薄型數學演算式隔離傳送/警報控制電驛
(SLIM TYPE MATH FUNCTION ISOLATED TRANSMITTER & CONTROLLER METER RELAY)

CE

■特點(FEATURES)
- •精確度0.05%滿刻度±1位數(Accuracy 0.05% F.S.±1digit)
- •可作各式數學演算式功能如:A+B/A-B/AxB/A/B/A&B(Hi or Lo)/lAl/√Ā
  (Math function A+B/A-B/AxB/A/B/A&B(Hi&Lo)/lAl/√Ā /etc.....)
- •顯示範圍-19999~99999可任意規劃(Programmable rate -19999~99999 digit)
- •2組警報功能(Max. two alarm function)(optional)
- •16BIT 類比輸出功能(16 bit DAC analog output function)(optional)
- •數位RS-485界面(Digit RS-485 interface function)(optional)
- •寬範圍交直流兩用電源設計(Wide input range for auxiliary power)
- •尺寸小,穩定性高(Dimension small & Higt stability)

1.MODEL:SMMTR - ☐ ☐ ☐ - ☐ ☐ ☐ ☐
(選購型號)

NO	Input Type	NO	Input A Range	NO	Input B Range	NO	Alarm output	NO	Analog output	NO	RS-485	NO	Aux.Power
A	A±B	1	DC0~50mV	1	DC0~50mV	0	None	0	None	N	None	A	AC/DC18~60V
B	AxB(A/B)	3	DC0~10V	3	DC0~10V	1	One	1	DC4~20mA	Y	RS-485	B	AC/DC90~260V
C	A&B(Hi or Lo)	5	DC-10~+10V	5	DC-10~+10V	2	Two	2	DC0~10V	•Modbus mode		•Less 4VA for	
D	lAl	7	DC0~20mA	7	DC0~20mA	•When analog & RS-485		9	SPECIFIED	•256 modes on bus		AC/DC input	
E	√Ā	8	DC4~20mA	8	DC4~20mA	output,only one		•When two-alarm output,only one analog					
O	SPECIFIED	9	SPECIFIED	9	SPECIFIED	alarm output		output or another RS-485 output					

2.SPECIFICATION (主要規格)

- •Measuring accuracy (精確度)(23±5℃) : 0.05% F.S.±1 digit
- •Input resistance (輸入阻抗) : >100 Mohm(< 2V range) >2 Mohm(> 2V range) <100 ohm (current input)
- •Sampling time (取樣時間) : 16 cycles/sec.
- •Readout range (顯示值範圍) : –19999~99999 digit adjustable
- •Alarm delay time (繼電器延遲動作時間) : 0~99.9 second adjustable
- •Alarm action (繼電器動作方向) : HI or Lo adjustable
- •Relay contact output (繼電器容量) : AC 250V-2.5A, DC 30V-5A
- •Analog output resolution (類比輸出解析度) : 16 bit DAC
- •Response time (輸出反應速度) : < 250ms(0~90%)
- •Output drive capability (輸出負載能力) : < 10mA for voltage mode < 10V for current mode
- •Output ripple (p-p) (輸出之漣波) : < 0.1% F.S.
- •RS-485 address (通訊位址) : "01"~"FF"(0~255)
- •RS-485 baud rate (傳輸速度) : 19200/9600/4800/2400 selective
- •RS-485 protocol (通信協議) : Modbus RTU mode
- •Temp. coefficient (溫度係數) : 50ppm/℃ (0~50℃)
- •Display (顯示幕) : Red high efficiency LEDs high 6.8mm(0.268")
- •Parameter setting (參數設定方式) : Touch switches
- •Memory mode (記憶型式) : 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) : 0~60℃(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Unit:mm與配線圖)

22.5mm
78mm
76
95.5
78

(A input)
| 6 | 5 | 4 | 3 | 2 | 1 |
A/O or RS-485 — Input A
(Upper)

(A & B input)
| 6 | 5 | 4 | 3 | 2 | 1 |
A/O or RS-485 — Input B — Input A

(Relay output)
AL1 — AL2
| 7 | 8 | 9 | 10 | 11 | 12 |
Power — com — a — com — a
(Down)

(Relay & RS-485 output)
AL1 — D- — D+
| 7 | 8 | 9 | 10 | 11 | 12 |
Power — com — a — RS-485