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REFERENCES

Relay Set SA 7573	Diagrams SA 7573	SAW 75730 & SAJ 75730
Relay Set 1/SA 8299	SA 8299	SAW 82990 & SAJ 82990
Relay Set 2/SA 8299	SA 8299	SAW 82990 & SAJ 82990
* Oscillator No.119A	SA 8295	SAW 82950
* PBX Alarm	SA 8296	SAW 82960
* PBX Tone Distribution	SA 8292	SAW 82920
∅ Receiver V.F. No.4A	SA 8297	SAW 82970
∅ Capacitor Unit No.14A	SA 8291	SAW 82910
/ Filter Frequency No.176A	SA 8294	SAW 82940
Power Unit No.50A	N 635	
Power Unit No.51A	N 636	
Power Unit No.52A	N 637	
Lamp Alarm Indicating No.4	N 2304	
Description of S.S.A.C.13	T.I. C3 P 5000	
Circuit Operation	Diagram Notes SA 7573, SA 8299	

- \* Part of Equip. Signalling No.24/...
- ∅ Part of Relay Set 1/SA 8299
- ∅ Part of V.F. Receiver
- / Only when required in lieu of Capacitor Unit  
(See Notes on Lining-up)

P.C.E.D. 3/3/64							
PAVERS KILLING GENERAL	10/10	* LINING UP PROCEDURE CHANGED	MAH	13-3-73			
		06/1/1964	S3/2	9-10-67			

TABLE 1. STORES LIST

Number of Inter-PBX Ccts.	Stores Required (See also Installation Note 3)								
	Equip. Signalling	Power Unit	R/S SA7573	R/S 1/ SA8299	R/S 2/ SA8299	Covers (See Note C)	Lamp Alarm Indic.No.4	Case No.24 (See Note 3)	Res.Coil No. 9 390Ω
1	No.24/1A	No.50A	1 OFF	1 OFF	1 OFF	D 92416	1 OFF	1 OFF	1 OFF
2	No.24/2A	No.51A	2 OFF	2 OFF	2 OFF	D 92417	1 OFF	1 OFF	1 OFF
3	No.24/3A	No.52A	3 OFF	3 OFF	3 OFF	D 92418	1 OFF	1 OFF	1 OFF

TABLE 2. CABLING SCHEDULE

Straps per Circuit to be provided on Strip Connexion of equip. Sig. No.24/...	Cabling to be provided				
	From	To	Colour	Type	
SC SC	SC 82	r Mult.SC.	W/B	} Cable Distn. 35... per Circuit	
1 - 41	SC 73	R " "	B		
2 - 42	SC 68	S1 " "	W/O		
3 - 35	SC 69	S2 " "	O		
7 - 47	SC 64	L " "	W/G		
8 - 48	SC 60	DR2 " "	G		
9 - 39	SC 61	DR1 " "	W/BN		
12 - 34	SC 62	DR " "	BN		
13 - 83	*SC 59	* F " "	W/B		} Cable Distn. 35... per Circuit if required
14 - 46	*SC 63	*OF " "	B		
16 - 86	Fuse PBX -VE	(b) 390 ohms Res.	BK	Wire Jumper 5908.	
17 - 37	(a) 390 ohms Res.	SC 67	BK	Wire Jumper 5908.	
18 - 44	SC 67	Upt 67	BK	Wire Jumper 5908 per Circuit.	
19 - 43	Misc 100	Term. A	W/B	Cable Distn. 35... to I.A Indfc. No.4	
20 - 50	Fuse PBX -VE	P.B.X. Batt. 40V -VE	BK	} Cable Eqmt. 49... Equip.Sig.No.24/... & P.B.X. Batt.	
27 - 36	Fuse PBX +VE	40V +VE	R		

TABLE 2. CABLING SCHEDULE (Contd.)

Straps per Circuit to be provided on Strip Connexion of Equip. Sig. No.24/...	Cabling to be provided			
	From	To	Colour	Type
28 - 38 32 - 45	Fuse 50V -VE 50V +VE	P.U. 50V -VE 50V +VE	BK R	} Cable Eqmt. 49... P.U. No. & 50V Fuse & Eth.  Wire Earthing 9141 or 9142.
	Eth.	P.U./Rect. +VE	-	
* F.L.S. connexions if required Diagram SA 7573.	PBX 40V -VE 40V +VE	LA Indic.No.4 Term - Term E	BK R	} Cable Distn. 35... PBX Batt. & Eth. to LA Indic. No.4
	P.U.No.	Mains Plug	-	

TABLE 3. DIMENSIONS OF EQUIPMENT SIG. No.24/...

