

SIMPLEX P.A. SYSTEM

Technical Details

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BALDWIN BOXALL
COMMUNICATIONS

SIMPLEX PUBLIC ADDRESS SYSTEM

(British Telecom Approval Number - NS/2405/2/E/022890)

The unit consists of two approved enclosures, one acting as a *SEND* unit which derives its power from the 100 volt line from the local amplifier. The second enclosure houses the *RECEIVE* unit which needs to be locally powered from 240V A.C.

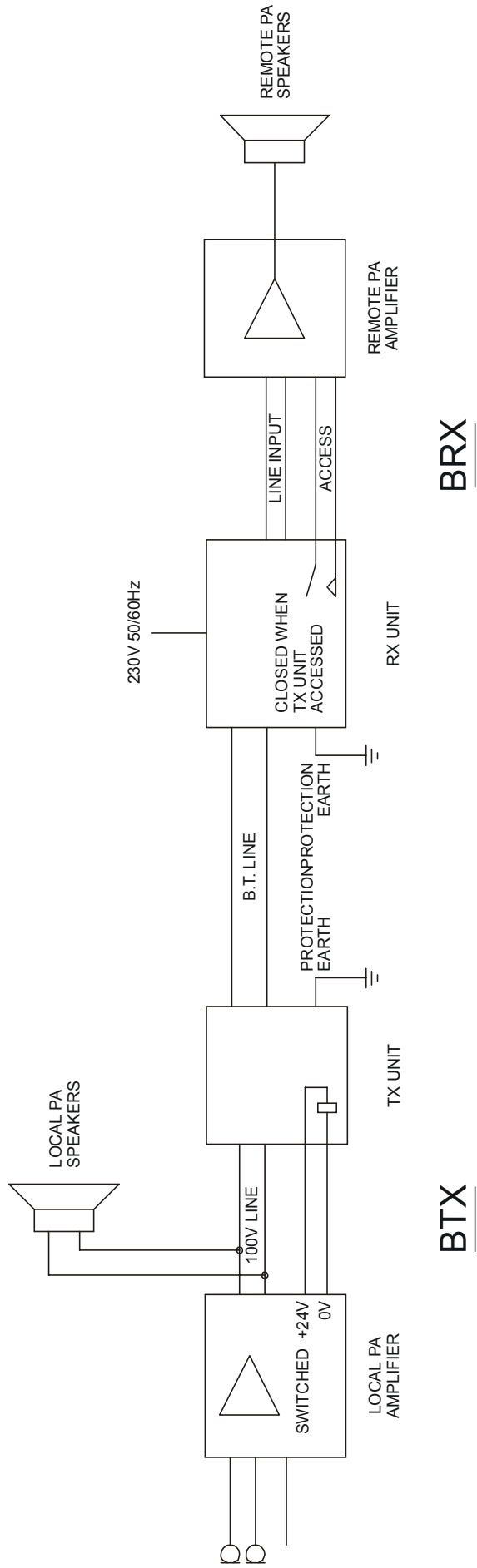
SEND OR TRANSMIT UNIT

Landline output impedance @ 1KHz	600 Ohms
Landline output level for 25 volt input	-12.5 dBm
Landline output level for 100 volt input	-8 dBm
Frequency response @ 15 volt input	200Hz & 3KHz @ -3 dB

RECEIVE UNIT

Landline input impedance @ 1KHz	600 Ohms
Output level with -15dB line input:	LINE 0.775V (0dB)
	MIC 4mV
Output impedance @ 1KHz:	LINE 600 Ohms
	MIC 22 Ohms
Max. Output Level:	LINE 3.25V
	MIC 17mV
Frequency Response	250Hz to 6KHz @ -3dB
Crosstalk voice switch threshold	-46dBm
Maximum DC signal current	15mA
Maximum landline DC resistance return path	2 KOhms
Signal input	220 - 240V A.C. @ 50 - 60Hz

Note : If the BTX (SEND) is not connected to the BUSY output of the Local PA Amplifier it will be necessary to remove the relays from both the BTX and BRX units.



A Typical Simplex Public Address System