

## 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
- Design by CE standard



## 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  
±0.1% + 1% (Hi trip) or ±0.1% - 1% (Low trip)

**Trip point:** Preset at 1%, 1 ~ 10% (specify)

**Differential:** Red light turn on when the coil is energized

**Trip indication LED:** AC 110V/1A, 220V/0.5A

**Relay contacts:** 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 μS

**Dielectric Strength:** AC 2KV, 50/60Hz, 1 min.  
Between Power / Input / Output / Case

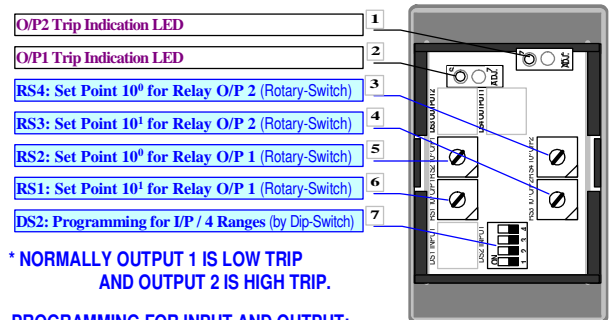
**Standard:** Comply with EN50081-1, EN50082-2

**Dimensions:** 50mm(W) x 87mm(H) x 123mm(D)-with socket

**Mounting:** Surface and DIN rail 35mm WIDE

**Weight:** 600g

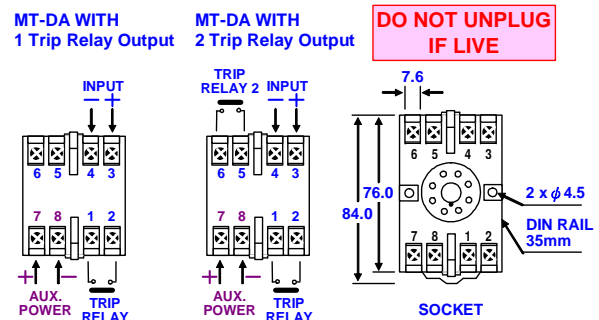
## ADJUSTMENT



### PROGRAMMING FOR INPUT AND OUTPUT:

SIGNAL RANGE	INPUT		TRIP RELAY 1		TRIP RELAY 2		
	DS1	DS2(7)	SET	RS1(6)	RS2(5)	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 & SOCKET



## ORDERING INFORMATION

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

CODE	INPUT	CODE	INPUT	CODE	OUTPUT	CODE	AUX. POWER
D	DC	A1	0 ~ 100 μA	V1	0 ~ 10 mV	H	AC 115 V
A	AC	A2	0 ~ 1 mA	V2	0 ~ 50 mV	L	AC 230 V
		A3	0 ~ 10 mA	V3	0 ~ 100 mV	N	DC 12 V
		A4	0 ~ 20 mA	V4	0 ~ 1 V		DC 24 V
		A5	4 ~ 20 mA	V8	2 ~ 10 V		DC 48 V
		A6	0 ~ 1 A	V9	-10 ~ +10 V		
		A7	0 ~ 5 A	VA	0 ~ 150 V		
		AO	Specify (mA i/p)	VB	0 ~ 300 V		
		P1	Prog. 6 Ranges (by D-S): 0~5V/0~10V/1~5V/ 2~10V/0~20mA/4~20mA	VC	0 ~ 600 V		
				VO	Specify (V o/p)		

**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.