

Product data sheet

Specifications



EEV Driver, Autonomous & Modbus

TM171VEVM4

Main

Range of product Modicon M171

Product or component type Controller

Complementary

Number of port 1 Modbus serial link - RS485

Input/output number 8 (total)
4 analog input(s)
2 digital input(s)
2 digital output(s)

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 +/- 10 % AC/DC

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

Packing Units

Unit Type of Package 1 PCE

Number of Units in Package 1 1

Package 1 Height 13.500 cm

Package 1 Width 9.100 cm

Disclaimer: 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

Package 1 Length	18.500 cm
Package 1 Weight	310.000 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	2.138 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

Environmental Disclosure

[Product Environmental Profile](#)

Use Better

Materials and Substances

Packaging made with recycled cardboard	Yes
Packaging without single use plastic	No
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope)
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

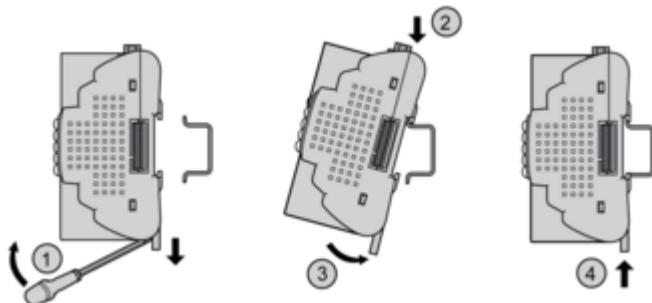
Repack and remanufacture

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

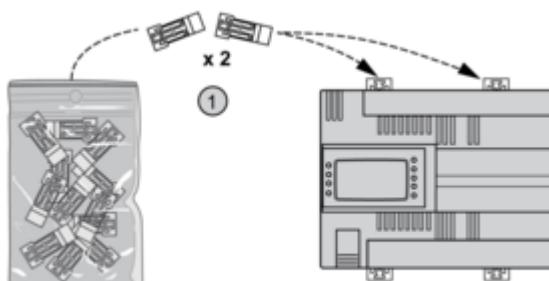
Mounting and Clearance

Mounting and Clearance

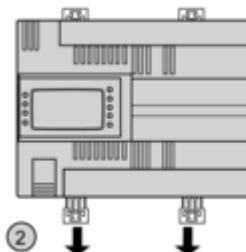
DIN Rail Mounting



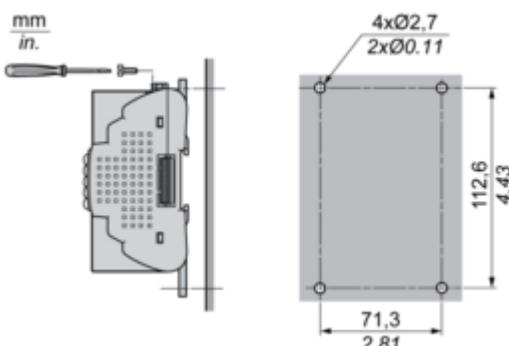
Clips for Panel Mounting



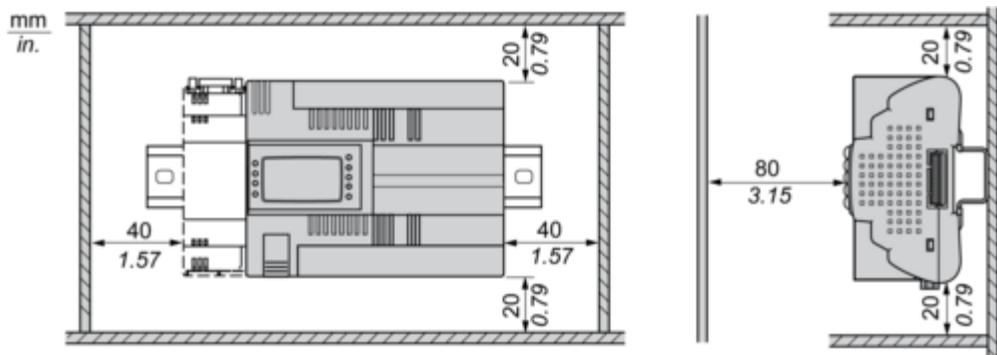
TM172AP12PM



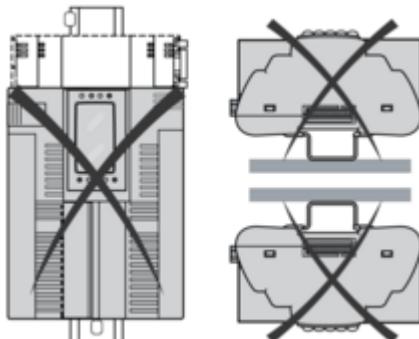
Panel Mounting



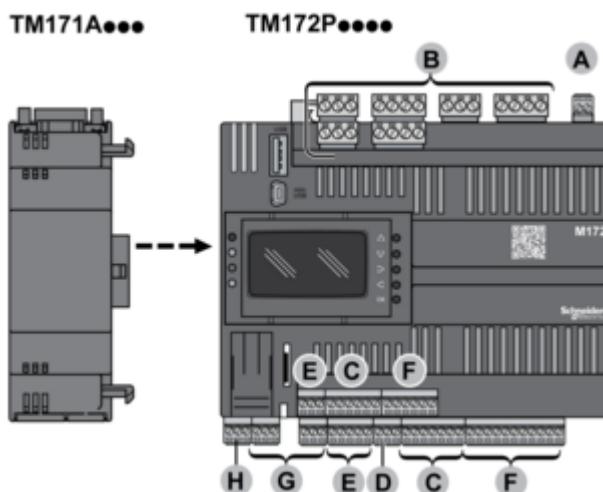
Clearance



Incorrect Mounting Position



Assembling a Module



Wiring Sections and Torque

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

mm in.	9 0.35	—	—	—	—	—	—	—
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 lb-in	0.22...0.25 1.95...2.21
Ø 2.5 mm (0.1 in.)	C			

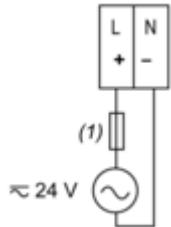
B

mm in.	7 0.28								
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	

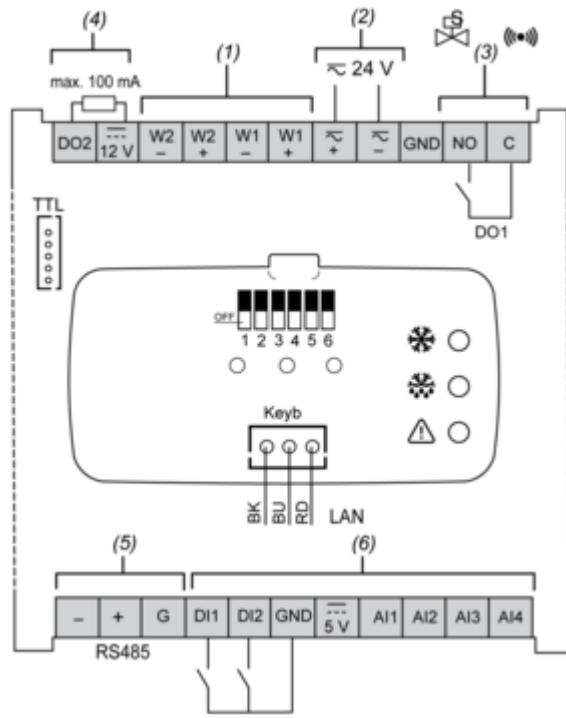
		N·m lb·in	0.5...0.6 4.42...5.31
Ø 3,5 mm (0.14 in.)	C		

Connections and Schema

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