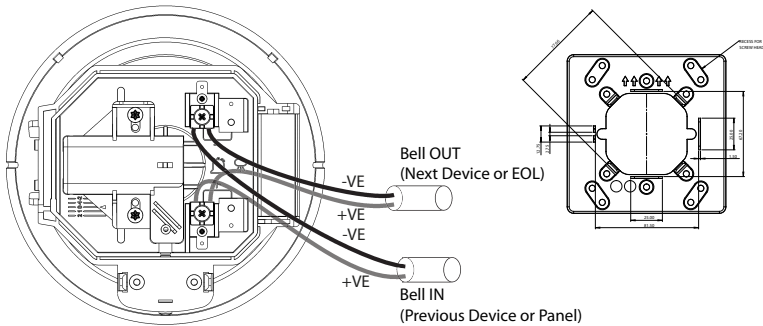


Shallow base



## Wiring

US back box adaptor plate



### Note:

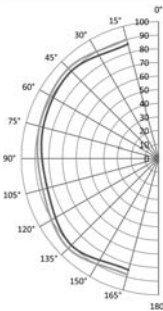
Once all the field wiring has been completed and the unit tested, the anti-tamper screw should be removed from the base and fitted to the clip to avoid unauthorised opening.

## Polar Plot

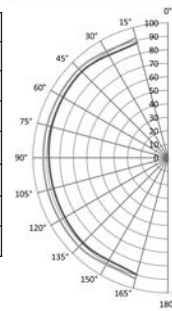
Polar data provided at Min. / Max. dc supply and at 1 metre distance.

**Product should only be mounted vertically (arrows orientated upwards)**

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



Angle	Vertical	
	20.4V	27.6V
15°	88.44	92.14
45°	90.24	93.24
75°	89.04	92.64
105°	87.64	92.34
135°	88.84	92.94
165°	89.64	92.74



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