

POST OFFICE TELECOMMUNICATIONS HEADQUARTERS

SPECIFICATION

FOR

METERING UNIT NO. 4A (MARK 1)

I N D E X

1. GENERAL
2. APPARATUS
3. CAPACITY AND EQUIPMENT
4. CONSTRUCTION AND MATERIALS
5. WIRING
6. INSULATION RESISTANCE
7. APPARATUS MARKING
8. WORKING VOLTAGE
9. MARKINGS
10. HISTORY

Notes:-

- (a) Specification D 1000 shall be taken as forming part of this specification.
- (b) The first issue of this specification carries a number without a suffix letter. When the specification is re-issued a suffix letter is added and for each subsequent issue the suffix letter is advanced by one.
- (c) Except when a specification is completely re-written an amended paragraph is indicated by a star adjacent to the paragraph number and the particular portion amended is indicated by a vertical line in the margin.

1. GENERAL

1.1 The metering unit is for use at PABX's 1 and 7 where switched trip metering is required. It is intended to rest on a desk or table adjacent to the switchboard.

1.2 Schedule of Drawings, Diagrams and Specifications referred to in this Specification.

Drawing No.	Diagram No.	Specification
92989	SAW 82790	CW 109
93008		D 1000
R 60283		M 37
		M 283
		M 294
		M 302
		S 116
		S 659
		T 1343
		T 5241

2. APPARATUS

2.1 The metering unit shall be manufactured to include all the items shown in the schedule on the drawings detailed in para. 1.2. The relative drawings and specifications to which these items should be manufactured are specified therein.

3. CAPACITY AND EQUIPMENT

3.1 The metering unit shall be equipped and wired for two circuits. The third mounting position shall be capable of accommodating a third circuit, but until required blanked off with a plate as shown on the relative drawing.

4. CONSTRUCTION AND MATERIALS

4.1 All materials and workmanship shall be of the best quality, free from flaws and other defects, and shall be to the satisfaction of the Purchasing and Supply Department.

4.2 The general design and outline dimensions shall be in accordance with Drawing 92989. The cover shall be injection moulded using Grade 5 material to Specification S 116. The face panel shall be finished in accordance with Specification M 294. The base shall be finished in accordance with Specification M 283 (Eggshell finish).

4.3 The colour of the cover shall be light french grey (Colour No. 15) in accordance with Specifications S 659 and M 302.

4.4 The colour of the key panel, and base plate shall be elephant grey; the finish shall be uniform and shall match the standard colour samples to the satisfaction of the Purchasing and Supply Department (P & S 4.3) in accordance with Specification M 302. The standard colour samples may be inspected on application to P & S 4.3 Materials Section, London.

4.5 All metallic finishes shall be in accordance with appropriate drawing or Specification M 37.

5. WIRING

5.1 The metering unit shall be wired to Diagram SAW 82790 in accordance with Specification T 1343 and T 5241.

6. INSULATION RESISTANCE

6.1 The insulation resistance between any two points that are not intended to be in electrical contact shall not be less than 100 megohms when a P.D. of 500 volts D.C. is applied.

7. APPARATUS MARKING

7.1 The circuit designation of the various components and any other inscription shall be clearly marked as indicated on the relative drawings. The front of the face panel to be engraved or hot stamped and filled with white as shown on Drawing 93008.

8. WORKING VOLTAGE

8.1 The metering unit shall be capable of satisfactory operation over the voltage range 46-54 volts D.C.

9. MARKINGS

9.1 The metering unit shall be marked with the P.O. Stock-list title, the approved Code Letters allocated to the particular manufacturer and the Mark No., in accordance with Specification D 1000 e.g.

Metering Unit No. 4A
FHB/1

(The letters and figures are typical only).

10. HISTORY

Date	Issue	Amendment
October 1968	Open	

END OF SPECIFICATION

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