

# Loudspeaking Telephone 4



DESCRIPTIVE

DLE 512

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TELEPHONE  
APPARATUS

This modern-style loudspeaking telephone is particularly suitable for the occasions when business executives find it an advantage to have both hands free when using the telephone. A good volume of amplified speech without distortion can be obtained as the speaker operates in only one direction at a time. The voice of the user switches the microphone circuit into use and incoming speech switches over to loudspeaker.

The fully transistorised unit, loudspeaker, dial, switches and microphone are housed in a compact two-tone grey metal cabinet; a grey handset is mounted at the rear for normal telephone use when required.

The loudspeaking telephone 4 can be connected to exchange lines, extensions from PBXs, and associated with various plan extension arrangements. It can be used on calls to any other loudspeaking or normal telephone.



## FACILITIES

The loudspeaking telephone can be used on both incoming and outgoing calls.

The on/off switch is pressed in to connect the loudspeaking telephone to the line and an orange lamp under the switch lights to show that the instrument is 'on'. Pressing the switch again at the end of a call clears the line and puts out the light.

During a call, the line can be transferred to the handset from the loudspeaking telephone by lifting the handset; replacing it restores the call to the loudspeaker. This may be necessary if any part of the conversation is confidential.

Outgoing calls are made on the loudspeaking telephone by pressing the on/off switch and then either dialling the required number or asking the operator to get it. The dialling, ringing, number-engaged, number-unobtainable tones, or the operator's voice are heard through the loudspeaker.

Outgoing calls can also be made by lifting the handset, pressing the on/off switch and obtaining the required number in the usual way.

Incoming calls are indicated by a tone-caller, contained in the cabinet, which produces a high-pitched intermittent warbling note.

Calls are answered directly by pressing the on/off switch of the loudspeaking telephone.

The volume of sound from the loudspeaker can be varied by using one of three press-buttons, marked "Volume Control ●, ●●, and ●●●", to compensate for the variation in line conditions possible between one call and another. In normal circumstances, '●' and '●●' will be satisfactory. In either of these two settings the first syllable uttered by the user switches the instrument to transmit and it stays in this condition until the incoming speech switches it to receive over the loudspeaker. It stays on receive until the user speaks again. On position '●●●' of the volume control the instrument reverts to receive as soon as the user finishes speaking. This last setting is only used when very faint calls are being received.

When a confidential aside needs to be heard only by persons in the room, the microphone can be cut off by holding down a press-button.

The loudspeaking telephone can be connected to an exclusive or shared service exchange line, a PBX extension and most plan extensions. On some arrangements it may be necessary to provide a buzzer or a bell in place of, or in addition to, the tone-caller.

The handset can be replaced, if required, by a pendant telephone handset and bracket which is usually fitted in the kneehole of the user's desk.

## GENERAL INFORMATION

The cabinet is 17¼" wide, 6½" high and 11" deep (including the handset), and weighs 15½ lb. The back, top and ends are in elephant grey, the front panel is in french grey, and the lamp strip underneath the front panel is in black. The legs and edges of the metal end-pieces are polished bright, and the loudspeaker grille, microphone surround and press-button controls are in elephant grey. The dial has a transparent finger plate, with letters and figures in matt silver on an elephant grey back plate.

Power output of the loudspeaker is approximately ¼ watt.

The upper row of four press-buttons can be used for recalling the operator, switching on extension arrangements and signalling, as required.

When the loudspeaking telephone 4 is used on an extension from a PABX, no separate power supply is required. In other cases a wall-mounted power unit in a grey plastic case measuring 6" by 5" by 4" is necessary; it is supplied from a 3-pin socket outlet of at least 2-amp rating, provided by the customer.

NOTE: When the loudspeaking telephone is in use, should both parties speak at once the louder one takes precedence and cuts off the other's speech. It is preferable therefore that the user speaks distinctly, directly towards the microphone, from a distance of about 18". The equipment works most effectively when the room is spacious and is well provided with carpets and soft furnishings. These reduce the echoes and greatly improve the quality of transmission. High background noise, large expanses of bare wall, ceiling, floor or window adversely affect the efficiency of the equipment.

There is a connexion charge of £2 and a quarterly rental of £7. 10s. 0d.

THE TELEPHONE MANAGER  
WILL GLADLY SUPPLY  
ANY FURTHER INFORMATION