

Product availability: Non-Stock - Not normally stocked in distribution facility



Main

| | |
|---------------------------|--------------|
| Range of product | Modicon M171 |
| Product or component type | Controller |

Complementary

| | |
|---------------------------|---|
| Input/output number | 1 analog input(s) 2 (total) 1 digital output(s) |
| Sensor power supply | 5 V DC |
| Discrete output number | 1 open collector |
| Analogue input number | 1 analog input NTC, range: 4...20 mA or 0...5 V or 0...10 V |
| [Us] rated supply voltage | 24 V AC/DC (+/- 10 %) |
| Display type | Without display |
| Mounting support | DIN rail |
| Width | 2.76 in (70.2 mm) |
| Height | 3.43 in (87 mm) |
| Depth | 2.43 in (61.6 mm) |


Environment

| | |
|---------------------------------------|--------------------------|
| Marking | CE |
| Ambient air temperature for operation | 23...122 °F (-5...50 °C) |
| IP degree of protection | IP20 |

Ordering and shipping details

| | |
|-----------------------|--------------------------------------|
| Category | 22537 - M171 / M172 HVAC CONTROLLERS |
| Discount Schedule | PC12 |
| GTIN | 003606480752889 |
| Nbr. of units in pkg. | 1 |
| Package weight(Lbs) | 0.5799999999999996 |
| Returnability | N |
| Country of origin | IT |

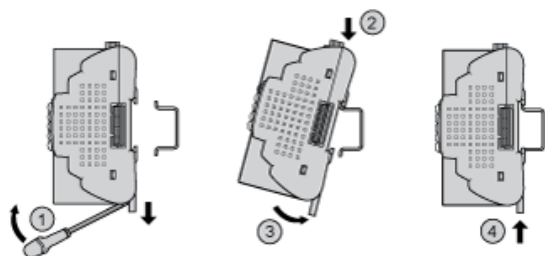
Offer Sustainability

| | |
|----------------------------------|--|
| Sustainable offer status | Green Premium product |
| RoHS (date code: YYWW) | Compliant - since 1429 - Schneider Electric declaration of conformity  Schneider Electric declaration of conformity |
| REACH | Reference not containing SVHC above the threshold |
| Product environmental profile | Available |
| Product end of life instructions | Available |

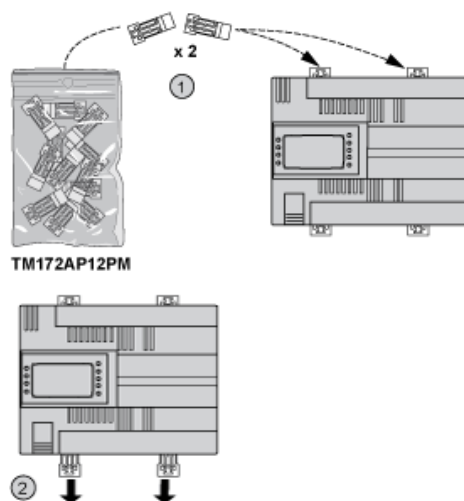
| | |
|----------------------------|---|
| California proposition 65 | WARNING: This product can expose you to chemicals including: |
| - - - - - Substance 1 | Lead and lead compounds which is known to the State of California to cause cancer and birth defects or other reproductive harm. |
| - - - - - More information | For more information go to www.p65warnings.ca.gov |

