

# BEL4

# Operating Instructions

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## **BEL4**

The BEL4 is a loudspeaker termination unit which allows simple monitoring of individual speakers and enables a low impedance speaker to be fitted to 100V line Voice Alarm systems. The BEL4 is available in two versions – supplied as a single PCB (BEL4) or with the PCB housed within a metal clad box (BEL4B).

The unit is dust and water resistant (BEL4B), and contains a BEL3 reassurance device.

100v line connection to the unit is via a ceramic terminal block, therefore, if fire rated cable is used, the unit is BS5839 Part 8 compliant. Another useful feature is that the BEL4 incorporates a 100-Volt transformer – making it unnecessary to fit transformers to the speakers.

The unit will work in conjunction with a variety of 4 or 8Ω speakers with transformer tapings of 6, 3, 1.5 and 0.75 Watt.

Connection of the speakers is made via a 6-way screw terminal block and connection details for the speaker are clearly shown on the PCB.

The LED acts in the same way as the BEL3 LED in that the unit locates at each loudspeaker and shows full operation via the LED indicator. If a fault exists, the LED will not illuminate and a fault indicator will sound at the main equipment rack.

Wiring is also a quick and easy process, just connect the loudspeaker lines to the unit then fit the speakers using the 6-way screw terminal block. It is also possible to wire up the entire system and then carry out a line test to ensure there are no problems. The speakers can then be added at a later date.

**NB: BEL2, BEL3 and BEL4 units only work in conjunction with the BEL1 and all units employ high temperature connection blocks to conform with BS5839 Part 8.**

Move Link To Select  
Required Tapping  
(Default 3W)

