

Product data sheet

Specifications



EEV Driver, Actuator

TM171VEVA2

⚠ Discontinued on: Dec 31, 2020

⚠ End-of-service on: Jun 30, 2021

⚠ Discontinued

Main

Range Of Product	Modicon M171
Product Or Component Type	Controller

Complementary

Input/Output Number	2 (total) 1 analog input(s) 1 digital output(s)
Sensor Power Supply	5 V DC
Discrete Output Number	1 for 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 +/- 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	9.1 cm
Package 1 Width	13 cm
Package 1 Length	18.5 cm
Package 1 Weight	280 g

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

Sustainability

Green Premium™ label is Schneider Electric’s commitment to delivering products with best-in-class environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO₂ products.

Guide to assessing product sustainability is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.

[Learn more about Green Premium >](#)

[Guide to assess a product’s sustainability >](#)



Transparency RoHS/REACH

Resource performance

✓ Upgradeable Through Digital Modules
And Upgraded Components

Well-being performance

✓ Mercury Free

✓ Rohs Exemption Information Yes

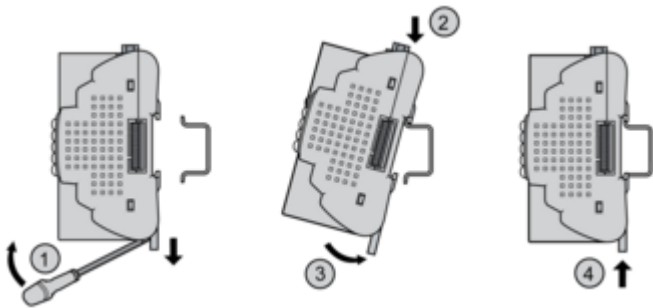
Certifications & Standards

Reach Regulation	REACH Declaration
Eu Rohs Directive	Pro-active compliance (Product out of EU RoHS legal scope)
China Rohs Regulation	China RoHS declaration
Environmental Disclosure	Product Environmental Profile
Weee	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins
Circularity Profile	End of Life Information
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

