



Main

Range of Product	Modicon M171/M172
Product or Component Type	Additional I/O module
Product Specific Application	HVAC and pumping solution
Total inputs/outputs	15
Discrete input number	6
Discrete output number	1 open collector 3 relay outputs SPST with same common
Discrete output current	2 A relay
Analogue input number	3 analog input NTC
Analogue output number	1 PWM/PPM 20 kHz, 12 V, 35 mA 2

Complementary

Number of port	1 LAN expansion bus
Input/output number	3 analog input 2 analog output 6 digital input 4 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
[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 14...131 °F (-10...55 °C)
Display type	Without Display
Overvoltage category	II
Local signalling	For programmable 1 LED (red) For programmable 1 LED (yellow) For programmable 1 LED (green)
Width	5.51 in (140 mm)
Height	4.33 in (110 mm)
Depth	2.43 in (61.6 mm)
Net Weight	0.85 lb(US) (0.385 kg)

Environment

Directives	2006/95/EC - low voltage directive 86/188/EEC - physical agents (noise) directive
Standards	IEC 60730
Product Certifications	cURus[RETURN]EAC[RETURN]CSA[RETURN]CE
Ambient air temperature for operation	14...131 °F (-10...55 °C) UL 60730-1
Ambient Air Temperature for Storage	-4...185 °F (-20...85 °C)
Relative humidity	10...90 % non-condensing
IP degree of protection	IP20
Pollution degree	2

Ordering and shipping details

Category	22537-M171 / M172 HVAC CONTROLLERS
Discount Schedule	PC12
GTIN	3606480752681
Returnability	No
Country of origin	IT

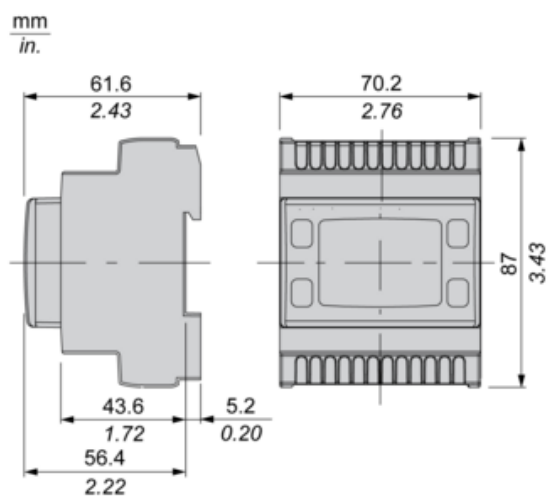
Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	5.12 in (13.0 cm)
Package 1 Width	3.58 in (9.1 cm)
Package 1 Length	7.28 in (18.5 cm)
Package 1 Weight	9.17 oz (260.0 g)
Unit Type of Package 2	S02
Number of Units in Package 2	6
Package 2 Height	5.91 in (15.0 cm)
Package 2 Width	11.81 in (30.0 cm)
Package 2 Length	15.75 in (40.0 cm)
Package 2 Weight	4.17 lb(US) (1.891 kg)

Offer Sustainability

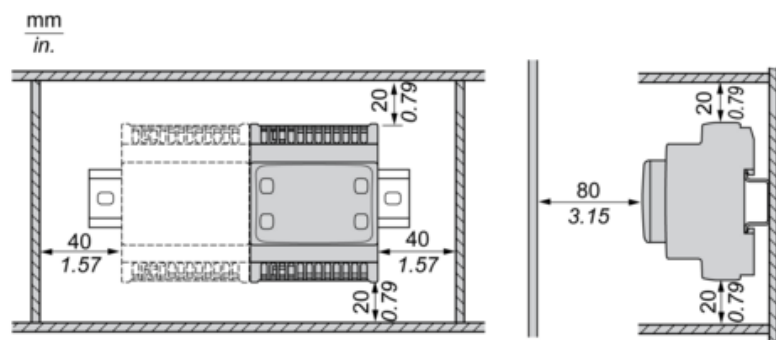
Sustainable offer status	Green Premium product
California proposition 65	WARNING: This product can expose you to chemicals including: Lead and lead compounds, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov
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

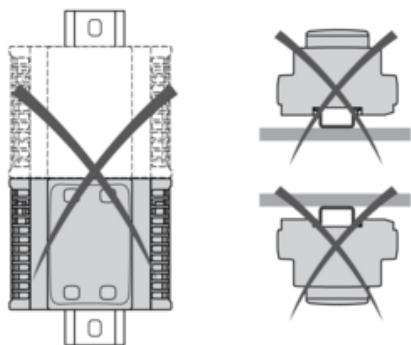


Mounting and Clearance

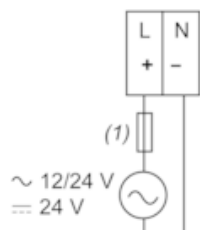
Clearance



Misplacement

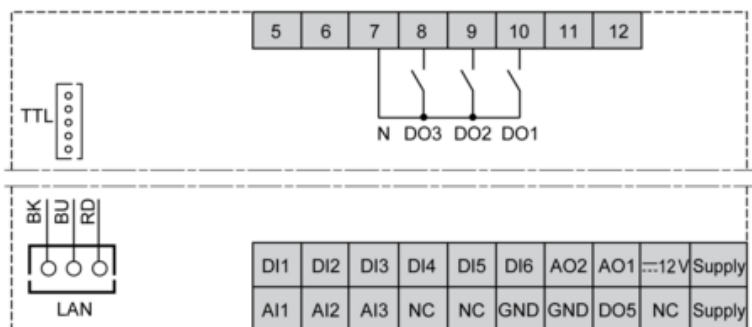
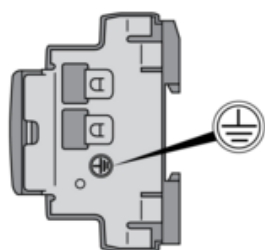


Power Supply



(1) Type T fuse (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

NC : No Connection