

Product data sheet

Specifications



Expansion module, Modicon M171/ M172/M173, performance 14 IO

TM171EP14R

Main

Range of product	Modicon M171/M172
Product or component type	Additional I/O module
Product specific application	HVAC and pumping solution
Total inputs/outputs	14
Discrete input number	4
Discrete output number	1 for relay outputs SPDT with independent common 3 for relay outputs SPST with same common
Discrete output current	3 A for relay
Analogue input number	4 configurable by pair
Analogue output number	2 voltage, range: 0...10 V

Complementary

Number of port	1 CAN port - screw terminal block
Input/output number	2 analog output(s) 4 digital output(s) 4 analog input(s) 4 digital input(s)
Discrete input logic	Sink or source (positive/negative)
Discrete input voltage	24 V AC/DC
Discrete input current	2.5 mA
Input impedance	20 kOhm
Analogue input type	voltage 0...5 V (ratiometric) current 4...20 mA voltage 0...10 V NTC temperature probe - 50...110 °C - resolution: 0.1 °C NTC temperature probe - 40...137 °C - resolution: 0.1 °C (extended) PTC temperature probe - 50...150 °C - resolution: 0.1 °C
Sensor power supply	12 V DC at 85 mA
[Us] rated supply voltage	24 V

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	13.000 cm
Package 1 Width	9.100 cm
Package 1 Length	19.000 cm

Package 1 Weight	231.000 g
Unit Type of Package 2	S02
Number of Units in Package 2	6
Package 2 Height	15.000 cm
Package 2 Width	30.000 cm
Package 2 Length	40.000 cm
Package 2 Weight	1.700 kg



Environmental Data

Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing “Use Better, Use Longer, Use Again” campaign to extend product lifetimes and recyclability.

[Environmental Data explained >](#)

[How we assess product sustainability >](#)

Environmental footprint

Total lifecycle Carbon footprint 266

Environmental Disclosure [Product Environmental Profile](#)

Use Better

Materials and Substances

Packaging made with recycled cardboard Yes

Packaging without single use plastic Yes

[EU RoHS Directive](#) Pro-active compliance (Product out of EU RoHS legal scope)

SCIP Number Bde379f2-8206-46ee-ae0c-0dd861febcb84

REACH Regulation [REACH Declaration](#)

California proposition 65 **WARNING:** This product can expose you to chemicals including: Lead and lead compounds, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov

Use Again

Repack and remanufacture

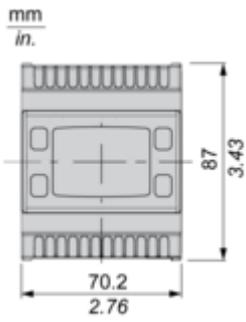
End of life manual availability [End of Life Information](#)

