



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	1 for relay outputs SPDT with independent common 3 for relay outputs SPST with same common
Discrete output current	2 A for relay
Analogue input number	2 configurable 3 analog input NTC
Analogue output number	2 voltage, range: 0...10 V 2 PWM/PPM, range: 20 kHz, 12 V, 35 mA 1 current, range: 0...20 mA/4...20 mA

Complementary

Number of port	1 LAN expansion bus 1 RS485 - screw terminal block (Modbus serial link)
Input/output number	5 analog output(s) 4 digital output(s) 5 analog input(s)
Discrete input logic	Sink or source (positive/negative)
Contacts usage	Volt-free contacts
Analogue input type	NTC temperature probe - 50...100 °C - resolution: 0.1 °C Pt 1000 temperature probe - 50...400 °C - resolution: 0.1 °C Current 0...20 mA/4...20 mA Voltage 0...1 V Voltage 0...10 V (ratiometric) Voltage 0...5 V
Sensor power supply	12 V DC at 85 mA
[Us] rated supply voltage	100...240 V
Width	70.2 mm
Height	87 mm
Depth	61.6 mm
Net weight	0.19 kg

Packing Units

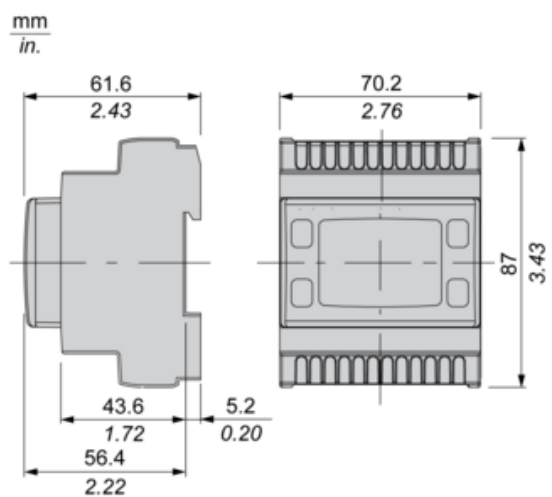
Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	13.200 cm
Package 1 Width	9.000 cm
Package 1 Length	18.500 cm
Package 1 Weight	280.000 g
Unit Type of Package 2	S02
Number of Units in Package 2	6
Package 2 Height	15.000 cm
Package 2 Width	30.000 cm

Package 2 Length	40.000 cm
Package 2 Weight	1.940 kg

Offer Sustainability

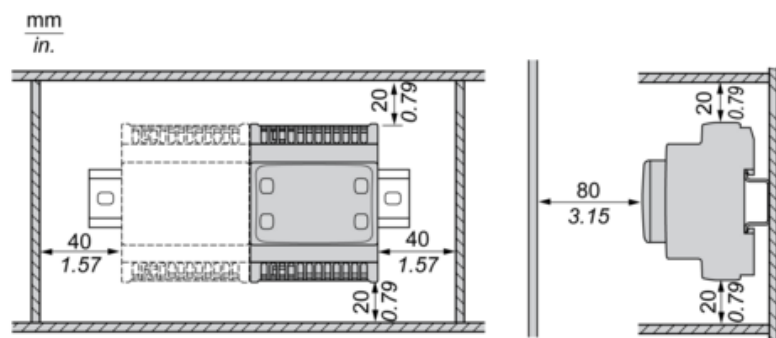
Sustainable offer status	Green Premium product
REACH Regulation	 REACH Declaration
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope)
Mercury free	Yes
China RoHS Regulation	 China RoHS Declaration
RoHS exemption information	 Yes
Environmental Disclosure	 Product Environmental Profile
Circularity Profile	 End Of Life Information
WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins
Upgradeability	Upgradeable through digital modules and upgraded components

Dimensions

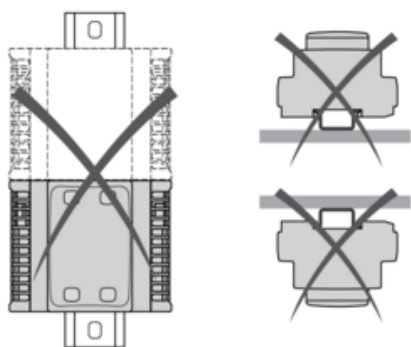


Mounting and Clearance

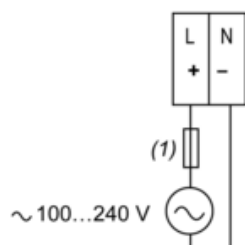
Clearance



Misplacement

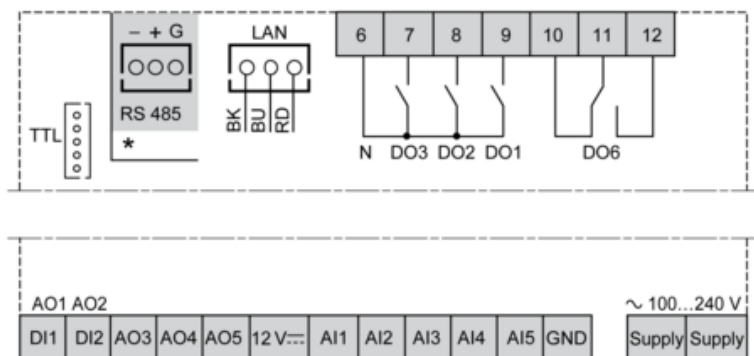


Power Supply



(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