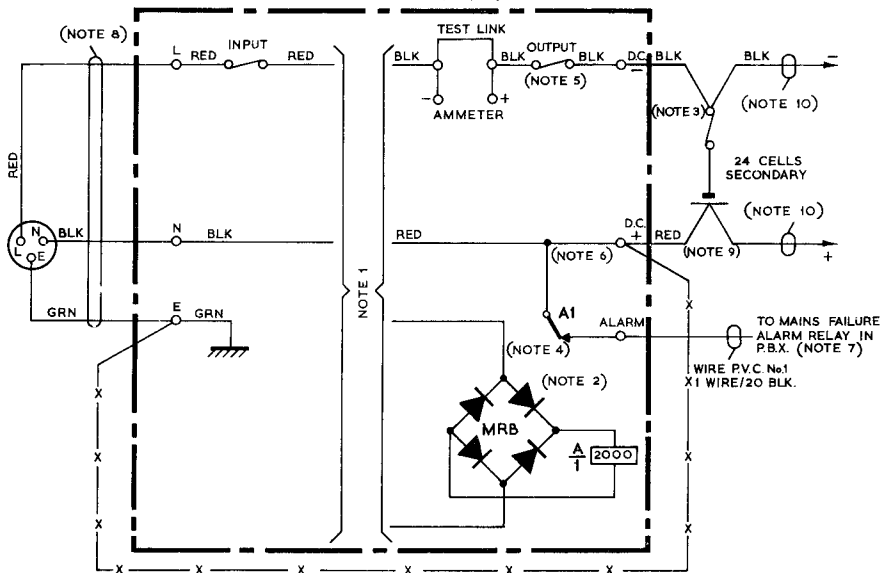
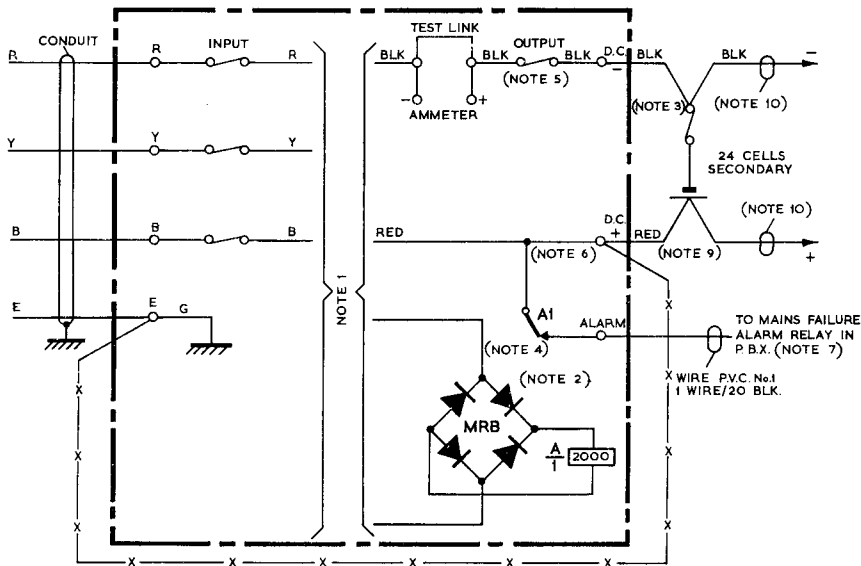


RECTIFIERS 61B,C,D,E & F.



RECTIFIER No. 61G.



P.O.
TELECOMMS.
HQRS.

PAPER : W

CIRCULATION:
GENERAL

ISSUE

K	REDRAWN F & G TYPES ADDED.	K.M.A	17. 5.68
J	NEW FORMAT. K.M.A.		7. 8. 64.
	E.S.R.	TDI.5.3.	15.11.46.

NOTES:-

1. For internal connexions reference should be made to Paster Diagram.
2. Alarm Relay and Rectifier are shown typically - see Paster Diagram for actual arrangement used.
3. Rating of Battery Fuse to be same as Rectifier output Fuse.
4. Contact normally open.
5. Fuse Table:-

Rectifier	Input	Output
61B	Fuse No. 36A/3	Fuse No. 57/10
61C	Fuse No. 36A/5	Fuse No. 57/15
61D	Fuse Clip in 15/15	Fuse No. 57/30
61E	Fuse Link Cartridge 30/30A	Fuse No. 57/60
61F	Fuse Link Cartridge 50/60A	Fuse No. 59/100
61G	Fuse Link Cartridge 30/30A	Fuse No. 59/150

6. The Rectifier Positive Lead is normally earthed to the Local Telephone Signalling Earth. The Mains Protective Earth must not be utilised for the Telephone Signalling Earth. An entirely independent connexion with wire copper soft stranded 3/20 to a separate earth e.g. an additional spike must be provided. These two earths shall be connected together at the Terminal Block of the rectifier by an insulated conductor similar to that used for the Mains Protective Earth connexion, see wiring shown thus - x - x -.

7. The Alarm lead is connected as follows:-

- | | | | |
|-----|--|--|--------------|
| (a) | P.A.B.X.'s 1 and 2 | SCA 132 | Dgm SA8119 |
| (b) | P.A.B.X. 3 | U15 | Dgm SA8156 |
| (c) | P.A.B.X. 4 | Relay MF | Dgm SA8340 |
| (d) | P.A.B.X. 7 | TSA 56 | Dgm SAX85400 |
| (e) | Pre-standard PABX 4 | Terminal A | Dgm N2304 |
| (f) | PMBX's 2/4A and 4. The alarm relay A should be replaced by P.O. Relay No 13739. The lever and break springs should be wired as for existing relay. Wire from the alarm terminal and direct from the make spring as follows:- | | |
| | (i) | PMBX 2/4A. Alarm terminal to Terminal 1)
Make spring to Terminal 2) | Dgm N2332 |
| | (ii) | PMBX 4. Alarm terminal to MF2)
Make spring to MF1) | Dgm SA7601 |

8. Rectifier No. 61B, 61C, 61D Cord Flex 250V P.V.C. 3 Core 0.0010, 0.0010, 0.0017 sq. in. respectively and plug to suit subscriber socket to be requisitioned separately and fitted locally.
Rectifier No. 61C, 61D (as alternative to above) 61E 61F & 61G - Cable 250V P.V.C. 0.0020, 0.0020, 0.0045, 0.0070, 0.0045 respectively to be requisitioned separately and connected via conduit, to subscribers Switch-Fuse.

9. To reduce the rectifier noise level to a min. the load leads and rectifier leads should be teed at the Batt. Terminals as shown.
10. Cable, 250V P.V.C... sq. in. See E.1. POWER, S 3350.
11. If Silicon Rectifier Elements are used additional Protection Fuses may be fitted (see Paster Diagram).