Product datasheet

Specifications



Modicon M171 Optimized Flush mounting 22 I/Os

TM171OF22R

To be discontinued on: 24 Nov 2027

To be end-of-service on: 24 Nov 2028

Discontinued

EAN Code: 3606480752803

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

Complementary

Number of port	1 LAN expansion bus
Input/output number	5 analog output(s) 6 digital input(s) 5 analog input(s) 6 digital output(s)
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 - resolution: 0.1 °C current 0...20 mA/4...20 mA voltage 0...1 V
Sensor power supply	12 V DC at 85 mA 5 V DC at 20 mA
[Us] rated supply voltage	12...24 V +/- 20 % AC/DC 24 V +/- 20 % DC
Power consumption in W	18 W at 24...48 V AC/DC
Realtime clock	Built-in clock at -10…55 °C
Display type	Without display
Overvoltage category	II

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

Local signalling	1 LED (red) for programmable 1 LED (yellow) for programmable 1 LED (green) for programmable
Mounting support	DIN rail
Width	140 mm
Height	110 mm
Depth	61.6 mm
Net weight	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	-10…55 °C conforming to UL 60730-1
Ambient air temperature for storage	-40…85 °C
Relative humidity	10…90 % non-condensing
IP degree of protection	IP20
Pollution degree	2

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	13.200 cm
Package 1 Width	9.000 cm
Package 1 Length	12.500 cm
Package 1 Weight	226.000 g
Unit Type of Package 2	S02
Number of Units in Package 2	15
Package 2 Height	15.000 cm
Package 2 Width	30.000 cm
Package 2 Length	40.000 cm
Package 2 Weight	3.590 kg

Logistical informations

Country of origin	IT

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 >

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**

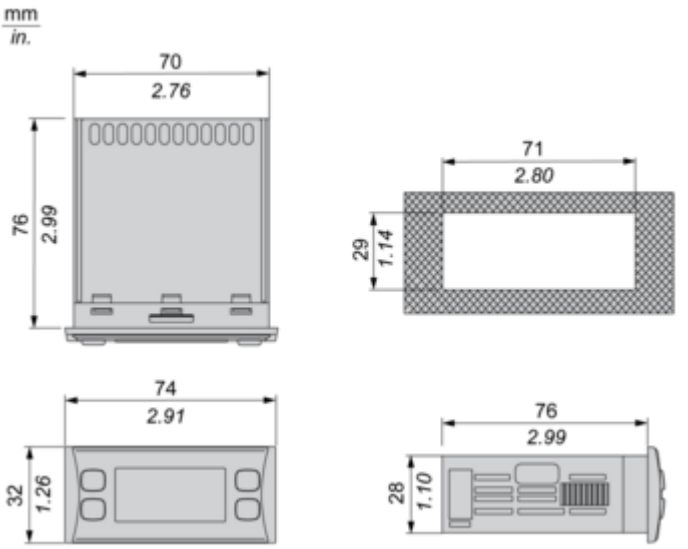
Use Again

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**

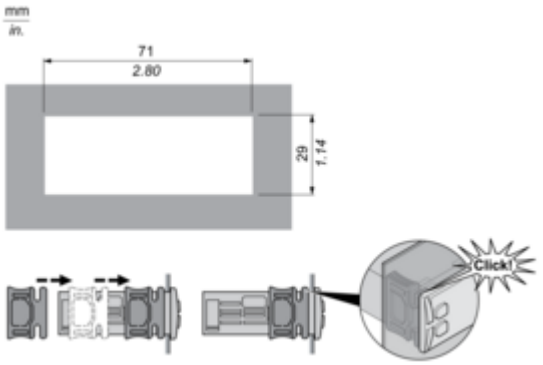
Dimensions Drawings

Dimensions



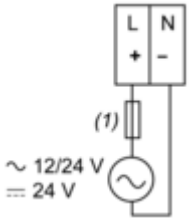
Mounting and Clearance

Mounting on Panel with the Special Brackets Provided



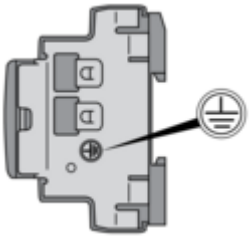
Connections and Schema

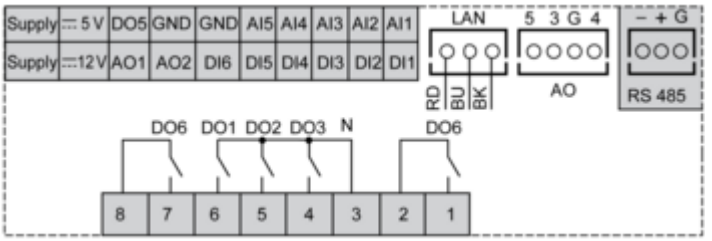
Power Supply



(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