



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 relay outputs SPDT with independent common 3 relay outputs SPST with same common
Discrete output current	2 A relay
Analogue input number	2 configurable 3 analog input NTC
Analogue output number	2 voltage 0...10 V 2 PWM/PPM 20 kHz, 12 V, 35 mA 1 voltage/current 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 4 digital output 5 analog input
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 Pt 1000 temperature probe - 50...400 °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	100...240 V +/- 10 % AC
Realtime clock	Built-in -4...131 °F (-20...55 °C)
Display type	Four 7-segment display units
Overvoltage category	II
Local signalling	6 LEDs red) 5 LEDs green) Programmable 7 LEDs amber)
Mounting support	DIN rail
Maximum Width	2.76 in (70.2 mm)
Maximum Height	3.43 in (87 mm)
Maximum Depth	2.43 in (61.7 mm)
Net Weight	0.42 lb(US) (0.19 kg)

Environment

Directives	1907/2006/EC - REACH directive 86/188/EEC - physical agents (noise) directive 2011/65/EU - RoHS directive 2006/95/EC - low voltage directive
Standards	EN/IEC 60730
Product certifications	CE EAC CSA CURus
Ambient air temperature for operation	-4...131 °F (-20...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	22537 - M171 / M172 HVAC CONTROLLERS
Discount Schedule	PC12
GTIN	00785901706113
Nbr. of units in pkg.	1
Package weight(Lbs)	1 lb(US) (0.45 kg)
Returnability	No
Country of origin	IT

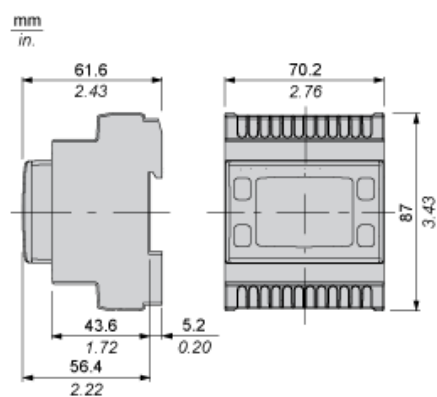
Packing Units

Unit Type of Package 1	PCE
Package 1 Height	5.20 in (13.2 cm)
Package 1 width	3.54 in (9 cm)
Package 1 Length	7.28 in (18.5 cm)
Unit Type of Package 2	S02
Number of Units in Package 2	6
Package 2 Weight	4.52 lb(US) (2.049 kg)
Package 2 Height	5.91 in (15 cm)
Package 2 width	11.81 in (30 cm)
Package 2 Length	15.75 in (40 cm)

Offer Sustainability

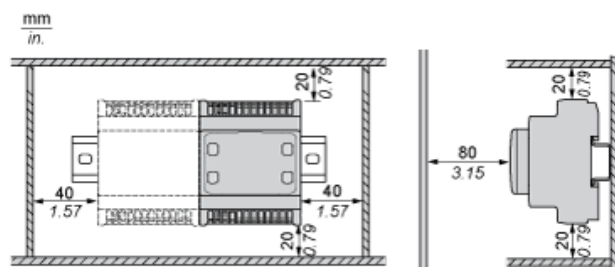
Sustainable offer status	Green Premium product
California proposition 65	WARNING: This product can expose you to chemicals including: Lead and lead compounds which is known to the State of California to cause Carcinogen & Reproductive harm. For more information go to www.p65warnings.ca.gov
REACH free of SVHC	Yes
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope) EU RoHS Declaration
Mercury free	Yes
RoHS exemption information	Yes
China RoHS Regulation	China RoHS Declaration
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.

Dimensions

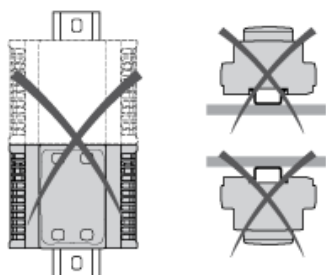


Mounting and Clearance

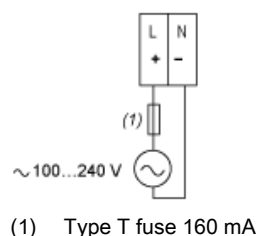
Clearance



Misplacement



Power Supply



Wiring Diagram

