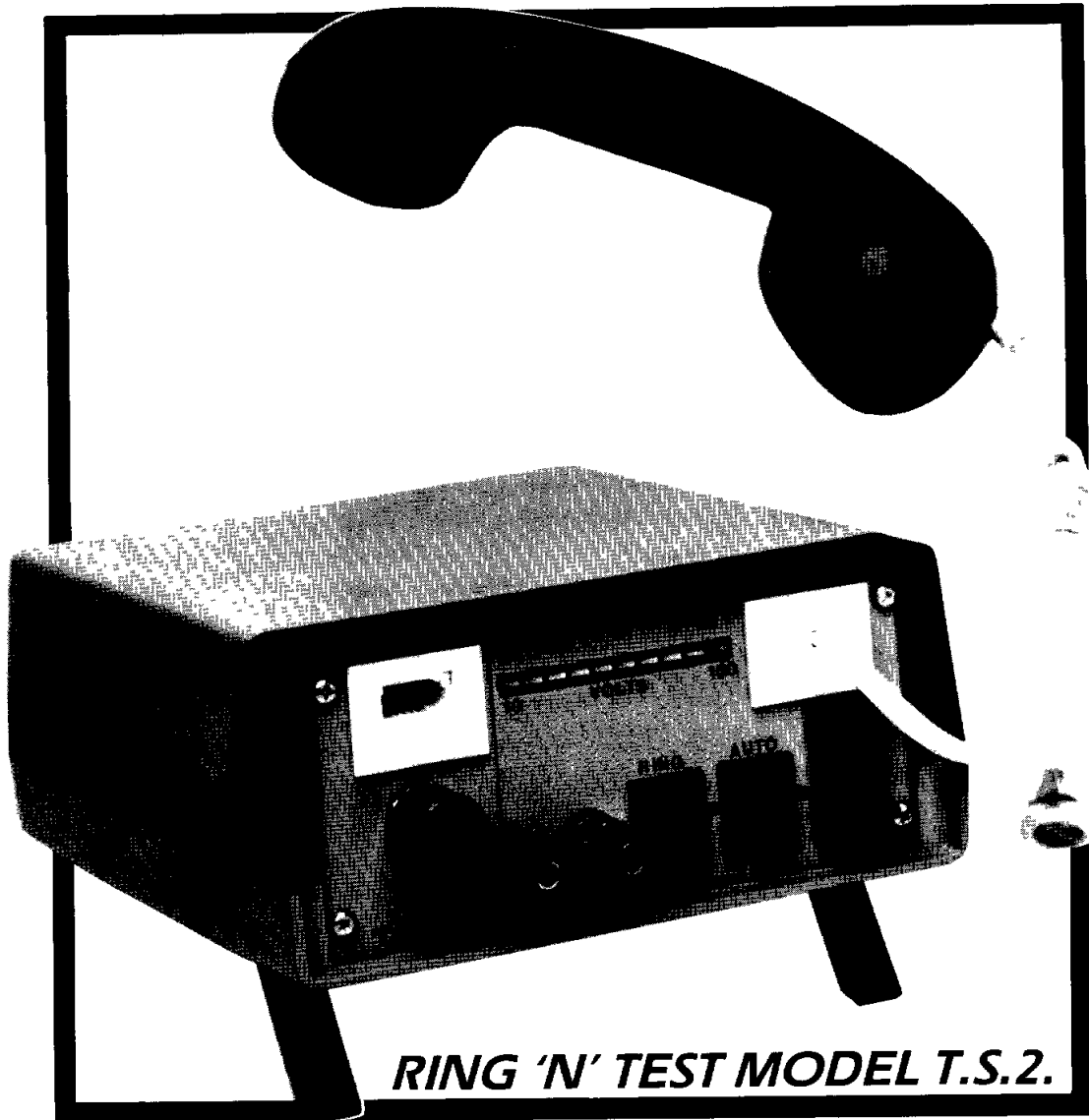


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TELETRON SYSTEMS LTD

Telephone Exchange Simulator

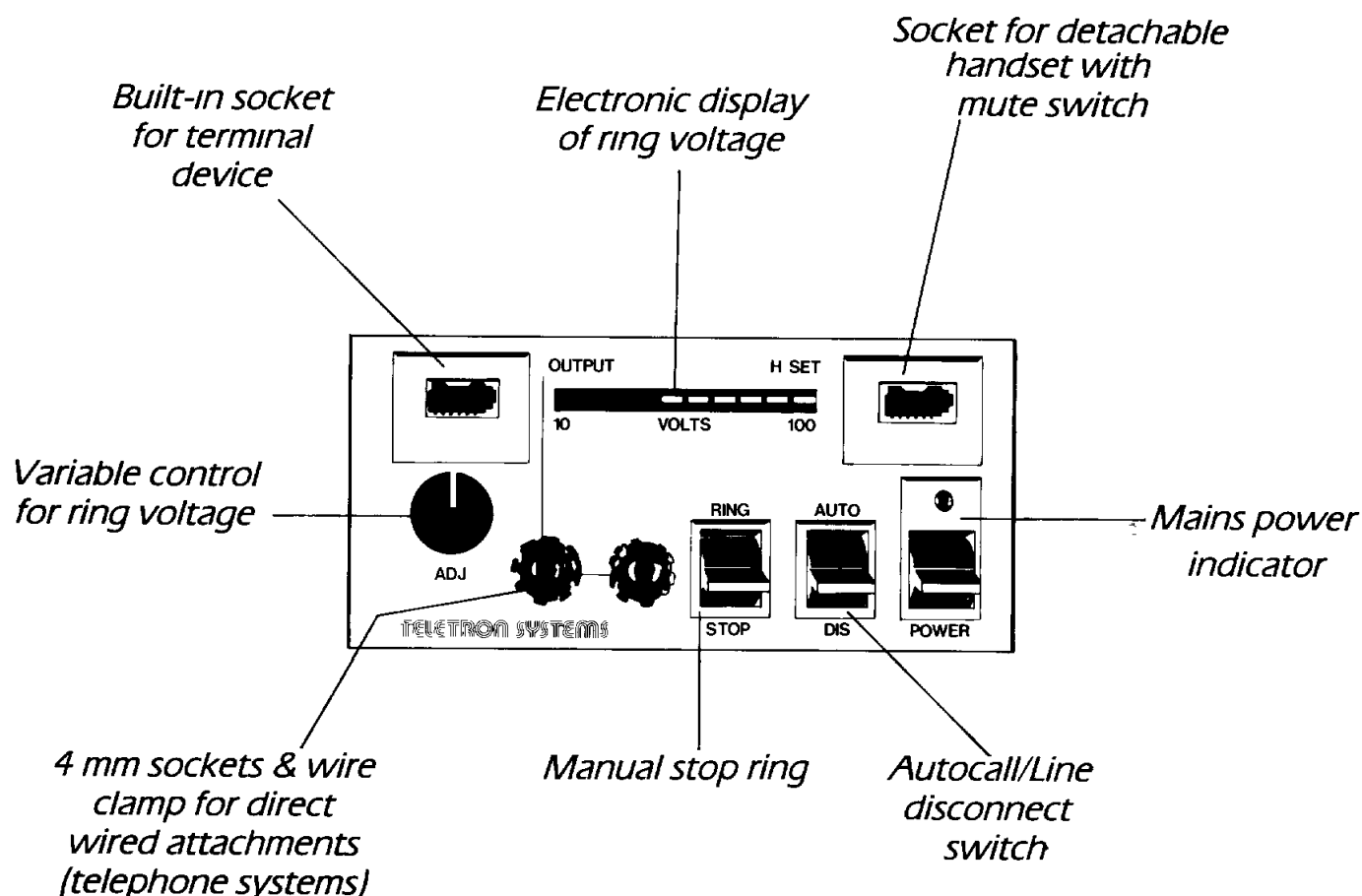


- DEMONSTRATING OF TELEPHONE SYSTEMS & ATTACHMENTS
- REPAIR & TEST TELEPHONE EQUIPMENT
- INSTALLATION TESTING
- TESTS THE FOLLOWING:
 - Key & PABX Telephone Systems
 - Telephone Instruments
 - Answering Machines
 - Telephone Switching Equipment

01734 730577

THE TELETRON RING 'N' TEST

This instrument is DESIGNED to simulate most of the practical line characteristics found on the P.S.T.N. to enable the user to generate a variable ring voltage and automatically changeover to line voltage when the terminal device (i.e. Answering Machine) has answered, thus enabling speech from the attached handset to communicate with the terminal device.



SPECIFICATIONS

Supply Voltage – 240 vAC/50 Hz 10 VA MAX Dimensions Width 140 mm Length 180 mm
Height 65 mm Weight 1 kg – Ring Voltage – Variable 0-80 vAC 50 Hz
Cadance on .4 secs of .2 secs on .4 secs off 2 secs
Line Voltage 35 vDC 120 Ma MAX
Speech output into 600 Ω – 10 dBm (Av)
MAX ringing drive load 1.5 K Ω @ 75V. 50 Hz

MANUFACTURED IN ENGLAND BY:

Teletron Systems Limited

Unit 4A, Weller Drive, Hogwood Lane Industrial Estate,
Finchampstead, Wokingham, Berks RG11 4QX
Telephone: Eversley (0734) 730577 Fax: (0734) 730667

TELETRON SYSTEMS LTD

Communications Equipment, Designers, Manufacturers and Consultants

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Berks RG11 4QZ. Telephone: Faversley (0734) 730577 Fax: (0734) 730667 Telex: 848210

OPERATING INSTRUCTIONS FOR MODEL TS2 RING 'N' TEST UNIT

GENERAL DESCRIPTION

