



■ FEATURES

- Programable rate 0 to 19999 digit (rate), 0 to 999999999 digit (totalizer)
- Accuracy 0.03% F.S. (rate)
- Input range form 0.01Hz to 10KHz
- Programable time base(1,60,3600 second)
- Programable rate 0 to 19999 digit
- Programable scale factor (0.00001 to 9999.99999)(totalizer)
- Dual alarm function (optional)
- 15 bit DAC isolatating analog output function (optional)
- Digit RS-485 interface function (optional)
- Digital pulse output function (optional)

1.MODEL:MFRT- ☐ ☐ ☐ ☐ ☐ - ☒ X=0(none-pulse output) X=P(1 pulse/conut output)(Pulse outpt only one-alarm)

NO	Input Type	NO	Input Type	NO	Input Type	NO	Input rates	NO	Alarm Output	NO	Analog output	NO	RS-485 output	NO	Aux. Power
A	Pulse(TTL)(5V)	D	Magnetic pick-up (AC50mV~1.5V)	F	AC2~60V	1	50 pulse/sec	0	Non-alarm	N	None	N	None	A	AC/DC 18~60V
B	Pulse(NPN)(12V)			O	SPECIFIED	2	5000 pulse/sec	1	One-alarm	I	DC4~20mA	Y	RS-485	B	AC/DC 90~260V
C	Pulse(PNP)(12V)	E	Magnetic pick-up (AC500mV~15V)				•50 pulse/sec. for relay contacts input	2	Two-alarm	V	DC0~10V		•Modbus RTU mode •256 nodes on bus		•Less 5VA for AC/DC input
								T		T	•DC4~20mA				

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

2.SPECIFICATION

- Measuring accuracy : 0.03% F.S.(rate) ($23\pm5^{\circ}\text{C}$)
- Count input type : Switch selectable current sourcing(NPN) or current sinking (PNP)
- Count input trigger levels : Hi bias (CMOS) ($V_{IH}=7.5\text{V}, V_{IL}=5.5\text{V}$)
Lo bias (TTL) ($V_{IH}=3.7\text{V}, V_{IL}=2.0\text{V}$)
- Max. count rates : <10KHz (50% duty cycle)(pulse)
<10KHz (magnetic pick-up)
- Sampling time : 10 cycles/sec. (>10Hz)(rate)
f cycle/sec. (<10Hz)(rate)
- 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 : < $1/f + 10\text{ms}$ (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"(0~255)
- Display : Red high efficiency LEDs high 10.16 mm (0.4")
- Memory mode : Non-volatile E² PROM memory
- Dielectric strength : 2KVac/1 min. (input/output/power)
1600 Vdc(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

