Excel Bedlam Loud Tonecaller

The Bedlam Loud Tonecaller is for use in office or factory areas with high background noise level, and is available as a Domestic version fitted with a 3 metre cord terminated with a 431A telephone plug, or Trade version intended to be hardwired to the telephone system after the telephone master socket by an engineer responsible for the system.

The Tonecaller will emit a loud sound in sympathy with the ringing signal, and will be silent at all other times. It is factory set to maximum sound output and close proximity could result in hearing damage, therefore it should not be mounted within 3 metres of persons using the area.

Telephone lines should provide enough current for two or more phones or tonecallers whose RENs add up to 4.

The Bedlam Loud Tonecaller has a REN of 0.75.

Even where the number of phones or tonecallers has been limited there is no guarantee that different types of phones on the same line will ring,

Installation

Before fixing the unit in position make sure that the tonecaller is not connected into the telephone wall socket, as an incoming call will activate the unit before you are ready.

The Tonecaller should be mounted high up on a secure vertical wall or upside down from an overhang with the tonecaller nose facing the direction that the sound is to be projected. Never mount the tonecaller with the nose facing upwards, since it would then collect dust and / or water and may suffer failure.

Fix the base mounting bracket (1) to the suitable surface via the two slots using suitable screws and wall plugs. Fix the base unit (2) into the base mounting bracket (1). Make sure that the line cord is routed to the master or secondary telephone socket so that it cannot be damaged by accident and that any excess cord is secured safely.

Now plug the cord into the telephone socket and the tonecaller is ready for use and will sound when an incoming call is present.

On the **Trade version** pass one end of the 6-wire telephone cable through the cable gland, after first loosening the outer clamp nut. Terminating two wires of the cable to the screw terminals marked 1 & 3 (3) or to the Insulation Displacement Connector (IDC) pins 1 & 3 (4). Now tighten the outer clamp nut of the cable gland onto the cable to secure it.

Take the nose unit (5) and rubber sealing O-ring (6), passing the red and black wire from the base unit (2) through the plastic sleeve and O-ring. Terminate them in the terminal block (7) in the rear of the nose, with Red wire to terminal marked RED and Black wire to terminal marked BLACK. With the O-ring in place fit the nose on to base unit and lock in place using the security screw (8).

Complete the installation by running the cable to the nearest master or secondary socket using standard installation practice and terminate the free end of the cable to the socket terminals as follows:

Base Unit Terminal	Telephone Socket Terminal
1	2
3	5

If the sound output from the tonecaller is too loud, the level may be adjusted by turning the volume adjuster (9) in the nose part, in the direction shown on the terminal label.

The tonecaller has an optional second tone that can be selected by the Switch (10) in the nose part; the tone is preset to Buzz.

Tone	SW1	SW2
Buzz	On	0ff
Cont.	0n	Off

Important Note

Disconnect the unit from the socket terminals before opening the unit as hazardous voltages may exist inside if the unit is left connected to the line.

Warranty

1 year from purchase:

Provided that the goods have only been used for the intended purpose, have not been subjected to misuse or accidentally damaged, and that the goods have not been tampered with or repaired by anyone other than Hosiden Besson Staff.

If a fault occurs the product should be returned to the point of purchase for repair or replacement.
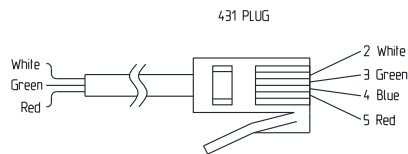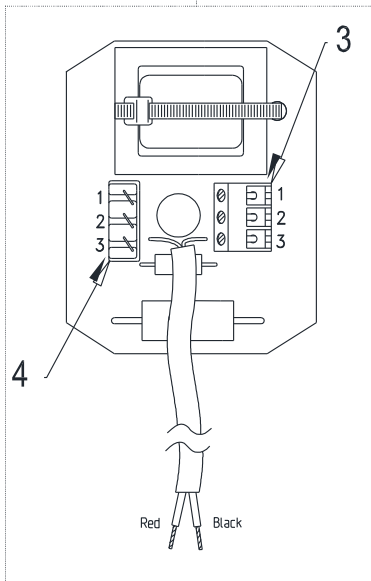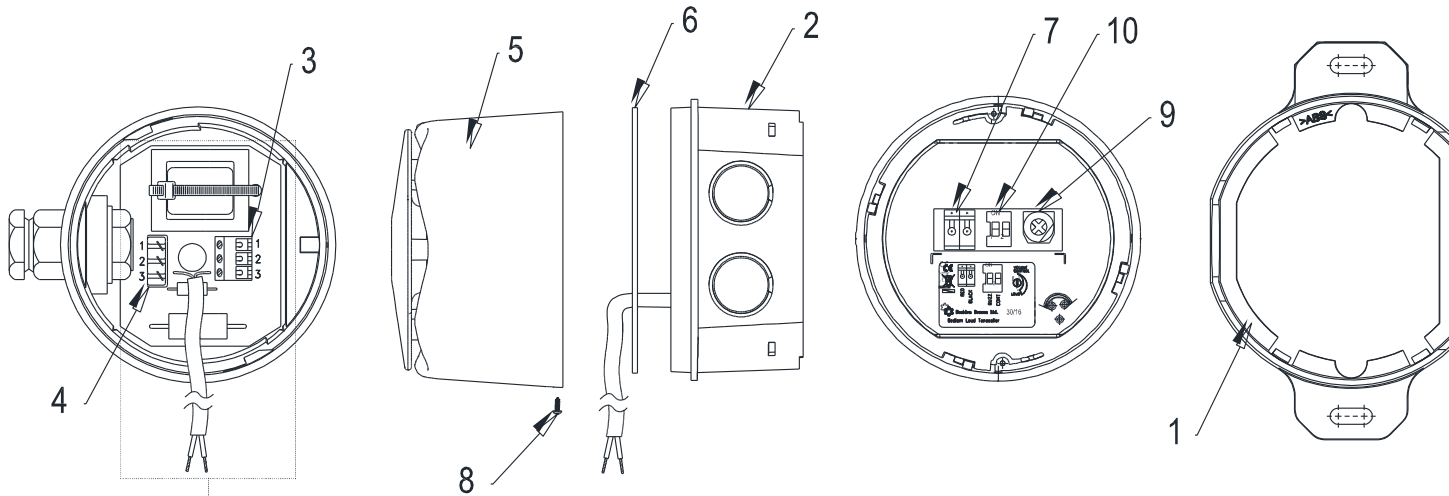
Tested to the Following Standards

BS 6305: Ringer Equivalence Number Clause 4.2.1

IEC60950-1: LVD Electrical Safety.

IEC60529: Water and Dust ingress protection IP66.

BS EN 55022:2010: IT Equipment Radio Disturbance, Emissions.

BS EN 55024:2010 + A1:2015: IT Equipment Immunity Characteristics.

MASTER SOCKET

LINE
IDC/TERMINAL BLOCK
CONNECTION

431 PLUG

White
Green
Red

2 White
3 Green
4 Blue
5 Red

431 SOCKET

2
3
4
5

5
4
3
2

Red   Black