

KEX-6
Electronic Plansets

TMC
Limited

Installation Instructions



PHILIPS

KBX 3-6

INSTALLATION INSTRUCTIONS

These instructions should be read carefully before proceeding with the installation of either a KBX 3 or KBX 6.

GENERAL

The Central Control Unit is wall mounted, using a special mounting plate, adjacent to the incoming exchange lines and a suitable power point. Before commencing the installation, check that the Central Control Unit is suitable for the local mains supply, 90V to 130V or 180V to 260V, 50Hz to 60Hz.

TERMINALS

The terminal blocks should be mounted in suitable positions adjacent to the terminals, using woodscrews or self-tapping screws. The wiring connections for the Line Jack Units are shown on Figure 1.

Install the cables between the Line Jack Units and the Central Control Unit position.

Please Note: In United Kingdom **only**, Central Control Unit to terminal instrument line loop limit (speech pair only) is 50 ohms (max).

CENTRAL CONTROL UNIT

Secure the mounting plate to the wall using suitable woodscrews or self-tapping screws. The fixing centres for these screws are shown on Figure 2. The Central Control Unit may be fixed directly to the wall or mounted on battens, depending on the nature of the wall.

Remove the lower cover from the Central Control Unit by unscrewing the two large-headed captive screws and lift-off the cover. There should not be any need to remove the upper cover during installation.

Locate the Central Control Unit on the tabs of the mounting plate and secure with the fixing screw (Figure 3).

Connect the exchange lines and terminal cables as shown on Figure 3. Individual wires should be dressed so that the Control Board can be swung out on its hinges without disconnecting or straining these wires. Connect the mains cable to an adjacent power point and switch on the supply.

Set the Option Switches (Figure 3), as required for the installation, to the positions shown below:

External Extension 1	S1 On
External Extension 3	S2 On
c-wire Signalling	S3 On
Exclusive Line (Terminal 4)	S4 On

SYSTEM TEST

Check the operation of each terminal by testing all its functions, facilities and options.

(a) Using BT Master Line Jack Unit

Connect Line Jack Units to Central Control Unit as per table, using 3 pair cable.

Central Control Unit Extension Connections	Line Jack Unit Connections
A	2
B	5
C	4
D	1
E	6

(b) Using Western Electric Sockets

Connect Western Electric Sockets to Central Control Unit as per table, using 3 pair cable.

Central Control Unit Extension Connections	Western Electric Socket Connections
A	4
B	3
C	5
D	1
E	6

Figure 1 Terminal Connections

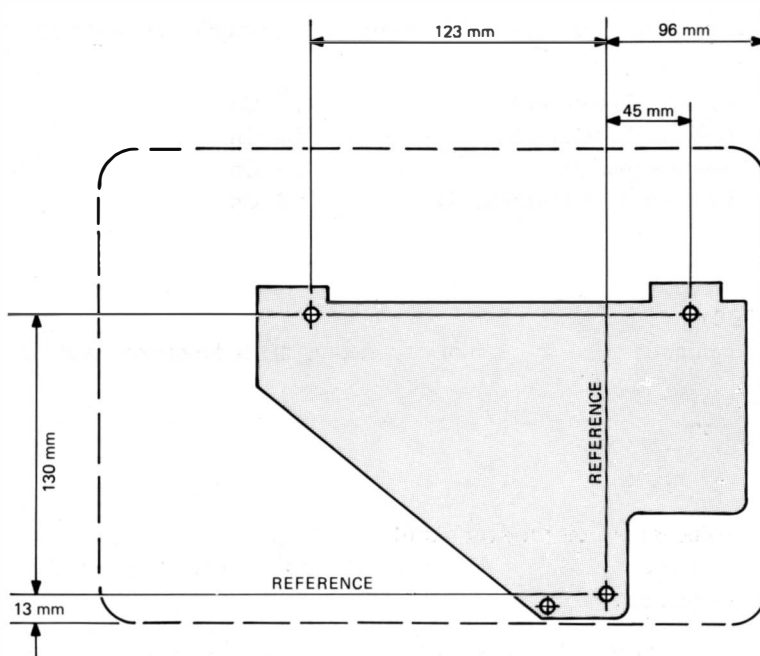
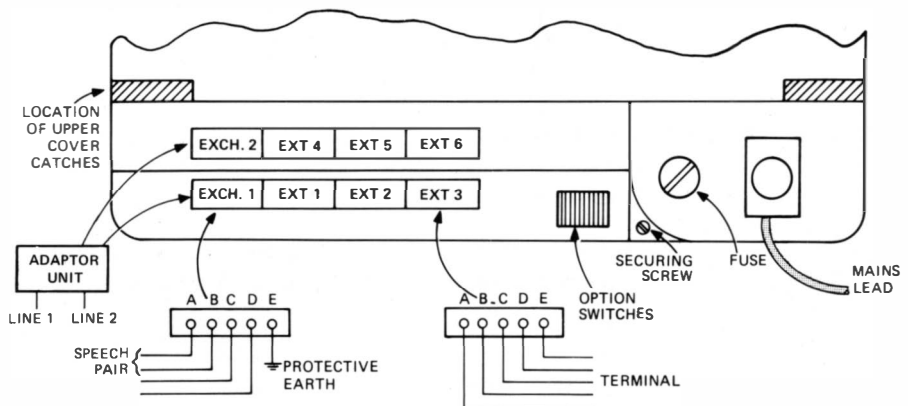


Figure 2 Mounting Plate Fixing Screws



NOTE: Except for C-Wire Signalling, connect Terminals B and C, and connect Terminal D to Line Earth.

Figure 3 Central Control Unit Connections



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