



EEV Driver, Actuator

TM171VEVA2

- ! Discontinued on: 31 Dec 2020
- ! End-of-service on: 30 June 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	per 1 analog input NTC, range: 420 mA or 05 V or 010 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	-550 °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

Sustainability Green Premium™

Green PremiumTM **label** is Schneider Electric's commitment to delivering products with best-inclass 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



Well-being performance



Mercury Free



Rohs Exemption Information

Yes

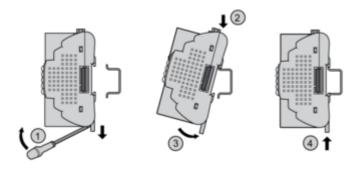
Certifications & Standards

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

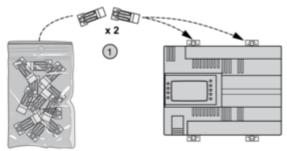
Mounting and Clearance

Mounting and Clearance

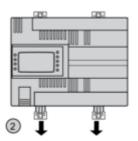
DIN Rail Mounting



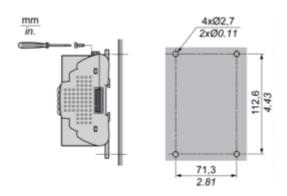
Clips for Panel Mounting



TM172AP12PM



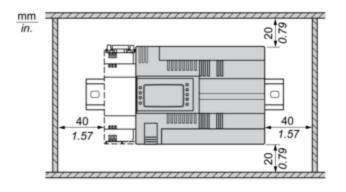
Panel Mounting

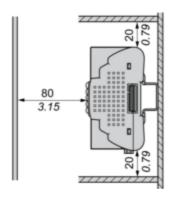


Clearance

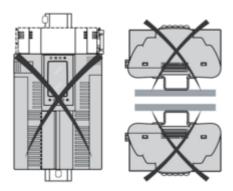
Product datasheet

TM171VEVA2

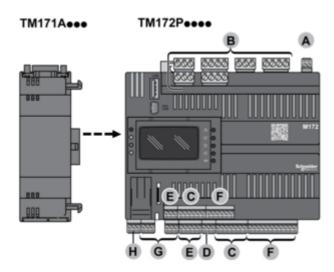




Incorrect Mounting Position



Assembling a Module



Wiring Sections and Torque

 $\mathsf{A},\,\mathsf{C},\,\mathsf{D},\,\mathsf{E},\,\mathsf{F},\,\mathsf{G},\,\mathsf{H}$

mm 0.35	-	\$			=======================================	33 11	8	
mm	0.141.5	0.141.5	0.251.5	0.250.5	2 x 0.080.5	2 x 0.080.75	2 x 0.250.34	2 x 0.5
AWG	2616	2616	2216	2220	2 x 2820	2 x 2820	2 x 2422	2 x 20

Ø 2,5 mm (0.1 in.)	0.0	N•m	0.220.25
Ø 2,5 mm (0.1 in.)	C.c.	lb-in	1.952.21

Product datasheet

TM171VEVA2

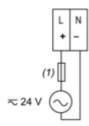
mm 7 in. 0.28				B	==	\$E		
mm ²	0.22.5	0.22.5	0.252.5	0.252.5	2 x 0.21	2 x 0.21.5	2 x 0.251	2 x 0.51.5
AWG	2414	2414	2214	2214	2 x 2418	2 x 2416	2 x 2218	2 x 2016

Ø 3,5 mm (0.14 in.)	0.0	N•m	0.50.6
Ø 3,5 mm (0.14 in.)	C.c.	lb-in	4.425.31

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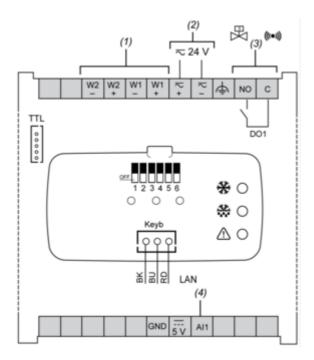
Connections and Schema

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