	Equip. Sig. No.24/1A	Equip. Sig. No.24/2A	Equip. Sig. No.24/3A
Overall Rack Dimensions	3'9 $\frac{7}{8}$ " x 1'9" x 10 $\frac{1}{2}$ "	5'3 $\frac{3}{8}$ " x 1'9" x 10 $\frac{1}{2}$ "	6'10 $\frac{7}{8}$ " x 1'9" x 10 $\frac{1}{2}$ "
Overall Cover Dimensions	3'10" x 1'9 $\frac{1}{4}$ " x 1'6 $\frac{1}{8}$ "	5'4" x 1'9 $\frac{1}{4}$ " x 1'6 $\frac{1}{8}$ "	6'11" x 1'9 $\frac{1}{4}$ " x 1'6 $\frac{1}{8}$ "

INFORMATIVE NOTES

A. Equipment Signalling No.24/...

Equipments Signalling No.24/... comprise open type racks, Racks Apparatus No.74/... catering for one, two or three Inter-PBX S.S.A.C.13 circuits and are supplied complete with shelving, shelf wiring and jacks on which the appropriate relay sets, power units and covers are mounted.

Table 1 gives a list of stores required for one, two or three circuit installations and Fig.1 shows the mounting positions of, and Table 2 the cabling schedule to, these items. Table 3 gives the dimensions of the three sizes of Equipment Signalling No.24/...

B. Inter-PBX 1VF (S.S.A.C.13) Circuits

When it is known that additional Inter-PBX S.S.A.C.13 circuits may be required in the near future an Equipment Signalling No.24/... large enough to cater for these extra circuits should be provided. In these cases it may be more economic to provide the size of power unit appropriate to that Equipment Signalling No.24/... to avoid changing the power unit at a later date.

C. Covers

Covers finished in Elephant Grey colour are available as shown in Table 1 to encase the Equipments Signalling No.24/... These should only be provided when it is considered that the extra cost can be justified by local circumstances.

D. Operating Instructions

The operating staff should be instructed to report to the engineers the "Oscillator Failed" condition so that the maintenance engineer may take a spare oscillator to the installation.

INSTALLATION NOTES

1. Equipment Signalling No.24/...

The Equipment Signalling No.24/... should be sited taking into account the following:-

- A. Maintenance access to the front and rear of the rack
- B. Floor loading
- C. Cabling access
- D. Possible growth

The Equipment Signalling No.24/... shall be secured to the floor by means of suitable screws or bolts and supported at the top by fixing to an adjacent wall or rack. To achieve this at some installation it may be necessary to use suitable locally made metal straps.

Before connecting battery supplies to the Equipment Signalling No.24/... check that all relay armatures on the equipment and in the relay sets are correctly positioned on their knife edges.

2. Power Supply

With the exception of Relay Set(s) SA 7573 the apparatus on Equipment Signalling No.24/... is operated from a mains connected power unit providing a 50V DC output. R/S SA 7573 is operated from the PBX Battery Supply.

Suitable three pin mains plug and Cord Flexible 250V to be purchased and fitted with 3 Amp fuse.

P.O. Earth to be independent of mains earth. **Must be Wire Earthing 9141 or 9142 direct to power unit rectifier, not to be taken via any other cabling.**

3. Lamp Alarm Indicating No.4

The Lamp Alarm Indicating No.4 in a Case No.24 to be mounted on or adjacent to the Sections Switch. The Labels should be reversed and signwritten or marked with similar wording but substituting the word "Oscillator" for "Power".

The appropriate Resistor Coil No.12 should be fitted in accordance with Table 1 of Diagram N 2304

4. Busying Arrangements for Relay Set SA 7573

To provide a busying facility onto the sleeve of the switchboard Multiple Jacks when Relay Set SA 7573 is removed a Resistor Coil No.9 - 390 ohms should be requisitioned and fitted in Oscillator Alarm and Distribution Box and wired as shown in Table 2. Resistor and cover to be suitably marked and should be recovered before returning Equipment Signalling No.24/... to recovered stores depot.

**SPARE**

