



# PUBLIC ADDRESS BT PRODUCTS

## Public Address



BT products enable staff to make public address announcements from their own desk telephone. The free-standing units act as an interface between the analogue telephone system and the PA. There are two products in the range:

BT5 • BT8

### FEATURES:

- Operated by simply dialing the BT5/BT8 extension number.
- Each unit is supplied with an IEC mains lead.

### BT5 unit:

- Connect to a telephone extension socket and the public address amplifier.
- Fully approved by BT (approval number S/2455/3/H/452969).
- The BT5 will provide the user an acknowledge tone, followed by a chime (optional OPT33 fitted). A live broadcast announcement can then be made.
- Upon completion of the broadcast the BT5 will disconnect from the PA system and release the telephone extension ready to accept another call.
- Outputs are selectable from line or microphone level.
- Priority level control available.

### BT8 unit:

- Can be used to broadcast live announcements.
- Additional facility enables the user to pre-record an announcement. This reduces the risk of feedback where the telephone is adjacent to a loudspeaker.

- When connected to a telephone system with MF signalling, the BT8 enables the user to select up to eight zones via the telephone keypad.
- An internal selector determines if the recorded message is played once or twice.
- Can be wired into any two-wire analogue extension port via a designated master extension socket. Another option is to connect the unit to the paging port available on most modern telephone switches. However, they are not designed to operate on keyphone system extension ports.
- Outputs are selectable from line or microphone level.
- Signal output and zone select connections are via a 25 way D connector.
- Compatible with our BDM300 range of desk microphones (connected via the BMS25 socket box supplied with the microphone).
- We recommend using our B81R relay unit for the zone select switching.
- Please note: the BT8 is not approved for direct connection to the BT network. Under general approval NS/G/23/J/100003 it may be connected to a port on a telephone switch (PABX). This unit should only be used with a switchable amplifier input.

## BT5 & BT8 SPECIFICATION:

|   | BT5                                    | BT8                                    |
|---|--|--|
| Ring voltage                                | 11V @ 50Hz                             | 20-70V @ 17-25Hz                       |
| REN value                                   | 1.0                                    |  |
| Mic output level                            | 5mV @ 22 ohms                          | 2.5mV @ 22 ohms                        |
| Line output level                           | 0dBm @ 600 ohms                        | 0dBm 775mV @ 220 ohms                  |
| Engaged tone                                | 600 Hz, 250ms on - 250ms off, -13dBm   | n/a                                    |
| Acknowledge tone                            | 600 Hz, 2 sec @ -13dBm                 | n/a                                    |
| Tone level to line                          | -13dBm                                 | n/a                                    |
| Min line level to hold                      | 30mA                                   | n/a                                    |
| <b>Cleardown by either of the following</b> |  |  |
| Time out delay                              | normal 28 sec - engaged/busy 8 sec     | recorded 55 sec - live 2.5 mins        |
| K break                                     | n/a                                    | interruption of line current           |
| Voice operated switch                       | absence of caller speaking             |  |
| DTMF tone                                   | n/a                                    | sent from caller to terminate the call |
| <b>Audio connections</b>                    |  |  |
| Zone select outputs                         | n/a                                    | 8 x NPN open collector 40V @ 100mA max |
| Amplifier access output                     | 1 x NPN open collector 40V @ 100mA max |  |
| Amplifier busy input                        | connects to 0V via amp busy            | opto-coupled 12-30V 7mA max AC/DC      |
| <b>General</b>                              |  |  |
| Supply input                                | 220-240V, 50Hz                         | 220-240V, 50/60Hz                      |
| Fuse protection                             | 50mA (F) 250mA (T)                     | 20 x 5mm 250mA (T)                     |
| Dimensions mm W x H x D                     | 270 x 122 x 70                         |  |



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