

MULTI-FUNCTION MICROPROCESS RPM & LINE-SPEED CONTROLLER METER (48X48mm)

MODEL
MR48



■ FEATURES

- Accuracy 0.03% F.S.
- Accepts input rates up to 50KHz
- Accept input rates 50 or 50000 CPS can be modified
- Dual input math function B-A,B/A,(B/A-1),1-(B/A),B/(A+B)
- Display type of RPM or line-speed can be modified
- Input pulse of revolution can be modified(1~99999 pulse/revolution)
- Two alarm function (optional)
- 16 bit DAC analog output function (optional)
- Digit RS-485 interface function (optional)
- Protection class NEMA4/IP65

1.MODEL:MR48-□□□□□□□□

NO	Input Type(Exciting Voltage)	NO	Input rates	NO	Alarm Output	NO	Alarm Output	NO	Analog output	NO	RS-485	NO	Aux.Power
A	Pulse (PNP)(5V)	1	50 Pulse/Sec	0	None	3	One(Transistor NPN)	N	None	N	None	A	AC/DC18~60V
B	Pulse(NPN)(12V)	2	50000 Pulse/Sec	1	One(Relay)	4	Two(Transistor PNP)	V	DC4~20mA	Y	RS-485	B	AC/DC90~260V
C	Pulse(PNP)(12V)	•1:Contact input		2	Two(Relay)		•Max.DC30V/40mA	R	DC0~10V		•Modbus mode		•Less 3VA for AC/DC input
O	SPECIFIED	•2:Non-contact input			Relay contact(AC250V-5A,DC30V-5A)				SPECIFIED		•256 nodes on bus		

2.SPECIFICATION

- Measuring accuracy :0.03% F.S.(23±5℃)
- Count input type :Jump-pin selectable current sourcing(NPN) or current sinking(PNP)
- Count input trigger levels :High level:V_{IH}=DC4~30V(Pulse)
Low level:V_{IL}=DC0~2V(Pulse)
- Max.count rates :50KHz(50% duty cycle)
- Sampling time :10 cycles/sec.(>10Hz)
f cycles/sec.(<10Hz)
- Readout range :-19999~99999 digit adjustable
- Scale setting :0.0001~9.9999(RPM)
0.0001~9.9999M(Line-speed)
- Alarm action :HI or Lo adjustable
- Transistor output type :Photo couple of open-collector
(Max.DC30V/40mA)
- Relay contact output :AC250V-5A,DC30V-5A
- Analog output resolution :16 bit DAC(Isoating)
- Response time :<250ms(0~90%)
- Output drive capability :<10mA for voltage mode
<10V for current mode
- Output ripple(p-p) :<0.1%F.S.
- RS-485 address :"01"~"FF"(0~255)
- RS-485 baud rate :19200/9600/4800/2400 selective
- Display :Red high efficiency LEDs high 10.16mm(0.4")(PV)
Red high efficiency LEDs high 7.00mm(0.28")(SV)
- Parameter setting :Touch switches
- Sensor power supply :5V_{DC} ±3%(<60mA)
12V_{DC} ±3%(<60mA)
- Memory mode :Non-volatile E²PROM memory
- Dielectric strength :2KV_{ac}/1 min.(input/output/power)
1600V_{dc}(input/output)
- Operating condition :0~50℃ (20 to 90% RH non-condensed)
- Storage condition :0~70℃ (20 to 90% RH non-condensed)
- CE EMC Certification :EN 55022:1998/A1:2000 Class A
EN 61000-3-2:2000
EN 61000-3-3:1995/A1:2001
EN55024:1998/A1:2001

3.OUTSIDE DIMENSION AND CONNECTION DIAGRAM

