

MICROPROCESS DIGITAL METER RELAY (one-alarm)



FEATURES

- Measuring DCA, DCV, ACA, ACV, Potentiometer, Transmitter, Pt-100, Load Cell, etc...
- Accuracy 0.1% F.S ± 1 digit (DC, AC (TRMS), Potentiometer, Transmitter, Load Cell, Pt-100)
- Programmable rate -9999 to 9999 digit
- Decimal point can be modified
- One alarm, compare hysteresis, alarm delay, start delay function
- Auto zero function

1. MODEL: PF-M-0 - [] - [] - [] - [] → X = 0 (non-A and B and C), X = 1 (only A) Note: A: deadband and deadband delay
X = 2 (only A + B), X = 3 (A + B + C) B: alarm delay
C: compare hysteresis

NO	Input Type	NO	DCV (ACV)	NO	DCA (ACA)	NO	Potentiometer	NO	Pt-100	NO	Transmitter	NO	Load Cell	NO	Aux. Power
A	DC	11	0-50.0 mV	21	0-9.999 μ A	31	0-10%	41	-50.0~50.0°C	51	DC 4-20mA	61	DC 2.0mV/V	1	AC 110/220V
B	AC (RMS)	12	0-99.99 mV	22	0-99.99 μ A	32	0-50%	42	-100.0~100.0°C	52	DC 1-5V	62	DC 3.0mV/V	2	DC 24V
C	AC (TRMS)	13	0-999.9 mV	23	0-2.000 mA	33	0-100%	43	-200.0~200.0°C	53	DC 4-20mA	63	SPECIFIED	3	DC 48V
D	Potentiometer	14	0-5 V	24	0-20.00 mA	34	5-95%	44	-200.0~400°C	54	DC 1-5V	* non-exciting Voltage	4	DC 110V	
E	Transmitter	15	0-10 V	25	0-200.0 mA	35	10-90%	45	-200~850°C	59	SPECIFIED		5	DC 220V	
F	Pt-100 (RTD)	16	0-35 V	26	0-2.000 A	39	SPECIFIED	49	SPECIFIED	• 51-52 non-exciting DC 15V • 53-54 exciting DC 15V (≤ 25 mA)	* non-exciting Voltage	6	AC 90~260V		
G	Load Cell	17	0-600 V	27	0-5.000 A	• Three wire connection • Exciting voltage DC 5V (≤ 5 mA)	• Three wire connection	9	SPECIFIED			• $\pm 20\%$ of rate, less 3.5VA for AC input • $\pm 20\%$ of rate, less 3WATT for DC input			
O	SPECIFIED	18	0-1000 V	28	0-9.999 A				19	SPECIFIED	29		SPECIFIED		

2. Specification

- Aux. power supply : AC110 & 220V $\pm 20\%$ (50 or 60Hz) (Optional DC 24V or 48V or 110V or 220V switching AC90~260V $\pm 10\%$)
- Measuring accuracy (23 $\pm 5^\circ$ C) : 0.1% F.S ± 1 digit (DC, AC(TRMS)), Pt-100, Transmitter, 0.15% ± 1 digit (AC(RMS))
- Sampling time : 0.1~9.9 second adjustable
- Readout range (compare range) : -9999~9999 (adjustable)
- Parameter setting (auto-zero range) : Touch switches
- Compare setting methods : Digital rotary switches
- Compare hysteresis (deadband) : 0~999 digit adjustable
- Alarm delay time (deadband delay time) : 0~99.9 second adjustable
- Alarm action : "Hi" or Lo" adjustable
- Display : Red high efficiency LEDs high 14.22mm (0.56")
- Polarity display : When input is negative, "-" displayed
- Relay contact output : AC 250~3A, DC30V~5A
- Temp. coefficient : 50ppm/ $^\circ$ C (0-50 $^\circ$ C)
- Dielectric strength : 1.5KVac/1min. (input/output)
- Operating condition : 0~50 $^\circ$ C (20 to 90% RH non-condensed)
- Storage condition : 0~70 $^\circ$ C (20 to 90% RH non-condensed)

3. Outside dimension and connection diagram