The Teletron Ring 'N' Test unit enables you to generate a ringing voltage and thus allow a telephone or telephone system to answer that ringing voltage. This also applies to a Telephone Answering Machine. As the line is looped the ringing voltage is removed and line voltage re-applied. Speech can then be transmitted from the attached handset to the terminal device. A ringing voltage is adjustable between 0 and approximately 75V AC 50z.

POWER SWITCH

This must be turned on and the LED indicating this will glow.

TO RING FROM THE UNIT TO THE TERMINAL DEVICE

Firstly connect your telephone or Answering Machine to the output socket, or you may connect to the 4mm sockets if no plug is available. Push the Auto Dis switch down; push the ring switch to ring (up). The device will then start to ring without that ringing voltage being present at the output terminals. Indication to the voltage is given on the bar graph LED display. By adjusting the black knob marked Adj you may vary this voltage. Normally the voltage is set to maximum to simulate the 75V AC that is usually present from a British Telecom line. (this knob may sometimes feel warm to the touch; this is normal).

TO ENABLE A RINGING VOLTAGE TO BE APPLIED TO THE TERMINAL DEVICE

Simply push the Auto Dis switch towards the Auto position. As soon as the terminal device answers i.e. telephone lifted or line looped, the ringing voltage will stop and the line voltage will be applied to the terminal device. In this mode the ringing voltage generator is disconnected whilst the line is looped. As soon as the line is de-looped the ringing generator automatically rings again. This may be particularly useful if you wish to soak test an Answering Machine for example, on a repeat call-ring up basis. Alternatively after the terminal device has answered you may push the ring switch down towards stop.