PERFORMANCE SPECIFICATION

RTMU & RTPI Monitor Relays

2a

SUPERTAPP

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Contents

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1. INTRODUCTION

Performance to IEC255-3

2. POWER SUPPLY

Auxiliary Supply	110V or 220Va.c. Range 45%-140%
Burden	3 VA

3. VOLTAGE TRANSFORMER

Rated voltage	60V to 140V true rms (default 110V rms)
Burden	3 VA

4. TAP POSITION

Resistor Sender	Minimum value of each resistor 10 ohms Maximum value of each resistor 470 ohms Recommended value 100 ohm 1 Watt 1%
BCD Sender	Bit weighting 1,2,4,8,10,20
Binary	Bit weighting 1,2,4,8,16,32

5. SETTINGS RANGE

High Voltage limit	95% - 115% continuously adjustable
Low Voltage limit	90% - 105% continuously adjustable
Voltage difference	Disable, 5% or 10%
Number of taps	11 to 41 in Resistor mode or 11 to 39 in BCD mode
Transfer tap position	2 each side of mid -position (or any arrangement by request)
Alarm	15 min.

6. ACCURACY

High Voltage limit	±1%
Low Voltage limit	±1%
Voltage Difference	±10% at 5% setting, ±15% at 10% setting,
Alarm	15 min ±10 sec.

7. OUTPUT CONTACTS

Lockout V high and V low contact rating	10A 240V ac maximum 450mA 110V dc maximum
Alarm	5A 240V ac maximum 450mA 110V dc maximum

8. ENVIRONMENTAL WITHSTAND

Temperature

Operating range	-10°C to +50°C
Storage range	-25°C to +70°C

Transient Overvoltage

Between all terminals and earth or between any two terminals	5kV 1.2/50µs

High Frequency Disturbance

2.5kV Common(longitudinal) mode	≤ 3% deviation
1kV Series (transverse) mode	≤ 3% deviation

Electrostatic Discharge

8kV contact discharge	no maloperation

Fast Transient

4kV 5/50µs 2.5kV repetitive	≤ 3% deviation

Mechanical Classification

Durability	In excess of 10^6 operations