

Product data sheet

Specifications



Modicon M171 Optimized Display 14 I/Os, 100-240Vac

TM171OD14R

Product availability: Non-Stock - Not normally stocked in distribution facility

Main

Range of Product	Modicon M171/M172
Product or Component Type	Controller
Product Specific Application	HVAC and pumping solution
Variant	Programmable
Total inputs/outputs	14
Discrete input number	2
Discrete output number	3 relay outputs SPST with same common 1 relay outputs SPDT with same common
Discrete output current	2 A relay
Analogue input number	2 configurable 3 analog input NTC
Analogue output number	2 voltage 0...10 V 2 PWM/PPM 20 kHz, 12 V, 35 mA 1 current 0...20 mA/4...20 mA

Complementary

Number of port	1 LAN expansion bus
Input/output number	5 analog output 4 digital output 5 analog input
Discrete input logic	Sink or source (positive/negative)
Contacts usage	Volt-free contacts
Analogue input type	voltage 0...5 V ratiometric) voltage 0...10 V NTC temperature probe - 50...100 °C 0.1 °C Pt 1000 temperature probe - 50...400 °C 0.1 °C current 0...20 mA/4...20 mA voltage 0...1 V
Sensor power supply	12 V DC 85 mA
[Us] rated supply voltage	100...240 V
Width	2.8 in (70.2 mm)
Height	3.4 in (87 mm)
Depth	2.4 in (61.6 mm)
Net Weight	0.42 lb(US) (0.19 kg)

Ordering and shipping details

Category	US1PC1222537
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Price is "List Price" and may be subject to a trade discount – check with your local distributor or retailer for actual price.

Discount Schedule	PC12
GTIN	3606480752759
Returnability	No
Country of origin	IT

Packing Units

Unit Type of Package 1	PCE
Nbr. of units in pkg.	1
Package 1 Height	5.118 in (13.000 cm)
Package 1 Width	3.543 in (9.000 cm)
Package 1 Length	7.283 in (18.500 cm)
Package weight(Lbs)	10.159 oz (288.000 g)
Unit Type of Package 2	S02
Number of Units in Package 2	6
Package 2 Height	5.906 in (15.000 cm)
Package 2 Width	11.811 in (30.000 cm)
Package 2 Length	15.748 in (40.000 cm)
Package 2 Weight	4.453 lb(US) (2.020 kg)



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

Carbon footprint (kg CO2 eq, Total Life cycle) **182**

Environmental Disclosure [Product Environmental Profile](#)

Use Better

Materials and Substances

Packaging made with recycled cardboard **Yes**

Packaging without single use plastic **Yes**

[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

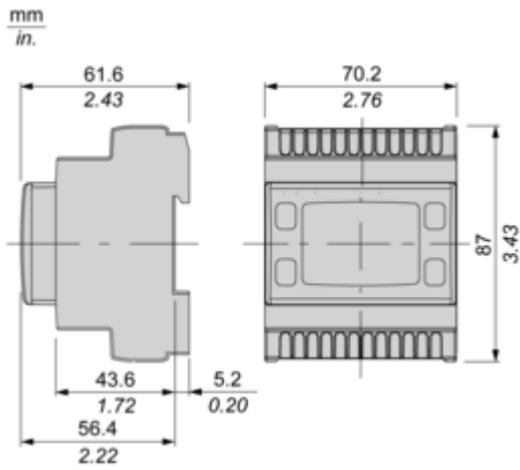
Circularity Profile [End of Life Information](#)

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.**

Dimensions Drawings

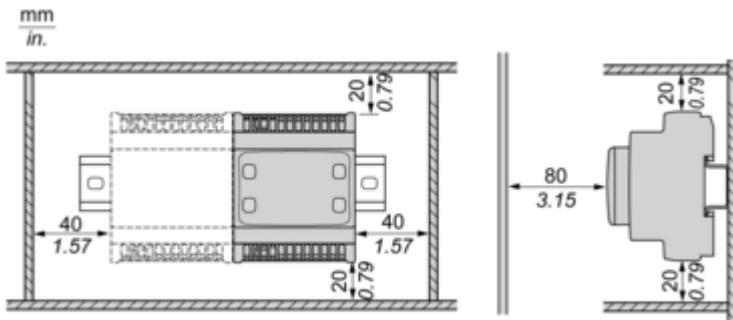
Dimensions



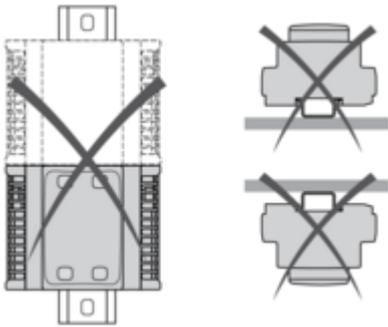
Mounting and Clearance

Mounting and Clearance

Clearance

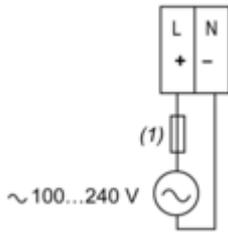


Misplacement



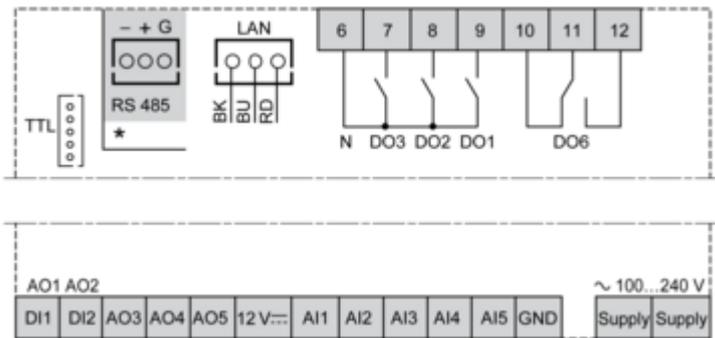
Connections and Schema

Power Supply



(1) Type T fuse 160 mA

Wiring Diagram



- N : Neutral
- GND : Ground
- BK : Black
- BU : Blue
- RD : Red
- AI : Analogue input
- AO : Analogue output
- DI : Digital input
- DO : Digital output