



Main

Range of product	Modicon M171/M172
Product or component type	Controller
Product specific application	HVAC and pumping solution
Variant	Programmable
Number of 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	3 analog input NTC 2 configurable
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...10 V Current 0...20 mA/4...20 mA Voltage 0...1 V Voltage 0...5 V (ratiometric) NTC temperature probe - 50...100 °C - res.: 0.1 °C
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 realtime clock at -10...55 °C
Display type	Without display
Overvoltage category	II
Local signalling	1 LED red programmable 1 LED yellow programmable 1 LED green programmable
Mounting support	DIN rail
Width	140 mm
Height	110 mm
Depth	61.6 mm
Product weight	0.385 kg

Environment

directives	2006/95/EC - low voltage directive 86/188/EEC - physical agents (noise) directive 2011/65/EU - RoHS directive 1907/2006/EC - REACH directive
standards	EN/IEC 60730
product certifications	CE CSA

The information provided in this documentation contains general descriptions and/or technical characteristics of the performance of the products contained herein. 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. It is the duty of any such user or integrator to perform the appropriate and complete risk analysis, evaluation and testing of the products with respect to the relevant specific application or use thereof. Neither Schneider Electric Industries SAS nor any of its affiliates or subsidiaries shall be responsible or liable for misuse of the information contained herein.

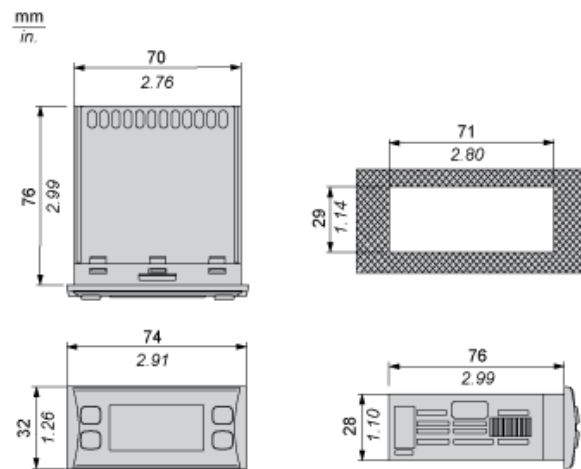
CURus
EAC

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

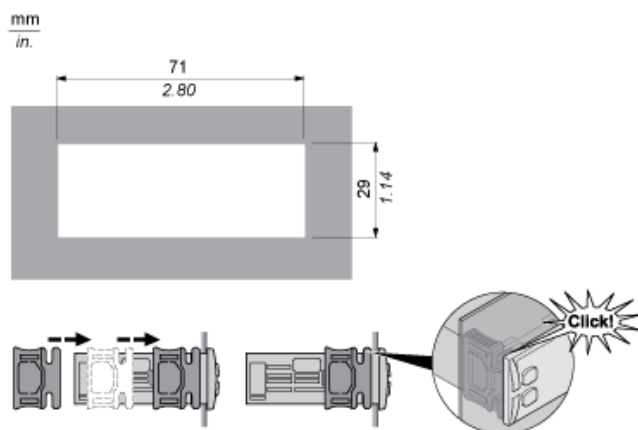
Offer Sustainability

Sustainable offer status	Not Green Premium product
RoHS (date code: YYWW)	Compliant - since 1429 - Schneider Electric declaration of conformity
REACH	Reference not containing SVHC above the threshold

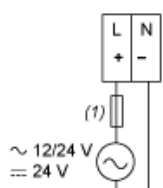
Dimensions



Mounting on Panel with the Special Brackets Provided

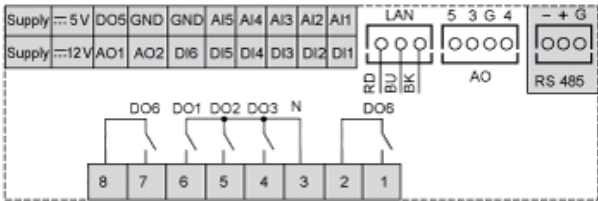
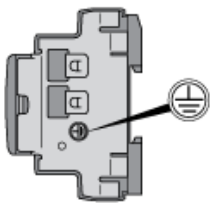


Power Supply



(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