5 DIGIT MICROPROCESS DUAL COUNTER(MATH FUNCTION) LENGTH & FLOW CONTROLLER METER

MODEL MMCD-M

■ FEATURES

- Accepts input rates up to 10KHz
- Dual input measuring and display sensor signal
- Dual input math function A+B,A-B,AxB,A/B
- Three counting modes up/down,direct-up/down,quadrature-up/down can be modified
- Quadrature sensing up to 4 times resolution
- Input scaling multiplied 0.0001 to 9.9999 can be modified
- Four independent alarm function (optional)
- 16 bit DAC analog output function (optional)
- Digit RS-485 interface function (optional)

1.MODEL:MMCD-M□ □ - □ □ □ □

NO	Input Type(Exciting Voltage)
A	Pulse (TTL)(5V)
B	Pulse(NPN)(12V)
C	Pulse(PNP)(12V)
O	SPECIFIED

NO	Input rates
1	50 Pulse/Sec
2	10000 Pulse/Sec

•1:Contact input
•2:Non-contact input

NO	Alarm output
0	None
1	One(Relay)
2	Two(Relay)
3	Three(Relay)
4	Four(Relay)

•Relay contact(AC250V-5A,DC30V-7A)

NO	Alarm output
5	One(Transistor)
6	Two(Transistor)
7	Three(Transistor)
8	Four(Transistor)

NO	Analog output
N	None
I	DC4~20mA
V	DC0~10V
T	DC4~20mA
R	SPECIFIED

•Two-wire transmitter output (Exciting voltage DC10~36V)

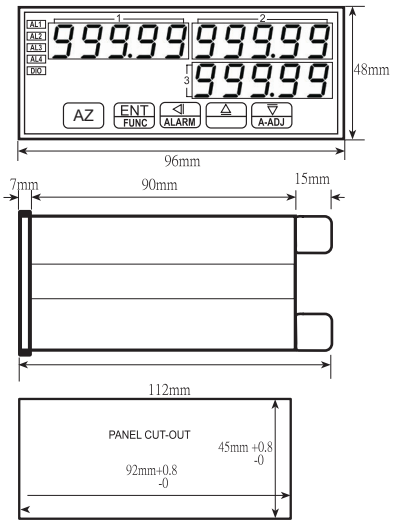
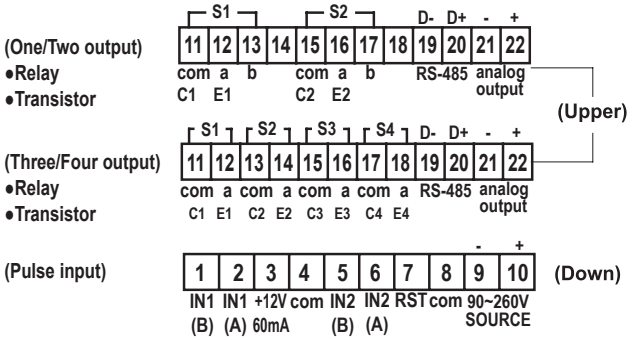
NO	RS-485
N	None
Y	RS-485

•Modbus mode
•256 nodes on bus

NO	Aux.POWER
A	AC/DC18~60V
B	AC/DC90~260V

•Less 4VA for AC/DC input

2.SPECIFICATION

- •Count input type :Jump-pin selectable current souring(NPN) or current sinking(PNP)
- •Count input trigger levels :High level:V_{IH}=DC4~30V(Pulse) Low level :V_{IL}=DC0~2V(Pulse)
- •Maximum.count rates :<10KHz(Up/Down,Direct-Up/Down mode) <5KHz(Quadrature-Up/Down mode)
- •Over input indication :"doFL"and"-doFL"
- •Readout (compare)range :-19999~99999 digit adjustable
- •Alarm action :HI or Lo adjustable
- •Alarm output respones time:<10ms(Relay output) <0.5ms(Transistor output)
- •Relay contact output :AC250V-5A,DC30V-7A
- •Transistor output type :Photo couple of open-collector(Max.DC30V/40mA)
- •Analog output resolution :16 bit DAC(Isoating)
- •Response time :<1/f+10ms(0~90%)
- •Output drive capability :<10mA for voltage mode <10V for current mode <[(V+)-7.5V]/20mA for two-wire mode
- •Output ripple(p-p) :<0.1%F.S.
- •RS-485 address :"00"~"FF"(0~255)
- •RS-485 baud rate :38400/19200/9600/4800/2400 selective
- •RS-485 protocol :Modbus RTU mode
- •Display :Red high efficiency LEDs high 10.18mm(0.4")
- •Sensor power supply :12V_{DC} ±3%(<60mA)
- •Memory mode :Non-volatile E^2PROM memory
- •Dielectric strength :2KVac/1 min.(input/output/power) 1600Vdc(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