TELEPHONE No.711...
WALL TELEPHONE WITH PROVISION FOR 1 TO 4 PRESS-BUTTONS
TELEPHONE No.711F (COLOUR) FOR USE ON AUTO SYSTEMS
TELEPHONE No.711CB (RED) FOR USE ON EMERGENCY CIRCUITS

CONTENTS
Circuit diagram showing connexions as issued .................. Fig 1
Dial Cord Parking Facility ........................................ Fig 2
Automatic systems shared service lines .......................... Fig 3
2-Wire PBX. Extensions with recall ............................. Fig 4
P.M.B.X. with additional Signalling C-Wire ..................... Fig 5
CBS No.2 and 3 Systems ........................................... Fig 6
CB System, shared service lines ................................. Fig 7
Generator Signalling, private wire circuits ..................... Fig 8
Fitting Switch 5A-3 ................................................ Fig 9

NOTES:
A The regulator is made inoperable when reversed in the jack. In that condition, Points B, C and D are connected together.
B The leads of auxiliary units should be terminated as shown on appropriate diagrams. Any spare leads should be secured to a spare terminal. Where this is not possible, the leads should be insulated from electrical contact with parts of the telephone and other equipment.
Where additional terminals are required fit:
1 off Part 2/DSI/856 for Terminals T20—T25
2 off Part 2/DSI/856 for Terminals T20—T31
or
1 off Strip Connexion No.155A for Terminals T20—T37

C Early issues have dial Brown conductor connected to Gravity Spring 4, instead of T3. This lead should be removed and a Cord Inst.142E Brown connected between D3 and T3.

D When the telephone 711 is fitted in a restricted space, so that it is not possible to use a screwdriver to tighten the normal case securing screw, a hexagon headed screw. Part 5/DC/531 should be repositioned and fitted in place of the existing screw.

E Telephone No.711CB Red is for use on emergency circuits only. Other colours of Telephone No.711CB are no longer stocked. Where a Telephone No.711CB is required, requisition and assemble locally a Telephone No.711F (Colour) and Dial Auto Dummy No.7 (Colour). The Dial will then be recovered. The pink and orange dial conductors should be joined and the other three leads passed (See Fig. 2).

F When extension bell is required, remove Strap T17—T18 and connect bell. A Switch No.5A-3 with Button 2/DBU/267, may be connected blue to T17, slate and brown to T18 to control the extension bell. Where this arrangement will not meet the customers requirements, a Switch No.2A may be fitted in a suitable position and wired to short circuit the extension bell.

Fig. 2
FIG. 3 AUTOMATIC SYSTEMS
SHARED SERVICE LINES

USING:
Telephone No.711F
Switch No.5A-3 (see Fig.9)
Part I/DBR/381
Part 2/DBU/266 (Colour)
Thermistor No.1A-1 (RY)
Valve Electronic CV570, 7875 or 8805 (Note 8)
2 Parts I/DBU/270 (Colour)

NOTES:
A. Remove Straps T5-T6, T16-T17, T17-T18, T18-T19
B. In UAX areas with vibrator ringing, provide and fit Valve, Electronic CV...
C. Exchange Line Connexions
   'A' wire to T18
   'B' wire to T8
   Station X
   'A' wire to T18
   'B' wire to T18
   Station Y
D. When extension bell is required, provide and fit in place of Strap T14-T15

FIG. 4 2-WIRE PBX EXTENSIONS WITH RECALL

USING:
Telephone No.711F
Switch No.5A-3 (see Fig.9)
Part I/DBR/381
Part 2/DBU/266 (Colour)
2 Parts I/DBU/270 (Colour)
Rectifier Element No.205

FIG. 5 PMBX5 WITH ADDITIONAL C-WIRE

USING:
Telephone No.711F
Switch No.5A-3 (see Fig.9)
Part I/DBR/381
Part I/DSP/1269
2 Parts I/DBU/270 (Colour)
Part 2/DBU/266 (Colour)

NOTES:
A. For 2-Wire Extensions using UAA No.96 or No.96A.
   Wire the telephone to Fig.3
FIG. 6 CBS No.2 AND 3 SYSTEMS

USING:
Telephone No.711F (Note A)
Adapter, Local Battery No.7

NOTES:
A. Convert Telephone No.711F to No.711CB as described in Fig.1, Note E and Fig.2.
B. Transfer white lead of handset cord from T10 to T11.
C. Reverse regulator in jack.

FIG. 7 CB SYSTEM SHARED SERVICE LINES

USING:
Telephone No.711F (Note A)

NOTES:
A. Convert Telephone No.711F to No.711CB as described in Fig.1, Note E and Fig.2.
B. Remove Straps T5—T6, T17—T18.
C. If extension bell is required provide and fit in place of Strap T16—T17.
D. Exchange line connections
   'A' wire to T8
   'B' wire to T10
   'A' wire to T10
   'B' wire to T8
   Station X
   Station Y

Transpose X and Y for minor CB10 exchanges.

FIG. 8 GENERATOR SIGNALLING PRIVATE WIRE CIRCUITS

USING:
Telephone No.711F or CB Red (Note A)
Adapter, Local Battery No.7
Generator No.26 AN or 26AP Note E

NOTES:
A. Telephone No.711CB Red is for emergency circuits only. For other circuits, use Telephone No.711F, and convert to CB as described in Fig.1, Note E and Fig.2.
B. Transfer white lead of handset cord from T10 to T11.
C. Reverse regulator in jack.
D. For private circuits where a similar telephone is fitted at the distant end, the line connection should be such that the two batteries are connected in series aiding.
E. Generator No.26AP may be used if the capacitor in it is short circuited.

FIG. 9 FITTING SWITCH SA-3

Required for stations on shared service, 2-Wire P.B.X. extensions, C-Wire signalling etc.

NOTES:
A. When the switch is fitted, the long dummy supplied with the telephone should be removed and stored inside telephone.
B. The press-button locates in the mid-position of the button slot.
C. Two additional dummy buttons Part No./DBU/270 (Colour) should be provided and fitted, one each side of the press-button and secured with the clamping springs supplied with the telephone.