Mounting and Clearance

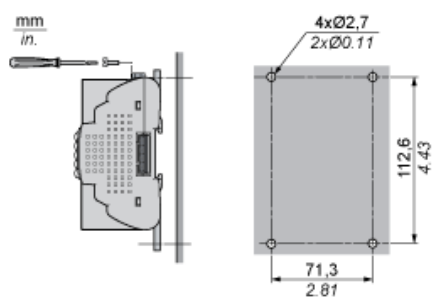
DIN Rail Mounting



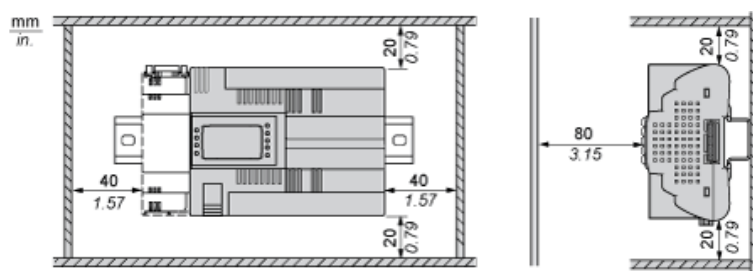
Clips for Panel Mounting



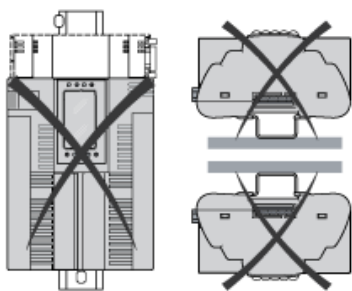
Panel Mounting



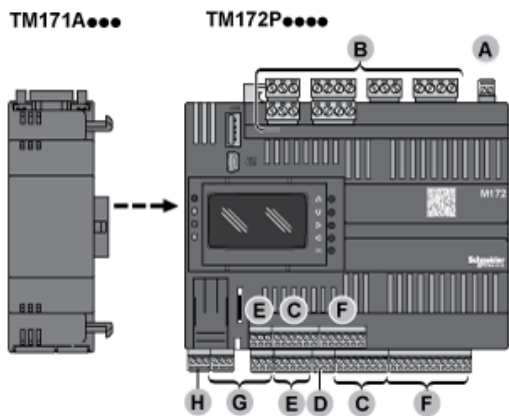
Clearance



Incorrect Mounting Position

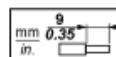












Assembling a Module



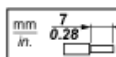








Wiring Sections and Torque



A, C, D, E, F, G, H

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---------|
|  |  |  |  |  |  |  |  |  | |
| mm in. | 0.35 0.0138 | 0.14...1.5 | 0.14...1.5 | 0.25...1.5 | 0.25...0.5 | 2 x 0.08...0.5 | 2 x 0.08...0.75 | 2 x 0.25...0.34 | 2 x 0.5 |
| mm ² | | 0.14...1.5 | 0.14...1.5 | 0.25...1.5 | 0.25...0.5 | 2 x 0.08...0.5 | 2 x 0.08...0.75 | 2 x 0.25...0.34 | 2 x 0.5 |
| AWG | | 26...16 | 26...16 | 22...16 | 22...20 | 2 x 28...20 | 2 x 28...20 | 2 x 24...22 | 2 x 20 |

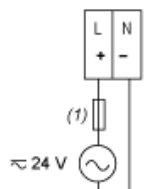
| | | | |
|---|---|-------|-------------|
|  |  | N·m | 0.22...0.25 |
| Ø 2,5 mm (0.1 in.) | | lb-in | 1.95...2.21 |

B

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---------------|
|  |  |  |  |  |  |  |  |  | |
| mm in. | 0.28 0.011 | 0.2...2.5 | 0.2...2.5 | 0.25...2.5 | 0.25...2.5 | 2 x 0.2...1 | 2 x 0.2...1.5 | 2 x 0.25...1 | 2 x 0.5...1.5 |
| mm ² | | 0.2...2.5 | 0.2...2.5 | 0.25...2.5 | 0.25...2.5 | 2 x 0.2...1 | 2 x 0.2...1.5 | 2 x 0.25...1 | 2 x 0.5...1.5 |
| AWG | | 24...14 | 24...14 | 22...14 | 22...14 | 2 x 24...18 | 2 x 24...16 | 2 x 22...18 | 2 x 20...16 |

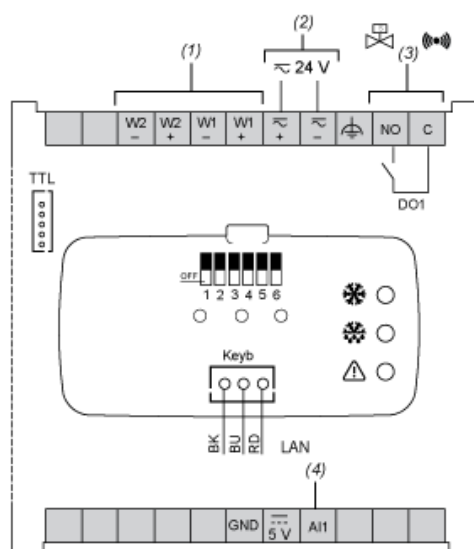
| | | | |
|---|---|-------|-------------|
|  |  | N·m | 0.5...0.6 |
| Ø 3,5 mm (0.14 in.) | | lb-in | 4.42...5.31 |

Power Supply



(1) Type T fuse 3,15 A

Wiring Diagram



- (1) Electronic Expansion Valve output
- (2) Power supply 24 V ac/dc
- (3) DO1: Relay output 5 A 250 Vac (Solenoid valve/Alarm)
C: Common - NO: Normally Open
- (4) Analog inputs
GND - Ground

Mouser Electronics

Authorized Distributor

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