



(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 totalizer of pulse in time base (0 to 999999999 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)

1.MODEL:MFRT-()-()-()-()-()

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/DC18V~60V
B	Pulse(NPN)(12V)			O	SPECIFIED	2	5000 pulse/sec	1	One-alarm	I	DC4~20mA	Y	RS-485	B	AC/DC90V~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		#Less 5VA for AC/DC input
										R	SPECIFIED				

2.SPECIFICATION

- # Measuring accuracy : 0.03% F.S.(rate) (23 $\pm$ 5 $^{\circ}$ C)
- # Count input type : Switch selectable current sourcing(NPN) or current sinking (PNP)
- # Count input trigger levels : HI bias (CMOS) (VIH=7.5V,VIL=5.5V)
Lo bias (TTL) (VIH=3.7V,VIL=2.0V)
- # Max. count rates : <10KHz (50% duty cycle)(pulse)
<10KHz (magnetic pick-up)
- # Sampling time : 10 cycles/sec. (>10Hz)(rate)
1 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-3A,DC 30V-5A
- # 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
- # Output ripple (p-p) : <0.1% F.S.
- # RS-485 baud rate : 19200/9600/4800/2400 selective
- # RS-485 adress : "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 $^{\circ}$ C(20 to 90% RH non-condensed)
- # Storage condition : 0~70 $^{\circ}$ C(20 to 90% RH non-condensed)

3.OUTSIDE DIMENSION AND CONNECTION DIAGRAM

