

■ FEATURE

- 4 Popular Input Ranges Programmable in One
- Modular Design, Easy Maintain and Save Stock;
- Dual trip relay output available
- Low cost and high stability



■ SPECIFICATION

Input Range	Input Impedance	Input Range	Input Impedance
0 ~ 10 mV	≥ 1MΩ	0 ~ 100 μA	≤ 1000Ω
0 ~ 50 mV	≥ 1MΩ	0 ~ 1 mA	≤ 100Ω
0 ~ 100 mV	≥ 1MΩ	0 ~ 10 mA	≤ 20Ω
0 ~ 1 V	≥ 1MΩ	0 ~ 20 mA	≤ 10Ω
0 ~ 5 V	≥ 1MΩ	4 ~ 20 mA	≤ 10Ω
0 ~ 10 V	≥ 1MΩ	0 ~ 1 A	0.05Ω
1 ~ 5 V	≥ 1MΩ	0 ~ 5 A	0.02Ω
2 ~ 10 V	≥ 1MΩ		
-10 ~ 0 ~ +10 V	≥ 1MΩ		
0 ~ 150 V	≥ 1MΩ		
0 ~ 300 V	≥ 1MΩ		
0 ~ 600 V	≥ 1MΩ		

Response time: ≤ 250 mS

Setpoint adjustment: 10 position rotary switch
Setting Range: 00% ~ 99% rated of input
Trip point: ±0.1% + 1%(Hi trip) or ±0.1% -1%(Low trip)
Differential: Preset at 1%, 1 ~ 10%(specify)
Trip indication LED: Red light turn on when the coil is energized
Relay contacts: AC 110V/1A, 220V/0.5A
DC 30V/1A, Normal open standard

AC frequency input range: 45~65Hz

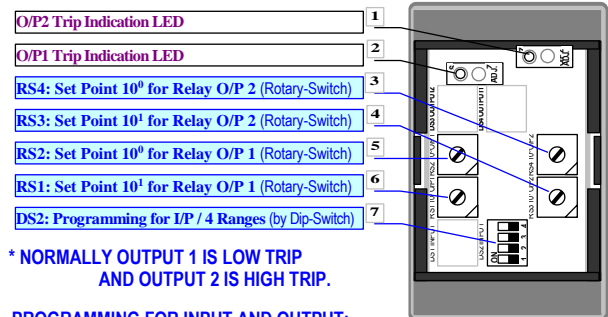
Power Supply: AC 115 or 230V ±10%, 50/60 Hz
Power consumption: DC 5W, AC 6.5VA

Operating temperature: 0~60 °C
Operating relative humidity: 20~95 %RH
Temperature coefficient: ≤ 100 PPM/°C
Storage temperature: -10~70 °C

Insulation resistance: ≥ 100MΩ @500Vdc
Surge test: 4 KV, 1.2 x 50 μ S
Dielectric Strength: AC 2KV, 50/60Hz, 1 min.
Between Power / Input / Output / Case

Dimensions: 51mm(W) x 122.5mm(H) x 84.5mm(D)-with socket
Mounting: Surface and DIN rail 35mm WIDE
Weight: 600g

■ ADJUSTMENT

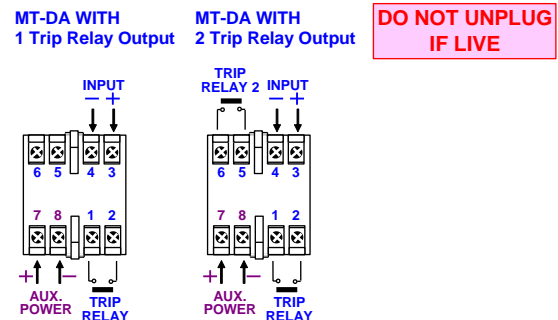


* NORMALLY OUTPUT 1 IS LOW TRIP AND OUTPUT 2 IS HIGH TRIP.

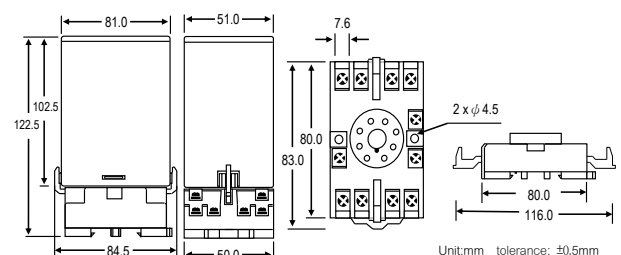
PROGRAMMING FOR INPUT AND OUTPUT:

SIGNAL RANGE	INPUT		TRIP RELAY 1		TRIP RELAY 2			
	DS1	DS2(7)	SET	RS1(6)	SET	RS3(4)	RS4(3)	
1 ~ 5 V	NA		49%			99%		
0 ~ 10V	NA		25%			85%		
0 ~ 20 mA	NA		10%			70%		
4 ~ 20 mA	NA		0%			62%		

■ CONNECTION DIAGRAM



■ DIMENSIONS



ORDERING INFORMATION

MT-DA- [Input Type] — [Input Range] — [Output 1] [Output 2] — [Aux. Power]

CODE	INPUT
D	DC
A	AC

Current	
CODE	INPUT
A1	0 ~ 100 μ A
A2	0 ~ 1 mA
A3	0 ~ 10 mA
A4	0 ~ 20 mA
A5	4 ~ 20 mA
A6	0 ~ 1 A
A7	0 ~ 5 A
AO	Specify (mA i/p)
P1	Prog. 6 Ranges (by D-S): 0-5V/0-10V/1-5V/ 2-10V/0-20mA/4-20mA

Voltage	
CODE	INPUT
V1	0 ~ 10 mV
V2	0 ~ 50 mV
V3	0 ~ 100 mV
V4	0 ~ 1 V
V8	2 ~ 10 V
V9	-10 ~ +10 V
VA	0 ~ 150 V
VB	0 ~ 300 V
VC	0 ~ 600 V
VO	Specify (V o/p)

CODE	OUTPUT
H	Trip Relay H
L	Trip Relay L
N	None

CODE	AUX. POWER
A1	AC 115 V
A2	AC 230 V
D12	DC 12 V
D24	DC 24 V
D48	DC 48 V

Remark:

- > When you select coding P1 for input range, please specify initial range.
- > After change input range by dip switches (D-S), re-calibration is to be requested.