

MICROPROCESS DIGITAL METER RELAY OF PLUG-IN



FEATURES

- Input type DCA, DCV, ACA, ACV, Potentiometer, Transmitter, Pt-100, Thermocouple, etc...
- Accuracy 0.05% F.S ±1 digit (DC Transmitter)
- Programmable rate -1999 to 9999 digit
- Dual setting and contact point
- Display value depend on the mean input several times can be modified (1 to 9 times)
- Man-machine interface, easy to operate (readout range, decimal point, alarm function, deadband etc. ...)

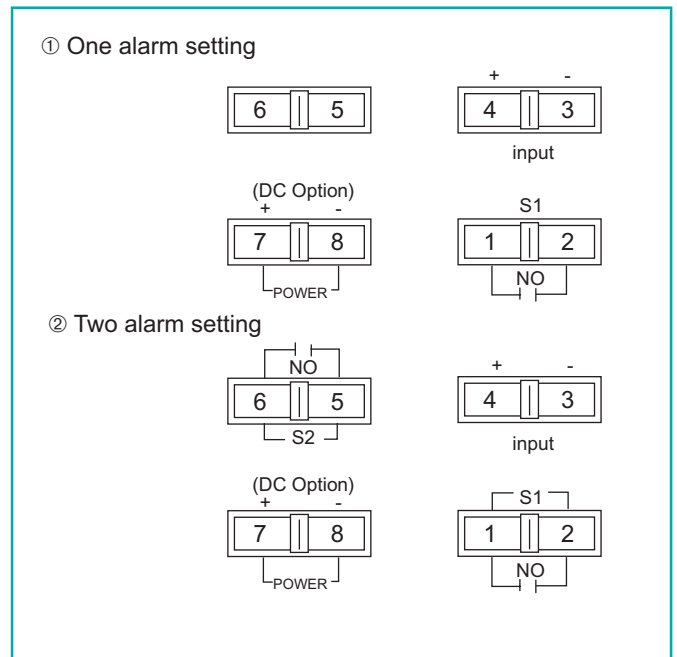
1. MODEL: PF-MA - [] - [] - [] - [] → X = 1 (one-alarm setting), X = 2 (two-alarm setting)

NO	Input Type	NO	DCV (ACV)	NO	DCA (ACA)	NO	Potentiometer	NO	Pt-100	NO	Transmitter	NO	Thermocouple	NO	Aux. Power
A	DC	11	0~50.0 mV	21	0~9.999 μA	31	0~10%	41	-50.0~50.0°C	51	DC 4~20mA	6B	200~1800°C	1	AC 110V
B	AC (RMS)	12	0~99.99 mV	22	0~99.99 μA	32	0~90%	42	-100.0~100.0°C	52	DC 10~50mA	6E	-200~400°C	2	AC 220V
C	AC (TRMS)	13	0~999.9 mV	23	0~2.000 mA	33	0~100%	43	-199.9~199.9°C	53	DC 1~5V	6J	-200~760°C	3	DC 24V
D	Potentiometer	14	0~5 V	24	0~20.00 mA	34	5~95%	44	-199.9~400.0°C	54	DC 0~10V	6K	-200~1370°C	4	DC 48V
E	Transmitter	15	0~10 V	25	0~200.0 mA	35	10~90%	45	-199.9~850.0°C	59	SPECIFIED	6R	0~1760°C	5	DC 110V
F	Pt-100 (RTD)	16	0~35 V	26	0~2.000 A	39	SPECIFIED	49	SPECIFIED			6S	0~1750°C	6	DC 220V
G	Thermocouple	17	0~600.0 V	27	0~5.000 A		• only one alarm setting		• two wire connection (two alarm setting)			6T	-200~400°C	7	AC 90~260V
O	SPECIFIED	18	0~999.9 V	28	0~9.999 A		• Exciting voltage DC 5V (≤5mA)		• Three wire connection (one alarm setting)				• only one alarm setting °C or °F, 1 or 0.1 degree can be modified	9	SPECIFIED
		19	SPECIFIED	29	SPECIFIED										• ±20% of rate, less 3.5VA for AC input • ±20% of rate, less 3WATT for DC input

2. Specification

- Aux. power supply : AC110 or 220V ±20% (50 or 60Hz) (Optional DC 24V or 48V or 110V or 220V switching AC90~260V ±10%)
- Measuring accuracy (23±5°C) : 0.05% F.S ±1 digit (DC, Transmitter) 0.1% F.S ±1 digit (DC, AC(TRMS)), Pt-100, Potentiometer) 0.15% F.S ±1 digit (DC, AC(TRMS)) 0.2% F.S ± 0.5°C (CJC) (Thermocouple)
- Sampling time : 0.04 second adjustable
- Readout range : -1999~9999 digit adjustable (compare range)
- Compare hysteresis (deadband range) : 0~9999 digit adjustable
- Alarm delay time (deadband delay time) : 00.00~99.99 second adjustable
- Alarm action : "Hi" or "Lo" adjustable
- Over input indication : "ovEr"
- Display : Red high efficiency LEDs high 9.2mm (0.36")
- Polarity display : When input is negative, "-" displayed
- Relay contact output : AC 250~3A, DC30V~5A
- Temp. coefficient : 50ppm/°C (0-50°C)
- Dielectric strength : 2KVac/1min. (input/output)
- Operating condition : 0~50°C (humidity 20 to 90% RH non-condensed)
- Storage condition : 0~70°C (humidity 20 to 90% RH non-condensed)
- Construction : Socket/plug-in type with barrier terminals

3. Terminal connection



4. Dimension → See transmitter dimension