水平式RS485控制4組類比信號輸出隔離模組

(HORIZONTAL TYPE RS-485 CONTROLLER 4 CHANNAL ANALOG OUTPUT ISOLATED MODULE)

MODEL HMRS2

■特點(FEATURES)

- •類比輸出精確度±0.05%滿刻度(Analog output accuracy ±0.05% F.S.)
- •顯示範圍-19999~99999位數(Readout range form -19999~99999 digit)
- •可同時顯示與輸出類比功能(DC4~20.000mA/0~20.000mA/0~5.000V/0~10.000V)
  (Calibrator analog output for DC4~20.000mA/0~20.000mA/0~5.000V/0~10.000V)
- •通訊協議Modbus RTU模式(Modbus RTU mode for RS-485 protocal)
- •4組繼電器輸出功能(Four relay output function)(optional)
- •4組16 BIT類比輸出功能(Four 16 bit DAC analog output(Voltage/current)
- •2組數位脈波(ON/OFF)輸入,計數範圍0~99999,Max.100Hz
  (Two set of digit(ON/OFF)input counter 0~99999,Max.100Hz)
- •內建看門狗功能(Built-in watchdog function)

1.MODEL:HMRS2-□ □

(選購型號)

NO	Relay output	NO	Analog output
N	None	N	None
P	Pulse(Four)	A	DC0~5V/0~10V/ DC0~20mA/4~20mA
R	Relay(Four)		
M	Photo Mos Relay(Four)		

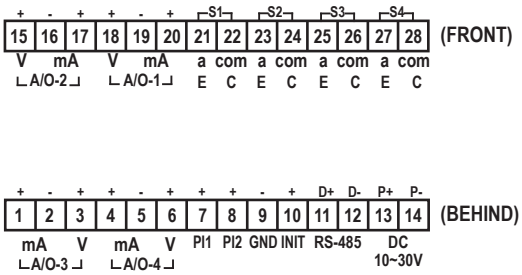
2.SPECIFICATION(主要規格)

•Aux.power supply (輔助電源)	:DC10~30V(≦3.3W),HMRS2-NX (≦4.3W),HMRS2-RX
•Analog output accuracy (類比輸出精確度)(23±5℃)	:±0.05% F.S.
•Readout range (顯示值範圍)	:-19999~99999 digit (RS-485) DC0~5.000V/0~10.000V(Voltage) DC0~20.000mA/4~20.000mA(current)
•Pulse input type (脈波輸入型式)	:One-short ON(≧10ms/Max 100Hz)
•Analog output range (類比輸出規格)	:DC0~5V/0~10V DC0~20mA/4~20mA can be modified
•Analog output resolution (類比輸出解析度)	:16 bit DAC(Isolation)
•Analog output slope (類比輸出斜率)	:0.125~1024mA/sec.(current output) 0.0625~512V/sec.(voltage output)
•Output drive capability (輸出負載能力)	:≦10mA for voltage mode ≦10V for current mode
•Relay contact output (繼電器容量)	:AC250V-5A,DC30V-5A
•Pulse output type (脈波輸出型式)	:Photocouple of open-collector (DC3.5~250V,≦120mA)
•Photo Mos relay output (Photo Mos繼電器容量)	:AC/DC3.5~50V,≦0.8A
•RS-485 address (通訊位址)	:"00"~"FF"(0~255)
•RS-485 baud rate (傳輸速度)	:1200~115200 selective
•RS-485 protocol (通信協議)	:Modbus RTU mode(250 nodes on bus)
•Temp. coefficient (溫度係數)	:50ppm/℃(0~50℃)(Analog output)
•Display (顯示幕)	:Red high efficiency LEDs high 6.80mm(0.268")
•Parameter setting (參數設定方式)	:Touch switches
•Memory mode (記憶型式)	:Non-volatile E²PROM memory
•Dielectric strength (絕緣耐壓能力)	:2KVac/1 min.(output/power/RS-485) 1600Vdc(RS-485/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)
•Construction (安裝方式)	:35mm DIN rail(EN50021)
•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 EN55024:1998/A1:2001

3.OUTSIDE DIMENSION(外型尺寸)

●High=43.0mm

4.TERMINALCONNECTION(配線圖)



- **●Note 1:Photo Mos Relay output and relay output are marked the same**
- **●Note 2:Only one of the two output (mA/V) mode can be selected**
- **●Note 3:When "INIT"=One-short ON(>100ms)**
  - **1:A/O DC4~20mA=4mA**
  - **2:A/O DC0~20mA=0mA**
  - **3:A/O DC0~5V/0~10V=0V**
  - **4:RS-485 is address=00,baud rate=9600,Pari=N.8.2,no checksum**