



■ FEATURES

- Accuracy 0.05% F.S.±1digit
- Measuring and display rate(5 digits)/batch(6 digits)/totalizer(10 digits)
- Display flow unit TON/M<sup>3</sup>/Liter/GAL/CC can be modified
- Programmable time base(1 or 60 or 3600 or 86400 second
- Prestop counting function
- Two-counting mode Up/Down for batch controller
- Front panel push buttons allow the operator to start/stop/batch reset function
- Synchronize totalizer of pulse output function
- Protection class NEMA4/IP64

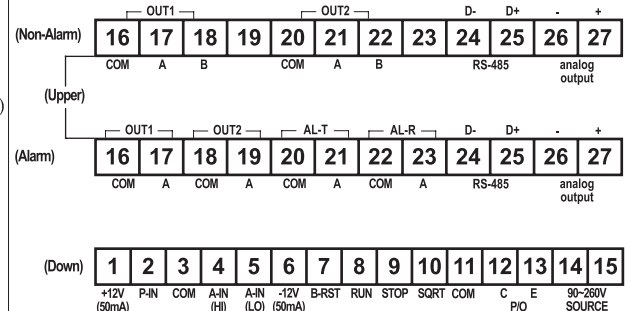
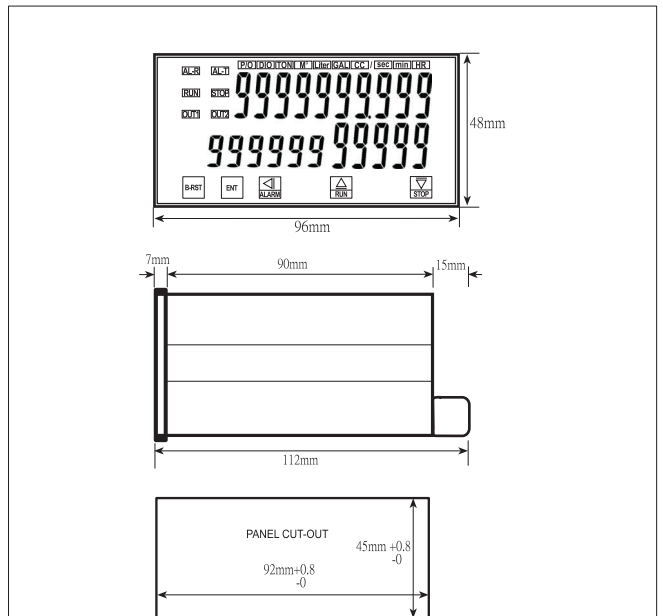
1.MODEL:MRT-B

NO	Input Type	NO	Input Type	NO	Linearity function	NO	Alarm output	NO	Analog output	NO	RS-485	NO	Aux. Power
A	DC1~5V & NPN/PNP Voltage pulse	O	SPECIFIED	N	None	0	None	N	None	N	None	A	AC/DC18~60V
B	DC4~20mA & NPN/PNP Voltage Pulse			Y	16 point(linearity)	2	Rate/Totalizer	I	DC4~20mA	Y	RS-485	B	AC/DC90~260V
C	DC1~5V & Magnetic pick-up				• Only analog input type		• Relay contact(AC250V-5A DC30V-7A)	V	DC0~10V		• Modbus RTU mode • 256 nodes on bus		• Less 5VA for AC/DC input
D	DC4~20mA & Magnetic pick-up							R	SPECIFIED				

2.SPECIFICATION

- Measuring accuracy : 0.05% F.S.±1 digit(Rate/Analog input) (23±5°C)
- Readout/compare range : 0~99999 digit(Rate)/0~999999 digit(Batch) 0~9999999999 digit(Totalizer)
- Input type : In side jump selectable:  
DC4~20mA/DC1~5V(Analog)  
Current sourcing(NPN)/Current sinking(PNP)/  
Switch contact(Pulse)
- Count input trigger levels : High level: V<sub>IH</sub>=DC4~30V(Pulse)  
V<sub>IH</sub>=AC30mV~30V(Magnetic pick-up)  
V<sub>IH</sub>=Rmax.<500 ohm(Switch contact)  
Low level: V<sub>IL</sub>=DC0~2V(Pulse)  
V<sub>IL</sub>=AC0~20mV(Magnetic pick-up)  
V<sub>IL</sub>=Rmax.>1K ohm(Switch contact)
- Max.count rates : <10KHz(50% duty cycle(Pulse))  
<1KHz(Magnetic pick-up)  
<100Hz(Switch contact)
- Batch controller start time delay : 0 to 99 second adjustable(Output2)
- Batch controller prestop range : 0 to 9999 digit adjustable(Output2)
- Batch controller counting modes : Up or Down can be modified
- Batch controller output reset type : Manual(N) or Auto restart(A) can be modified
- Analog output resolution : 16 bit DAC
- Response time : < 50ms(0~90%)
- Output drive capability : < 10mA for voltage mode  
< 10V for current mode
- Pulse output : Photo couple of open-collector(Max.DC30V/50mA)  
(Synchronize totalizer)(Max.100Hz)
- RS-485 address : "01"~"FF"(0~255)
- RS-485 baud rate : 38400/19200/9600/4800/2400 selective
- Temp. coefficient : 50ppm/°C (0~50°C)
- Display (Rate/Totalizer) : Red high efficiency LEDs high 10.16mm(0.4")  
(Batch) : Red high efficiency LEDs high 7.0mm(0.28")
- Memory mode : Non-volatile E<sup>2</sup> PROM memory
- Dielectric strength : 2KVac/1 min. (input/output/power)  
1600Vdc (input/output)
- Operating condition : 0~50°C (20 to 90% RH non-condensed)
- Storage condition : 0~70°C (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  
EN 55024:1998/A1:2001

3.OUTSIDE DIMENSION AND CONNECTION DIAGRAM



Note:1.Batch controller (two-stage) is effective the OUT1 and OUT2 controller relay (AC250V-5A,DC30V-7A)  
2.Pulse output is effective the open-collector(Max.DC30V/50mA) synchronize totalizer(Max. 100Hz)