

Product datasheet

Specifications



EEV Driver, Autonomous & Hardwired

TM171VEVD4

 **Discontinued on:** 12 Feb 2021

 **Discontinued**

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	9.1 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 Width	13 cm
Package 1 Length	18.5 cm
Package 1 Weight	282.9 g

Contractual warranty

Warranty (in months)	18
----------------------	----



Environmental Data

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

Total lifecycle Carbon footprint	1 047 kg CO2 eq.
Environmental Disclosure	Product Environmental Profile
Carbon footprint of the manufacturing phase [A1 to A3]	10 kg CO2 eq.
Carbon footprint of the distribution phase [A4]	0.1 kg CO2 eq.
Carbon footprint of the installation phase [A5]	0 kg CO2 eq.
Carbon footprint of the use phase [B2, B3, B4, B6]	1 036 kg CO2 eq.
Carbon footprint of the end-of-life phase [C1 to C4]	0.5 kg CO2 eq.

Use Better



Materials and Substances

Packaging made with recycled cardboard	Yes
EU RoHS Directive	Compliant By Exemption
REACH Regulation	Reference contains Substances of Very High Concern above the threshold

Use Longer



Lifetime extension

Repair	No
Updatability	Yes

Use Again



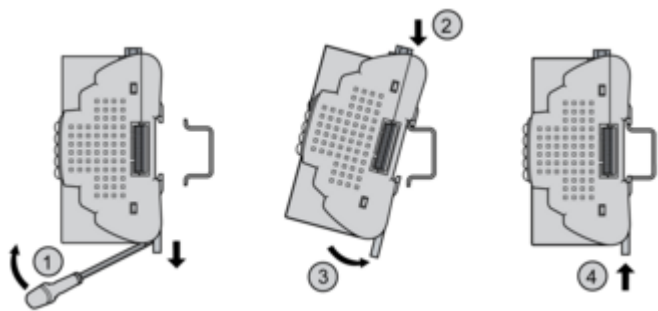
Repack and remanufacture

Recyclability potential, in %	0
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

