



Main

Range of product	Modicon Momentum automation platform
Product or component type	Analogue input base
Analogue input number	4
Analogue input type	Differential
Analogue input range	+/- 25 mV 15 bits + sign > 10000 kOhm +/- 100 mV 15 bits + sign > 10000 kOhm
Thermocouple type	Thermocouple B Thermocouple E Thermocouple J Thermocouple K Thermocouple N Thermocouple R Thermocouple S Thermocouple T

Complementary

Data format	Full 16 bits signed
Absolute accuracy error	+/- 94 μ V 60 °C +/- 100 mV +/- 46 μ V 60 °C +/- 25 mV +/- 27 μ V 25 °C +/- 100 mV +/- 21 μ V 25 °C +/- 25 mV
Temperature probe type	Pt 1000 0.125 mA +/- 100 mV Pt 100 0.125 mA +/- 25 mV Ni 1000 0.125 mA +/- 100 mV Ni 100 0.125 mA +/- 25 mV
Update time	500 ms
Isolation between channels	400 V DC
Isolation between channels and ground	500 V AC for 1 minute
Isolation between supply and ground	500 V for 1 minute
Permissible common mode voltage	250 V AC single phase between channels 250 V AC between channels to ground 200 V DC between channels 115 V AC single or three phases between channels 100 V DC between channels to ground
Common mode rejection	155 dB 60 Hz AC between channels to ground 145 dB 50 Hz AC between channels to ground 140 dB 60 Hz AC between channels 135 dB DC between channels to ground 130 dB 50 Hz AC between channels 120 dB DC between channels
Serial mode rejection	45 dB 60 Hz AC 35 dB 50 Hz AC
External power requirement	+/- 30 V DC
Power dissipation in W	<= 5.5 W
Reverse polarity protection	Internal
Protection type	Internal 2 A slow-blow
Associated fuse rating	500 mA fast blow
Marking	CE
Local signalling	4 LEDs channel status
Electrical connection	2 connectors for removable terminal blocks
Current consumption	305 mA 24 V DC
Depth	47.5 mm
Height	125 mm

Width	141.5 mm
Product weight	0.215 kg

Environment

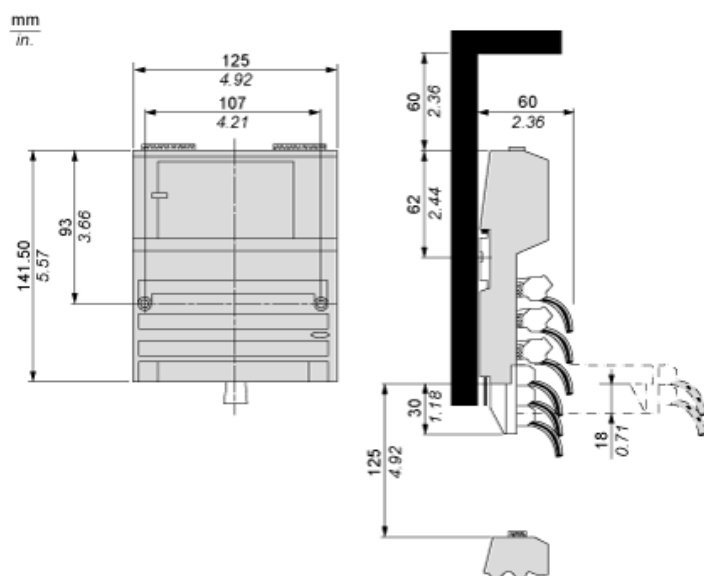
Product certifications	CSA FM Class 1 Division 2 UL
Protective treatment	TC
Resistance to electrostatic discharge	8 kV on air IEC 801-2 4 kV contact IEC 801-2
Resistance to electromagnetic fields	10 V/m 80...1000 MHz IEC 801-3
Ambient air temperature for operation	0...60 °C
Ambient air temperature for storage	-40...85 °C
Relative humidity	95 % without condensation
Operating altitude	<= 5000 m

Offer Sustainability

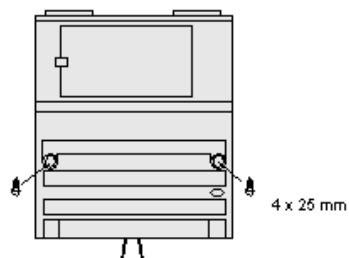
Sustainable offer status	Not Green Premium product
RoHS (date code: YYWW)	Will be Compliant on 4Q2013

Standard Adapter on a Typical Base

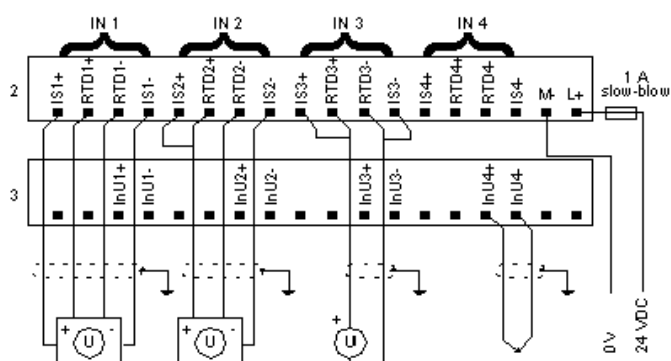
Dimensions



Mounting on a Wall



External Wiring Diagram



Examples

- * Channel 1, RTD input, 4-wire configuration
- * Channel 2, RTD input, 3-wire configuration
- * Channel 3, RTD input, 2-wire configuration
- * Channel 4, thermocouple input

Internal Pin Connections

