



# BROOKNES

B.P.102D

**MANUFACTURERS OF  
EMERGENCY POWER EQUIPMENT  
& TRANSFORMERS**

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## VACUUM SWITCHGEAR CLOSING/TRIPPING BATTERY EQUIPMENT

A range of compact self contained units containing battery and automatic charger, to give a reliable D C source for tripping and closing purposes.

Due to the inherent low maintenance requirements of vacuum switchgear, this battery equipment, which requires no topping up service, is ideally suited to the application.

Low maintenance is only one advantage, others are :- smaller physical size compared to wet cells, very flat discharge curve, low charger input power, lower cost initially, and lower installation costs.

Although recharge time is longer than wet cells, this generally is of no significance as closing/tripping loads can be taken within 2 or 3 hours of commencement of charging, and due to the cell characteristics, this is at normal voltage.

Self discharge is low, except at high temperatures and if no other loads are applied to the battery, tripping power can be held for many days without the charger being operative.

Units are available for 30, 50 and 110 volt operation, and the basic units are suitable for switchboard or wall mounting. Larger cubicles can be supplied for floor standing, and other variations, together with alarms are available.

Basic specifications are shown overleaf and units are available to supply indication or supervision loads. Battery capacity in this type of unit is smaller than wet cell types and care should be exercised when applying standing loads.



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### **OTHER PRODUCTS AND SERVICES**

*SWITCH CLOSING EQUIPMENT DESIGNED AND BUILT TO CUSTOMERS REQUIREMENTS.*

*EMERGENCY LIGHTING — From single units to comprehensive installations.*

*TRANSFORMERS*

*QUOTATIONS Enquiries receive prompt and efficient attention*

*FIRST ISSUE*

**BRIEF SPECIFICATIONS OF STANDARD CLOSE/TRIP UNITS**  
**FOR VACUUM CIRCUIT BREAKERS**

<b>BROOKNES TYPE REF.</b>	<b>VOLTAGE</b>	<b>APPLICATION</b>	<b>TRIP CIRCUIT SUPERVISION/STD. LOAD FACILITY</b>	<b>ALARMS</b>
SC/T3070-1	30	3.3 kw Closing	None	Optional
SC/T5040-1	50	..	None	Optional
SC/T11020-1	110	.6 kw Trip	None	Optional
SC/T3070M-2	30	As above	Limited	Optional
SC/T5040M-2	50	As above	Facility available	Optional
SC/T30100M-3	30	As above	3A/3AH	Optional
SC/T5070M-3	50	As above	2A/3AH	Optional
SC/T30100-4	30	5.5 kw Closing	None	Optional
SC/T5070-4	50	..	None	Optional
SC/T11040-4	110	.6 kw Trip	None	Optional
SC/T30100M-5	30	As above	Limited	Optional
SC/T5070M-5	50	As above	Facility	Optional
SC/T11040M-5	110	As above	Available	Optional
SC/T50100M-6	50	As above	2A/3AH	Optional
SC/T11070M-6	110	As above	1A/3AH	Optional

NOTES. The above loads assume that a cut-off at approximately 70% after 150 m sec. will occur.

Full Recharge time is 30 hours, but Closing/Tripping Loads can normally be taken within 2 hours of commencement of charging.

Charge Fail Alarm giving 2 pole c/o with clean contacts is fitted as standard. The optional Alarms are LOW VOLTS, HIGH VOLTS, MAINS FAIL and EARTH LEAKAGE.