微電腦型脈波輸入瞬間量, 累積量(9位數)顯示控制電錶

(MICROPROCESS RATE & TOTALIZER CONTROLLER METER)(PULSE INPUT)

MODEL MFRT

CE

■特點(FEATURES)

- •顯示範圍0至19999(瞬間量),0至999999999(9位數累積量)可任意規劃 (Programable rate 0 to 19999 digit (rate),0 to 999999999 digit (totalizer))
- •精確度0.03%滿刻度(瞬間量) (Accuracy 0.03% F.S. (rate))
- •頻率輸入範圍 0.01Hz 至 10KHz (Input range form 0.01Hz to 10KHz)
- •瞬間量與累積量時間基數可任意規劃(1 或 60 或 3600 秒)(Programable time base(1,60,3600 second))
- •瞬間量之最高顯示值可任意規劃(0至19999)(Programable rate 0 to 19999 digit)
- •累積量之輸入脈波比例刻劃調整可任意規劃(0.00001至9999.99999) (Programable scale factor (0.00001 to 9999.99999)(totalizer))
- •具有二組警報功能(Dual alarm function) (optional)
- •15 BIT 隔離類比輸出(15 bit DAC isolatating analog output function) (optional)
- •數位 RS-485 界面(Digit RS-485 interface function) (optional)
- •數位脈波同步輸出功能(Digital pulse output function) (optional)

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

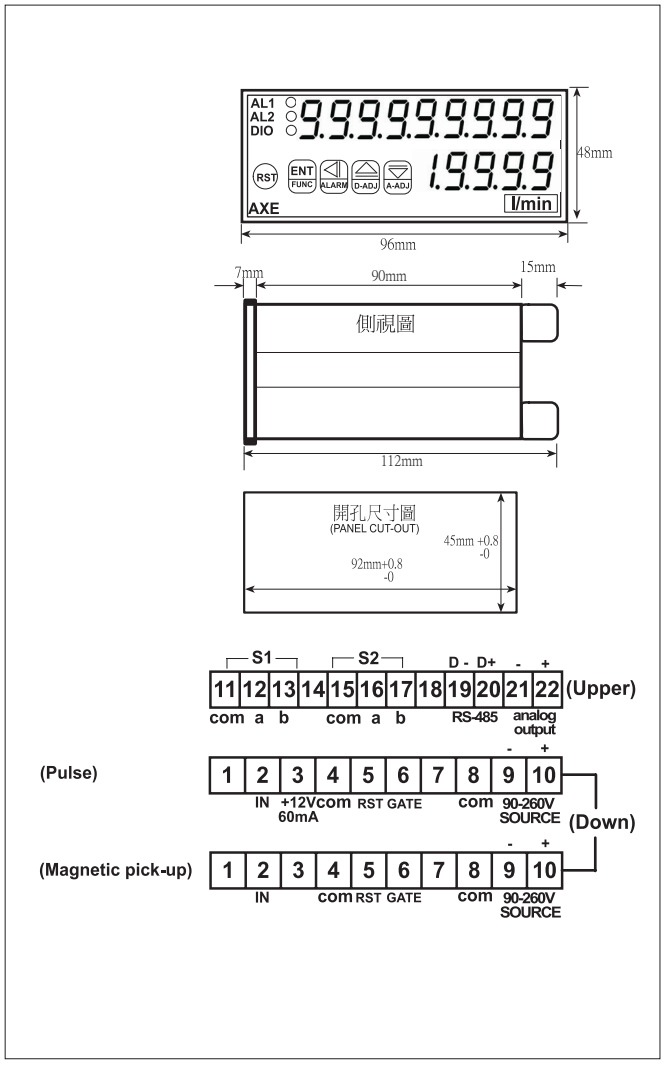
(選購型號)

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	•DC4~20mA				

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

2.SPECIFICATION (主要規格)

- •Measuring accuracy (精確度) : 0.03% F.S.(rate) (23±5℃)
- •Count input type (脈波輸入型式) : Switch selectable current souring(NPN) or current sinking (PNP)
- •Count input trigger levels (脈波動作電位) : 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 (最高輸入頻率) : <10KHz (50% duty cycle)(pulse) <10KHz (magnetic pick-up)
- •Sampling time (取樣時間) : 10 cycles/sec. (>10Hz)(rate) f cycle/sec. (<10Hz)(rate)
- •Readout (compare) range (顯示值(比較值)範圍) : 0~19999 adjustable(rate) 0~999999999 adjustable (totalizer)
- •Alarm action (繼電器動作方向) : Hi or Lo adjustable
- •Relay contact output (繼電器容量) : AC 250V-5A,DC 30V-7A
- •Analog output resolution (類比輸出解析度) : 15 bit DAC (isolating)
- •Response time (反應速度) : < 1/f + 10ms (0~90%)
- •Output drive capability (輸出負載能力) : <10mA for voltage mode <10V for current mode <[(V+)-7.5V]/20mA for two-wire mode
- •Output ripple (p-p) (輸出之漣波) : <0.1% F.S.
- •RS-485 baud rate (傳輸速率) : 19200/9600/4800/2400 selective
- •RS-485 address (通訊位址) : "01"~"FF"(0~255)
- •Display (顯示幕) : Red high efficiency LEDs high 10.16 mm (0.4")
- •Memory mode (記憶方式) : Non-volatile E^2 PROM memory
- •Dielectric strength (絕緣耐壓能力) : 2KVac/1 min. (input/output/power) 1600 Vdc(input/output)
- •Operating condition (使用環境條件) : 0~50℃(20 to 90% RH non-condensed)
- •Storage condition (存放環境條件) : 0~70℃(20 to 90% RH non-condensed)
- •CE EMC Certification (CE認證) : 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

(外型尺寸與開孔尺寸與配線圖)