



FEATURES

- Programmable rate 0 to 19999 digit (rate), 0 to 999999999 digit (totalizer)
- Accuracy 0.03% F.S. (rate)
- Input range form 0.01Hz to 10KHz
- Programmable time base(1,60,3600 second)
- Programmable rate 0 to 19999 digit
- Programmable scale factor (0.00001 to 9999.99999)(totalizer)
- 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:MFRT-

- X X=0(none-pulse output) X=P(1 pulse/conout output)

NO	Input Type	NO	Input Type	NO	Input Type	NO	Input rates	NO	Alarm	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)	E	Magnetic pick-up (AC50mV-15V)			2	5000 pulse/sec	1	One-alarm	I	DC4-20mA	Y	RS-485	B	AC/DC 90-260V
C	Pulse(PNP)(12V)						50 pulse/sec. for relay contacts input	2	Two-alarm	V	DC0-10V		Modbus RTU mode		Less 5VA for AC/DC input
										T	DC4-20mA				

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

2.SPECIFICATION

- Measuring accuracy : 0.03% F.S.(rate) (23 ± 5)
- Count input type : Switch selectable current sourcing(NPN) or current sinking (PNP)
- Count input trigger levels : HI bias (CMOS) (V_{IH}=7.5V, V_{IL}=5.5V) Lo bias (TTL) (V_{IH}=3.7V, V_{IL}=2.0V)
- 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 + 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 baud rate : 19200/9600/4800/2400 selective
- RS-485 address : "01"- "FF"
- RS-485 protocol : Modbus RTU mode
- Display : Red high efficiency LEDs high 10.16 mm (0.4")
- Parameter setting : Touch switches
- Memory mode : Non-volatile E² PROM memory
- Dielectric strength : 2KVac/1 min. (input/output/power) 1600 Vdc(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 EN 55024:1998/A1:2001

3.OUTSIDE DIMENSION AND CONNECTION DIAGRAM

