

SCI-RM44

Remote Control IO



Features

- Programmable 4 x digital output and 4 x analog input
- I/O interface with industrial grade protection
- RS-485 industrial connectivity
- Wide operating temperature -20 ~ 70 °C

Specifications

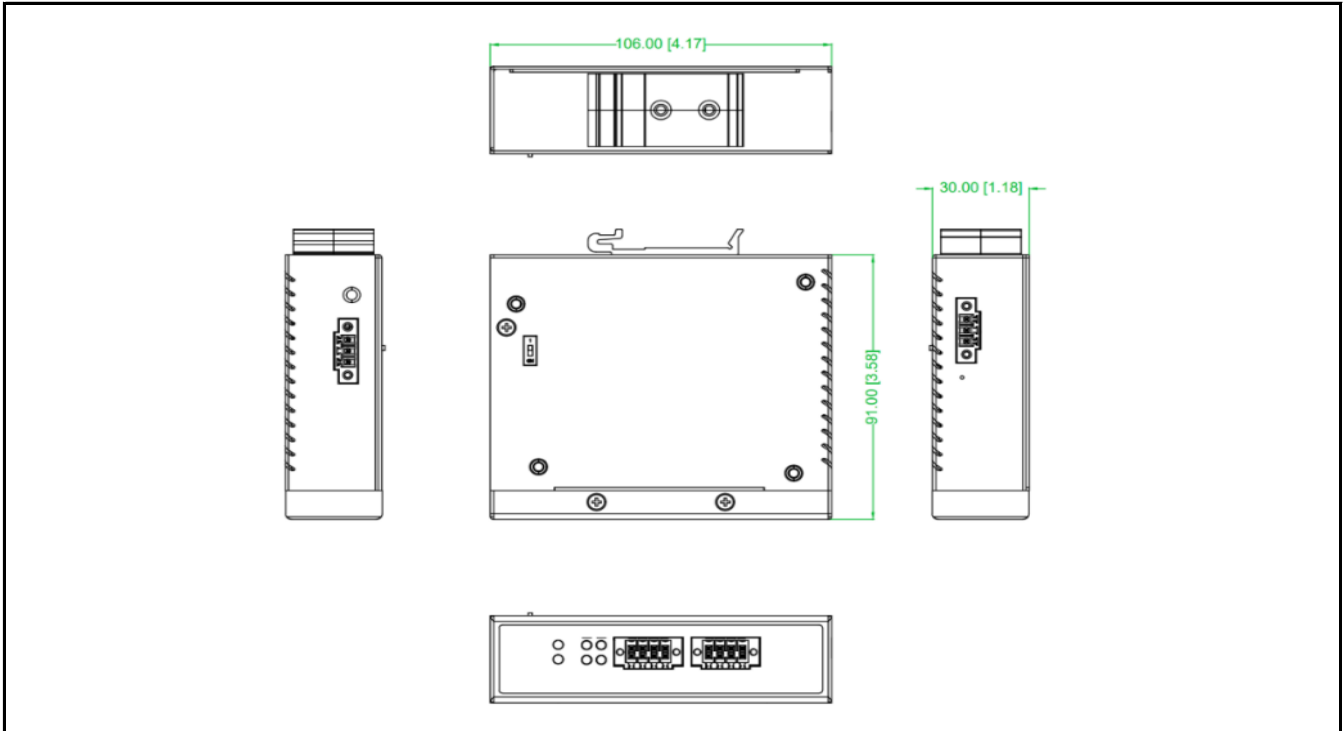
Digital Output	
Number of Channels	4
Output types	P-switching
Output Filter	Output delay adjustable from 0 to 10s: no delay, 500 ms, 1s, 2s, 5s, 10s
Max. output current	0.5 A
Switching frequency	Ohmic load (min.47 RΩ): 1 kHz @24 VDC Inductive load: 0.2 Hz without free-wheeling diode 1 kHz with suitable free-wheeling diode Lamp load (12 W): 1 kHz
Actuator connection	2-wire, with external DO power supply
DO external power supply	Rated voltage: 24 VDC Range: 9.6 ~ 31.2 VDC
Reverse polarity protection	Yes
Short-circuit proof	Yes
Individual channel diagnostic	Yes
Safe Value	Yes, Programmable
LED	
LED	1 x for Power 1 x for Serial port 4 x for Digital Output
Environmental and Mechanical	
Dimension	160 x 106 x 27 mm (6.3" x 4.18" x 1.07")
Weight	< 0.45 kg
Mouting/Installation	Din Rail
Operating Temperature	-20 ~ 70 °C (-4 ~ 158 °F)
Storage Temperature	-40 ~ 85 °C (-40 ~ 176 °F)
Operating Humidity	5% ~ 95% relative humidity, non-condensing
Power Supply	
Power Requirement	12/24 VDC
Power Consumption	12V/2.29W, 24V/3.14W, Normal used
MTBF (Hours)	--

Analog Input	
Connctor	Terminal Block
Numbers of Channels	Max. 4 channels (Differential)
Voltage Input	±1 V, ±5 V, ±10 V, ±100 mV, ±500 mV
Current Input	±20 mA, 0 ~ 20 mA, 4 ~ 20 mA
TC Sensor Input	J, K, T, E, R, S, B, N
RTD Sensor Types	Platinum 100, α= 0.00385 (IEC), -200 ~ 600 °C Platinum 100, α= 0.00392 (JIS), -200 ~ 600 °C Platinum 1000, α= 0.00385 (IEC), -200 ~ 600 °C
Resolution	16 bit
Sampling Rates	8 Hz
Accuracy	+/- 0.1% of FSR
Disconnection Detection	4 ~ 20 mA, all T/C, all RTD
Channel Independent Configuration	Yes
Input Impedance	Voltage: > 100 KΩ Current: 120 Ω
Overvoltage Protection	--
Overcurrent Protection	--
Serial Port	
Connector	Terminal Block (via x pins)
Ports/Channels	1
Serial Standards	4W RS-485, 2W RS-485 (software selectable)
RS-485	4 wire: Tx-, Tx+, Rx-, Rx+ 2 wire: Data-, Data+
Baud Rate	1,200 ~ 115,200 bps
Format	(N, 8, 1), (N, 8, 2), (O, 8, 1), (E, 8, 1)
Pull High/Low Resistor for RS-485	1 kilo-ohm, 150 kilo-ohm

Certification		Terminator for RS-485	120 ohms
Regulations	CE, FCC	Protocol	DCON, Modbus/RTU, Modbus/ASCII
Carrier	Planning	Isolation	2 KV

Dimension

Unit: mm / inch



Ordering Information

Packing List

4 x Terminal Block

Part Number

SCI-RM44-A10-0000 Remote control I/O, 4 x DO, 4 x AI, 1 x Serial