

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: 010 V |

Complementary

| Number of port | 1 CAN port - screw terminal block | |
|---------------------------|--|--|
| Input/output number | 2 analog output(s) | |
| | 4 digital output(s) | |
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| 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 05 V (ratiometric) | |
| | current 420 mA | |
| | voltage 010 V | |
| | NTC temperature probe - 50110 °C - resolution: 0.1 °C | |
| | NTC temperature probe - 40137 °C - resolution: 0.1 °C (extended) | |
| | PTC temperature probe - 50150 °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 |



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 | |
|---|-------------------------------|
| Carbon footprint (kg.eq.CO2 per CR, Total Life cycle) | 266 |
| Environmental Disclosure | Product Environmental Profile |

Use Better

| 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-0dd861febc84 |
| REACh Regulation | REACh Declaration |

Use Again

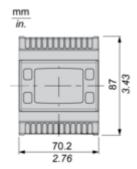
| ○ Repack and remanufacture | |
|----------------------------|---|
| Circularity Profile | End of Life Information |
| Take-back | No |
| WEEE | The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins |

Product datasheet

TM171EP14R

Dimensions Drawings

Dimensions

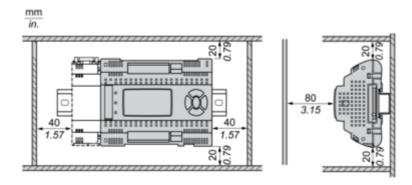


TM171EP14R

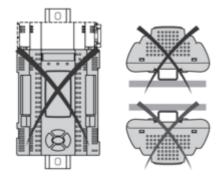
Mounting and Clearance

Mounting and Clearance

Clearance

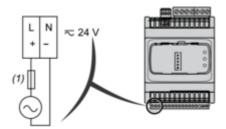


Misplacement



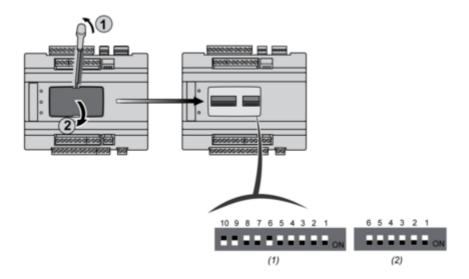
Connections and Schema

Power Supply



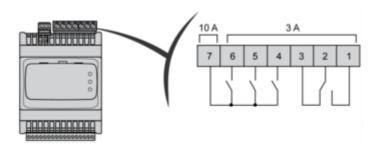
(1) Type T fuse 1.25 A

6 - 10 DipSwitches



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

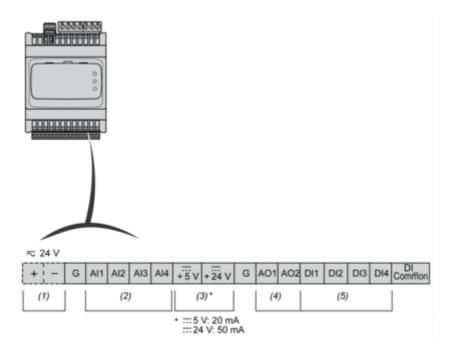
Digital Outputs



| 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 |

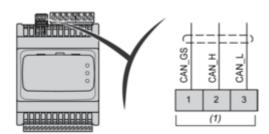
N.C.: Normally Closed N.O.: Normally Open

Low Voltage I/O



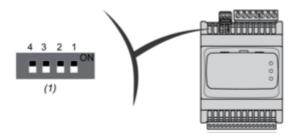
- (1) Power Supply
- (2) Analog Input
- (3) Power Out
- (4) Analog Output
- (5) Digital Input

Expansion Bus (CAN)



(1) CAN

4 DipSwitches



(1) LOW Address