Take-back No

WEEE Label  The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins

Dimensions Drawings

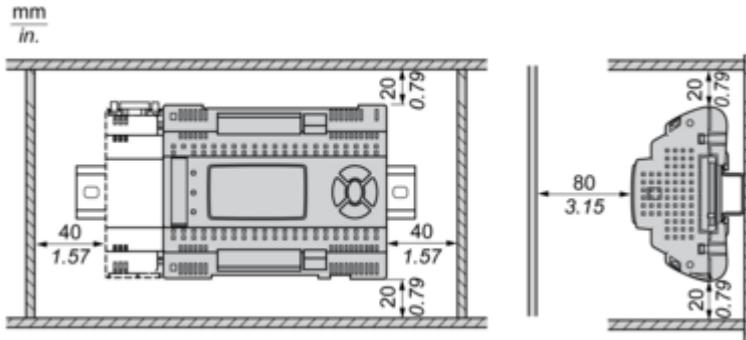
Dimensions



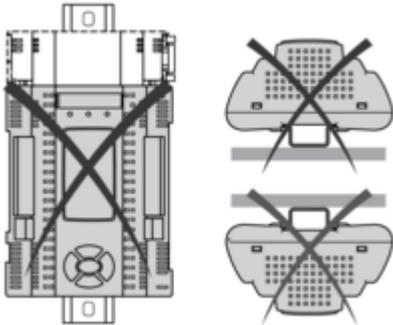
Mounting and Clearance

Mounting and Clearance

Clearance

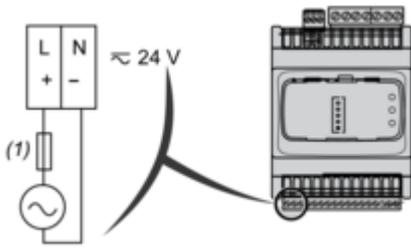


Misplacement



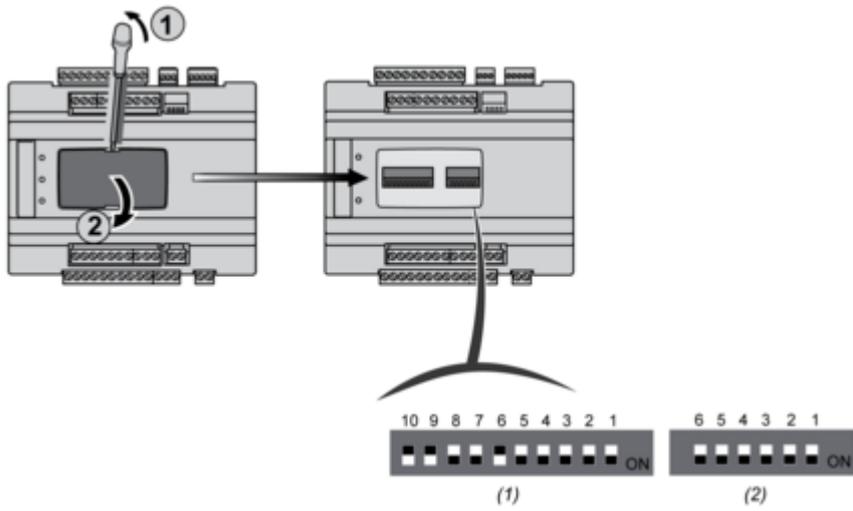
Connections and Schema

Power Supply



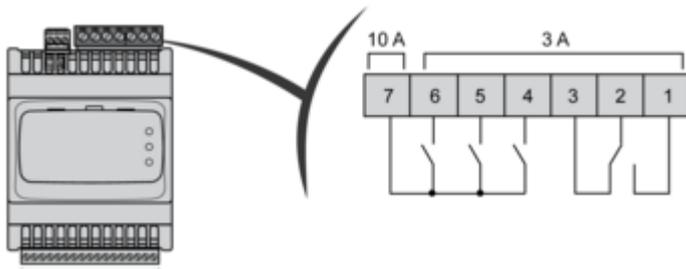
(1) Type T fuse 1.25 A

6 - 10 DipSwitches



- (1) 10 DIP SWITCH
- (2) 6 DIP SWITCH

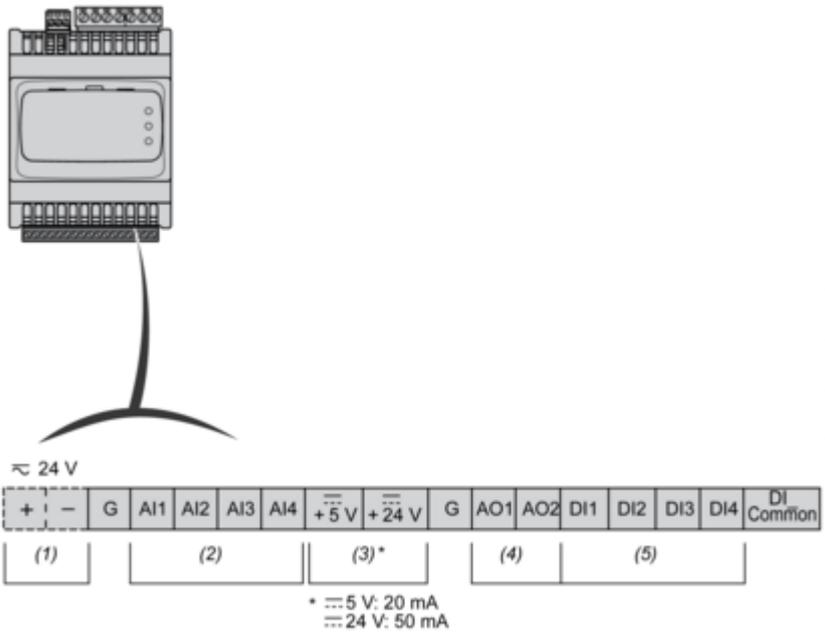
Digital Outputs



N°	Pin -out
1	DO1-N.O.
2	COMMON DO1
3	DO1-N.C.
4	DO2-N.O.
5	DO3-N.O.
6	DO4-N.O.
7	Common DO2, DO3,DO4

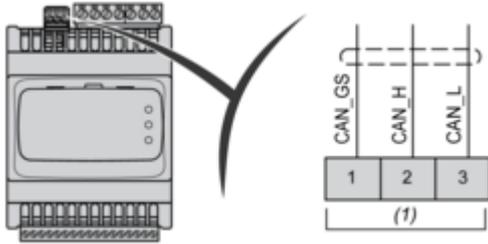
N.C.: Normally Closed
 N.O.: Normally Open

Low Voltage I/O



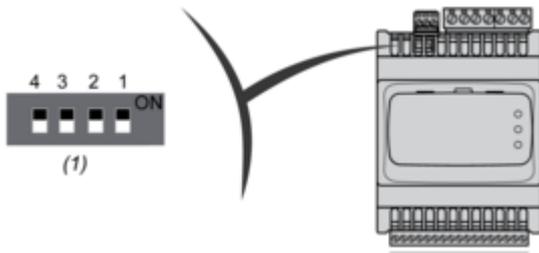
- (1) Power Supply
- (2) Analog Input
- (3) Power Out
- (4) Analog Output
- (5) Digital Input

Expansion Bus (CAN)



(1) CAN

4 DipSwitches



(1) LOW Address