



ARCHEAN TECHNOLOGIES

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BT5 / BT8

Public Address BT products

MADE IN 
5 years warranty

- 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.
- Compatible with our BDM3xx range (connected via the BMS25 du microphone) each unit is supplied with an IEC mains lead.
- For the BT8 the signal output and zone select connections are via a 25 way D connector and an internal selector determines if the recorded message is played once or twice.
- Operated by simply dialing the BT5/BT8 extension number.



BT5



BT8

Features BT5	
Connection	Connect to a telephone extension socket and the public address amplifier
Procedure	The BT5 will provide the user an acknowledge tone, followed by a chime (optional OPT33 fitted). A live broadcast announcement can then be made
Broadcast	Upon completion of the broadcast the BT5 will disconnect from the PA system and release the telephone extension ready to accept another call
Outputs	Outputs are selectable from line or microphone level
Priorities	Priority level control available

Features BT8	
Connection	When connected to a telephone system with MF signalling, the BT8 enables the user to select up to eight zones via the telephone keypad.
Broadcast	Permet de réaliser des annonces en appel sélectif (8 zones) ou en appel général.
Extra	Additional facility enables the user to pre-record an announcement. This reduces the risk of feedback where the telephone is adjacent to a loudspeaker.
Selector	An internal selector determines if the recorded message is played once or twice. (BT8)
Cabling	Can be wired into any two-wire analogue extension port via a designated master extension socket.
Other	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	Signal output and zone select connections are via a 25 way D connector
BDM300	Compatible with our BDM300 range of desk microphones (connected via the BMS25 socket box supplied with the microphone).

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Technical features	BT5	BT8
Ring voltage	11 V @ 50 Hz	20 - 70 V @17 -25 Hz
REN value	1.0	
Mic output level	5 mV @ 22 Ω	2,5 mV @ 22 Ω
Line output level	0 dBm @ 600 Ω	0 dBm 775 mV @ 220 Ω
Engaged tone	600 Hz, 250ms on - 250ms off, -13dBm	-
Acknowledge tone	600 Hz, 2 sec @ -13 dBm	-
Tone level to line	-13dBm	-
Min line level to hold	30mA	-
Cleardown by either of the following		
Time out delay	normal 28 sec - enclenché/occupé 8 s	recorded 55 sec - live 2.5 mins
K Break	-	interruption of line current
Voice operated switch	absence of caller speaking	
DTMF tone	-	sent from caller to terminate the call
Audio connections		
Zone select outputs	-	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
General		
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	