MICROPROCESS RATE & TOTALIZER CONTROLLER METER

MODEL MRT

■ FEATURES

- Programable rate 0 to 19999 digit (rate),0 to 999999999 digit (totalizer))
- Accuracy 0.05%F.S. ±1digit
- Programable time base (1,60,3600 second)
- Programable rate 0 to 19999 digit
- Programable scale factor (0.00001 to 9999.99999)(totalizer))
- Math-rootextractor function
- Correction for non-linearity function(9 segments) (optional)
- Dual alarm function (optional)
- 15 bit DAC isolating analog output function (optional)
- Digit RS-485 interface function (optional)
- Digital pulse output function (optional)

1.MODEL:MRT-□ □ □ - □ □ □ - ☒ X=0(none-pulse output) X=P(1 pulse/conut output)

NO	Input Type
A	DC1-5V
B	DC4-20mA
C	•DC1-5V
D	•DC4-20mA
O	SPECIFIED

NO	Input Function
N	Normal
Y	Math-rootextractor

NO	Alarm
0	Non-alarm
1	One-alarm
2	Two-alarm

•Pulse output only one-alarm

NO	Analog output
N	None
I	DC4-20mA
V	DC0-10V
I	•DC4-20mA
R	SPECIFIED

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

NO	RS-485 output
N	None
Y	RS-485

• Modbus RTU mode
• 256 nodes on bus

NO	Aux. Power
A	AC/DC 18V-60V
B	AC/DC 90V-260V

• Less 5VA for AC/DC input

Note: • Exciting supply DC24V(<25mA)

2.SPECIFICATION

- Measuring accuracy : 0.05% F.S. ±1 digit (rate) (23 ±5°C)
- Sampling time : 16 cycles/sec.
- Over input indication : " doFL "
- Readout (compare) range : 0-19999 adjustable(rate)
  0-999999999 adjustable (totalizer)
- Alarm action : Hi or Lo adjustable
- Relay contact output : AC 250V-5A,DC 30V-7A
- Analog output resolution : 15 bit DAC (isolating)
- Response time : < 250ms (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 baud rate : 19200/9600/4800/2400 selective
- RS-485 address : "01"-"FF"
- Temp. coefficient : 100ppm/°C (0-50°C)
- Display : Red high efficiency LEDs high 10.16 mm(0.4")
- Memory mode : Non-volatile E^2 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