Product datasheet
Characteristics

TM171VEVM4
EEV Driver, Autonomous & Modbus

Main

Range of product	Modicon M171
Product or component type	Controller

Complementary

Number of port	1 Modbus serial link - RS485
Input/output number	2 digital input(s) 4 analog input(s) 2 digital output(s) 8 (total)
Discrete input number	2
Discrete input logic	Sink or source (positive/negative)
Contacts usage	Volt-free contacts
Sensor power supply	5 V DC 12 V DC
Discrete output number	1 for open collector 1 SPST
Analogue input number	2 analog input NTC 2 analog input Pt 1000, 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	70.2 mm
Height	87 mm
Depth	61.6 mm

Environment

marking	CE
ambient air temperature for operation	-5...50 °C
IP degree of protection	IP20

Offer Sustainability

Sustainable offer status	Green Premium product
RoHS (date code: YYWW)	Compliant - since 1427 - Schneider Electric declaration of conformity
REACh	Reference not containing SVHC above the threshold
Product environmental profile	Available
Product end of life instructions	Available

Mounting and Clearance

DIN Rail Mounting

The information provided in this documentation contains general descriptions and/or technical characteristics of the performance of the products contained herein.
This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications.
It is the duty of any such user or integrator to perform the appropriate and complete risk analysis, evaluation and testing of the products with respect to the relevant specific application or use thereof.
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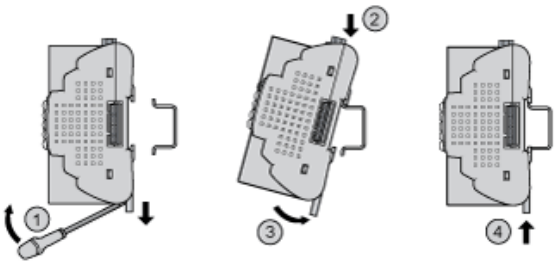
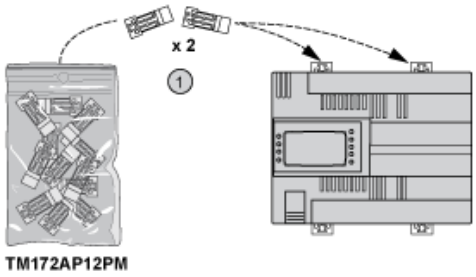
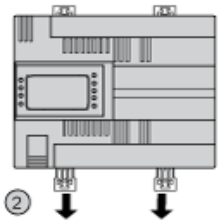


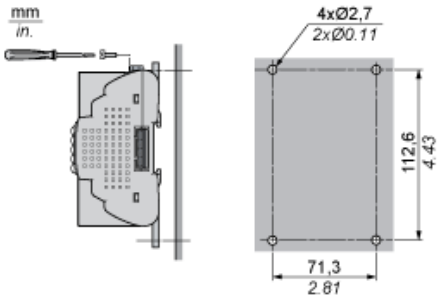
Clips for Panel Mounting



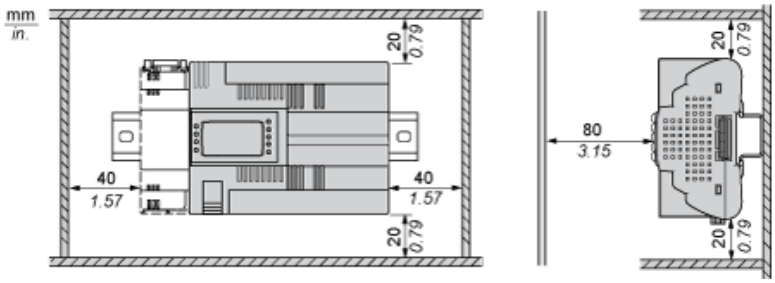
TM172AP12PM



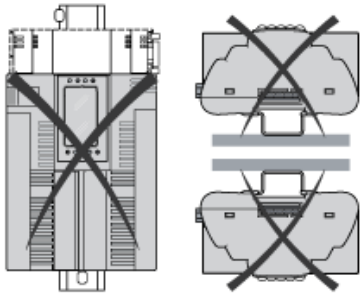
Panel Mounting



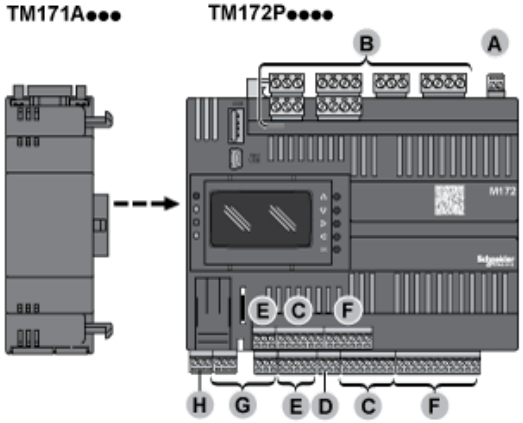
Clearance



Incorrect Mounting Position



Assembling a Module



Wiring Sections and Torque

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

mm / in. 9 / 0.35								
mm²	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

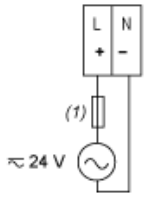
Ø 2,5 mm (0.1 in.)		N•m	0.22…0.25
		lb-in	1.95…2.21

B

mm / in. 7 / 0.28								
mm²	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

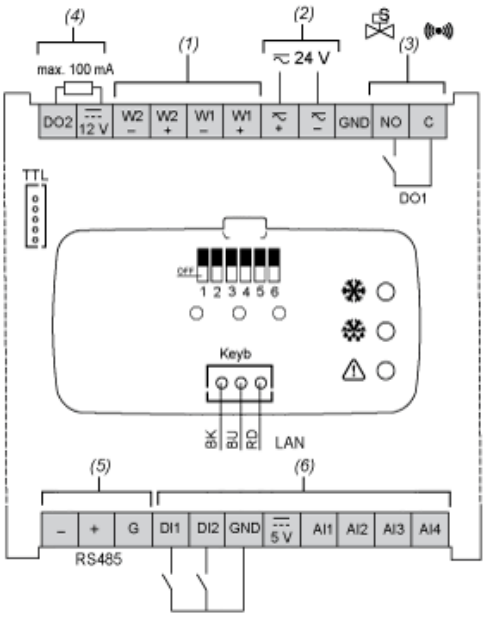
Ø 3,5 mm (0.14 in.)		N•m	0.5…0.6
		lb-in	4.42…5.31

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) DO2: Open collector (Solenoid valve/Alarm)

(5) Serial port RS485

(6) Digital and analog inputs
GND - Ground