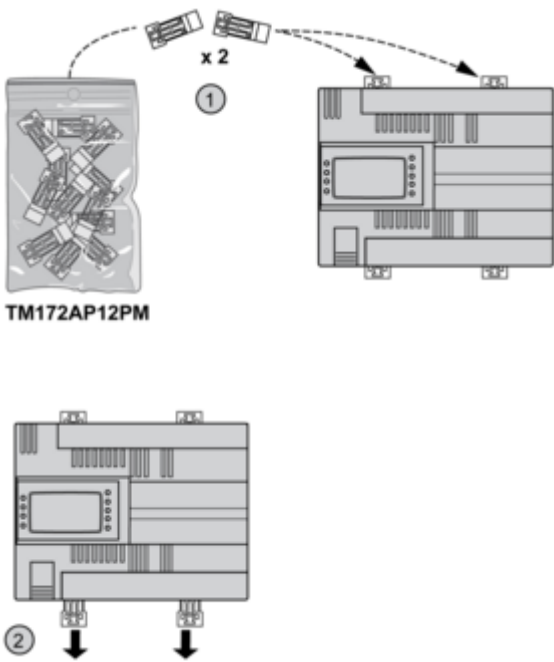
Mounting and Clearance

Mounting and Clearance

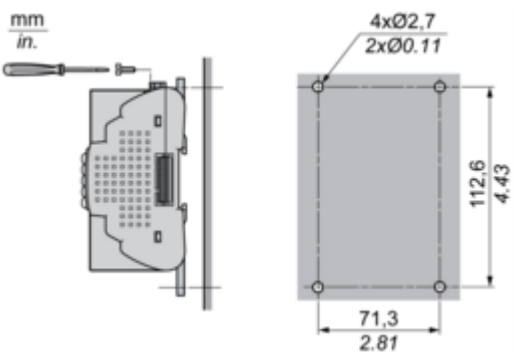
DIN Rail Mounting



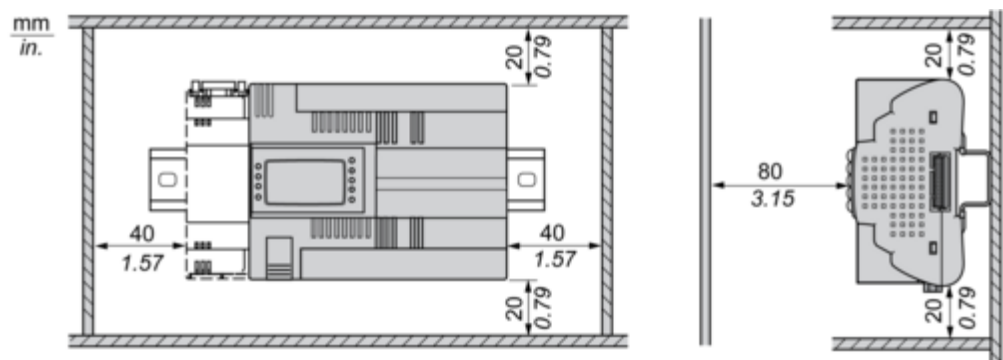
Clips for Panel Mounting



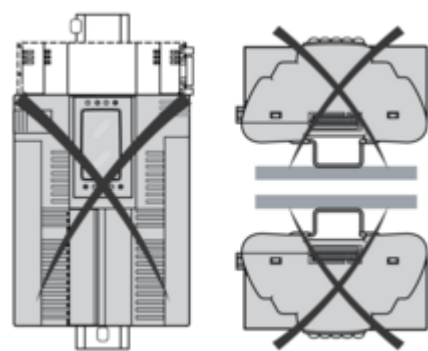
Panel Mounting



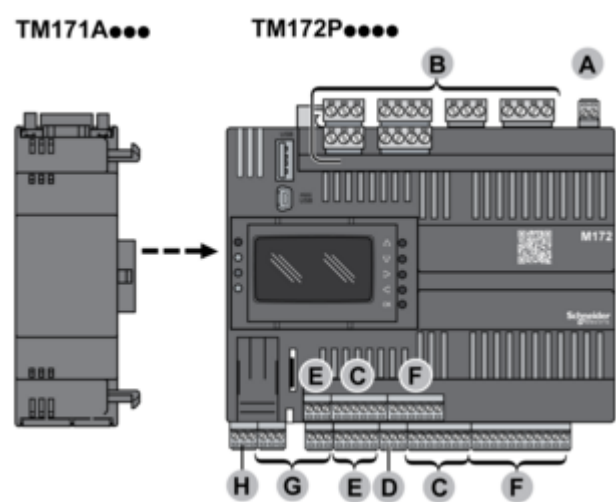
Clearance



Incorrect Mounting Position














Assembling a Module

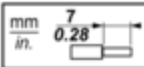












Wiring Sections and Torque

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

								
mm 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

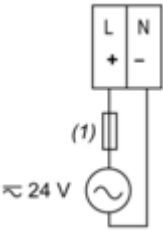
		N·m	0.22...0.25
Ø 2,5 mm (0.1 in.)		lb-in	1.95...2.21

								
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

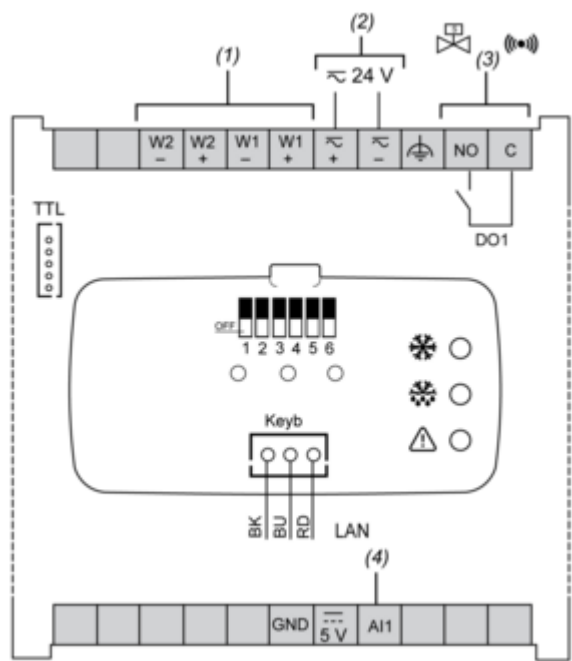
Connections and Schema

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)	Analog inputs GND - Ground