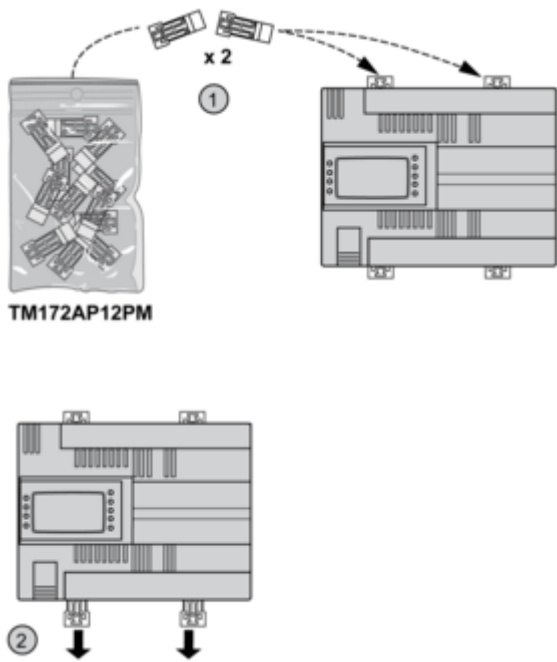
Mounting and Clearance

Mounting and Clearance

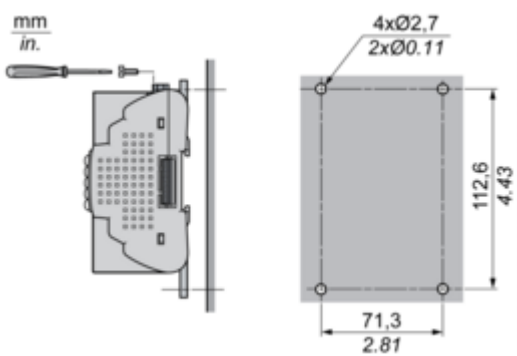
DIN Rail Mounting



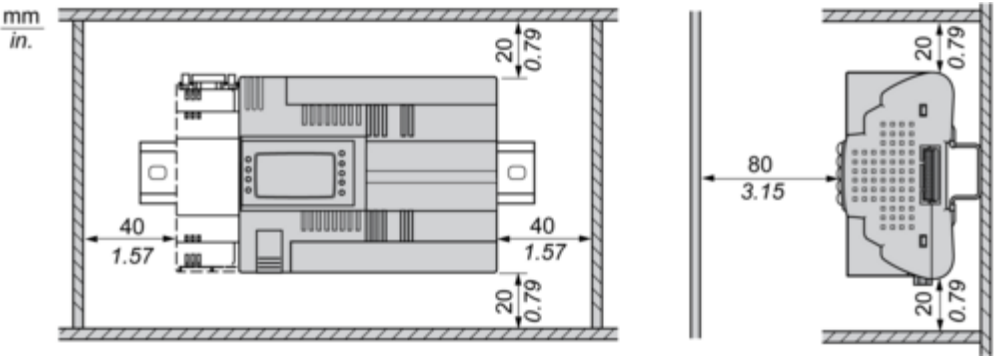
Clips for Panel Mounting



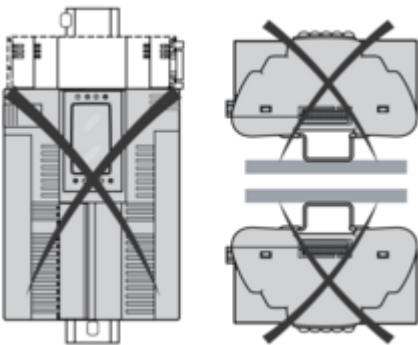
Panel Mounting



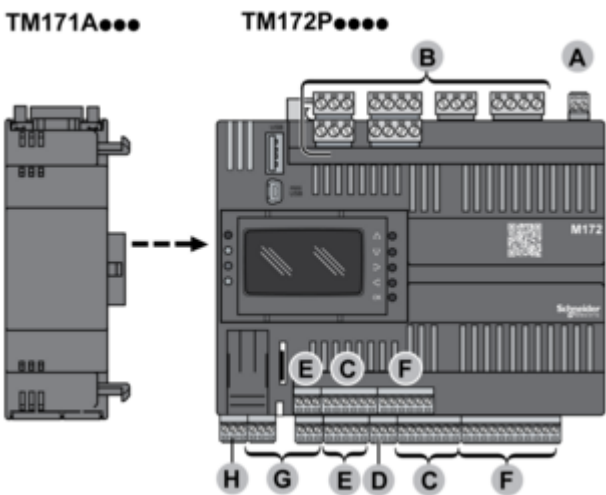
Clearance



Incorrect Mounting Position



Assembling a Module

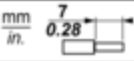


Wiring Sections and Torque

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

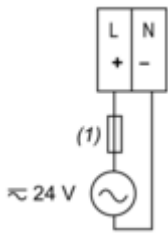
		N·m	0.22...0.25
Ø 2,5 mm (0.1 in.)		lb-in	1.95...2.21

								
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

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

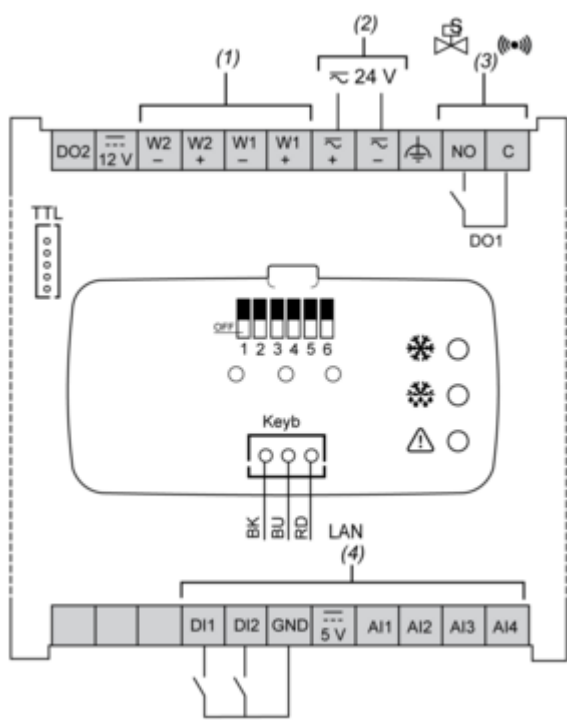
Connections and Schema

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