

Product data sheet

Specifications



Modicon M171 Optimized Flush mounting 22 I/Os

TM171OF22R

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	22
Discrete input number	6
Discrete output number	1 open collector 3 relay outputs SPST with same common 2 relay outputs SPST with independent common
Discrete output current	2 A relay
Analogue input number	2 configurable 3 analog input NTC
Analogue output number	3 voltage 0...10 V 2 PWM/PPM 20 kHz, 12 V, 35 mA

Complementary

Number of port	1 LAN expansion bus
Input/output number	5 analog output 6 digital input 5 analog input 6 digital output
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 current 0...20 mA/4...20 mA voltage 0...1 V
Sensor power supply	12 V DC 85 mA 5 V DC 20 mA
[Us] rated supply voltage	12...24 V +/- 20 % AC/DC 24 V +/- 20 % DC
Power consumption in W	18 W 24...48 V AC/DC
Realtime clock	Built-in clock at 14...131 °F (-10...55 °C)
Display type	Without Display
Overvoltage category	II
Local signalling	1 LED (red) for programmable 1 LED (yellow) for programmable 1 LED (green) for programmable

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

Mounting Support	DIN rail
Width	5.5 in (140 mm)
Height	4.3 in (110 mm)
Depth	2.4 in (61.6 mm)
Net Weight	0.849 lb(US) (0.385 kg)

Environment

Directives	86/188/EEC - physical agents (noise) directive 2006/95/EC - low voltage directive
Standards	EN/IEC 60730
Product Certifications	CE cURus CSA EAC
Ambient air temperature for operation	14...131 °F (-10...55 °C) UL 60730-1
Ambient Air Temperature for Storage	-40...185 °F (-40...85 °C)
Relative humidity	10...90 % non-condensing
IP degree of protection	IP20
Pollution degree	2

Ordering and shipping details

Category	US1PC1222537
Discount Schedule	PC12
GTIN	3606480752803
Returnability	Yes
Country of origin	IT

Packing Units

Unit Type of Package 1	PCE
Nbr. of units in pkg.	1
Package 1 Height	5.197 in (13.200 cm)
Package 1 Width	3.543 in (9.000 cm)
Package 1 Length	4.921 in (12.500 cm)
Package weight(Lbs)	7.972 oz (226.000 g)
Unit Type of Package 2	S02
Number of Units in Package 2	15
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	7.915 lb(US) (3.590 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 >](#)

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

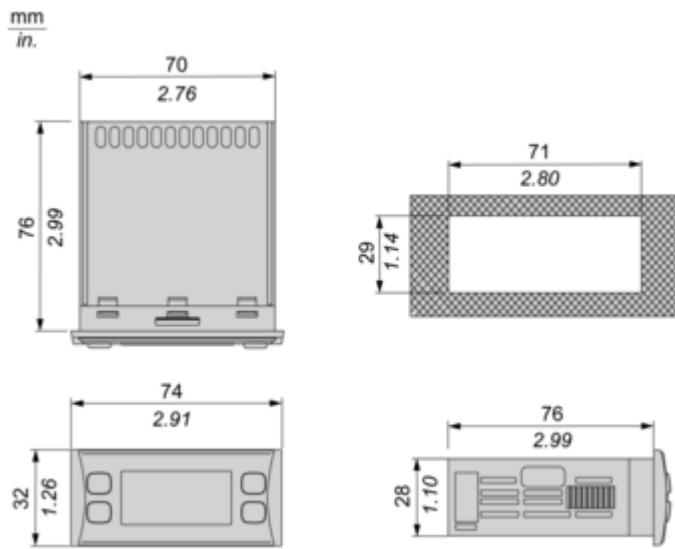
Use Again

Repack and remanufacture

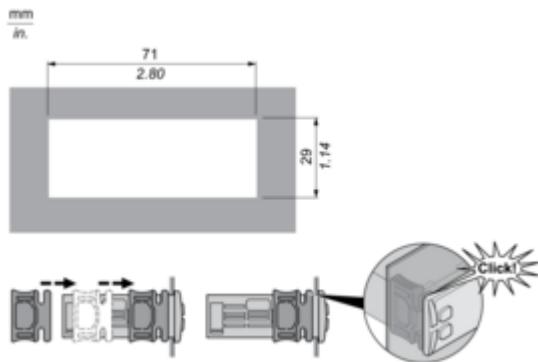
Take-back	No
WEEE Label	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins.

Dimensions Drawings

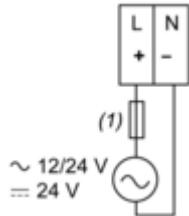
Dimensions



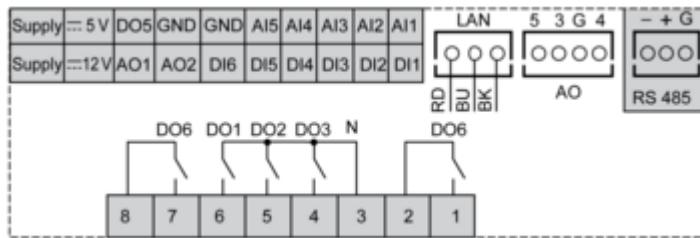
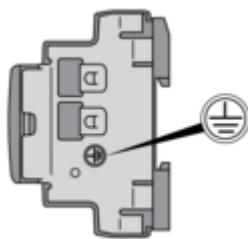
Mounting and Clearance

Mounting on Panel with the Special Brackets Provided

Connections and Schema**Power Supply**



(1) Type T fuse (Controller: 1.25 A , Expansion: 1 A)

Wiring Diagram

N : Neutral

GND : Ground

BK : Black

BU : Blue

RD : Red

AI : Analogue input

AO : Analogue output

DI : Digital input

DO : Digital output