

Product availability: Non-Stock - Not normally stocked in distribution facility



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	27
Discrete input number	8
Discrete output number	3For relay outputs SPST with same common 2For relay outputs SPST with same common 2For relay outputs SPDT with independent common
Discrete output current	8 AFor relay SPDT 5 AFor relay SPST
Analogue input number	2 analog input NTC 4 configurable
Analogue output number	3 voltage/current 4...20 mA or 0...10 V 2 open collector 1 kHz, 12 V, 35 mA

Complementary

Number of port	1 CAN port - screw terminal block
Input/output number	6 analog input(s) 5 analog output(s) 8 digital input(s) 7 digital output(s) 1 high-speed counter(s)
Discrete input logic	Sink or source (positive/negative)
Discrete input voltage	24 V AC/DC 48 V DC
Discrete input current	2.5 mA
Input impedance	20 kOhm
Analogue input type	Direct input Impedance 0...1500 hOhm Impedance 0...300 daOhm Voltage 0...5 V (ratiometric) Pt 1000 temperature probe - 200...800 °C - resolution: 0.1 °C NTC temperature probe - 50...110 °C - resolution: 0.1 °C (extended) NTC temperature probe - 40...150 °C - resolution: 0.1 °C Current 4...20 mA Voltage 0...10 V
Sensor power supply	5 V DC at 50 mA 12 V DC at 150 mA
[Us] rated supply voltage	48 V 24 V AC
Realtime clock	Without clock at -20...55 °C
Display type	Without display
Overvoltage category	II
Mounting support	DIN rail
Width	5.51 in (140 mm)
Height	4.33 in (110 mm)
Depth	2.43 in (61.6 mm)
Product weight	0.42 lb(US) (0.19 kg)

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.

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 CURus EAC
Ambient air temperature for operation	-4...131 °F (-20...55 °C) conforming to 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

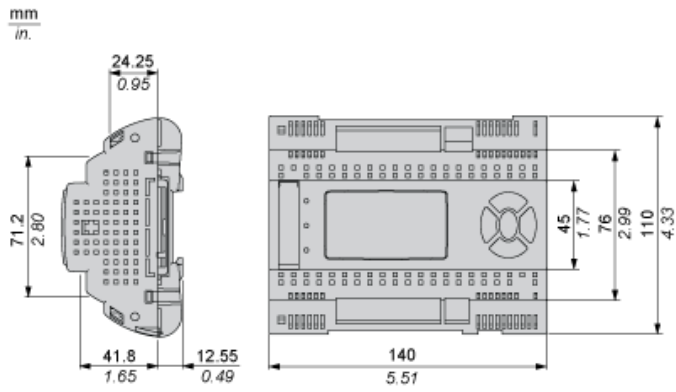
Ordering and shipping details

Category	22537 - M171 / M172 HVAC CONTROLLERS
Discount Schedule	PC12
GTIN	003606480752711
Nbr. of units in pkg.	1
Package weight(Lbs)	1.01
Returnability	N
Country of origin	IT

Offer Sustainability

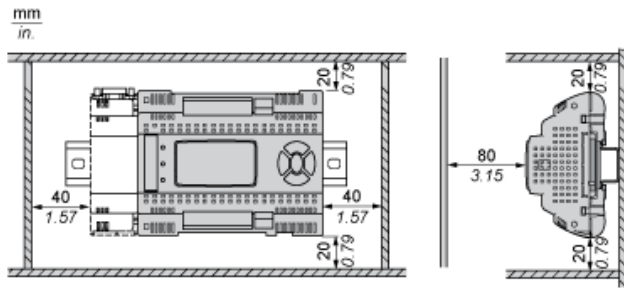
Sustainable offer status	Green Premium product
RoHS (date code: YYWW)	Compliant - since 1427 - Schneider Electric declaration of conformity Schneider Electric declaration of conformity
REACH	Reference not containing SVHC above the threshold
Product environmental profile	Available
Product end of life instructions	Available
California proposition 65	WARNING: This product can expose you to chemicals including:
----- Substance 1	Lead and lead compounds which is known to the State of California to cause cancer and birth defects or other reproductive harm.
----- More information	For more information go to www.p65warnings.ca.gov

Dimensions

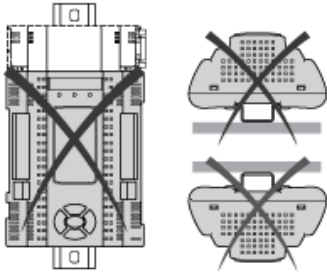


Mounting and Clearance

Clearance



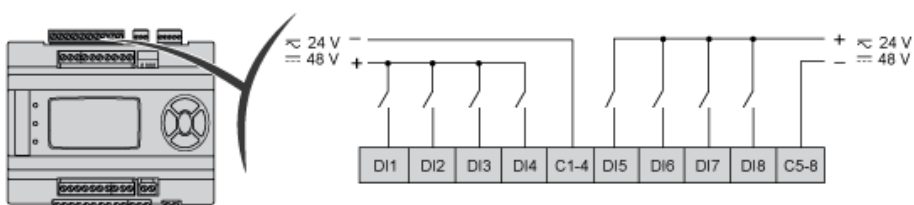
Misplacement



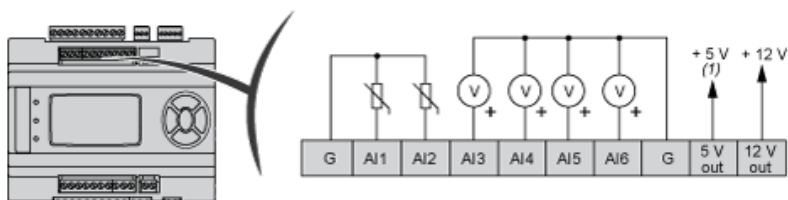
Power Supply



Digital Inputs

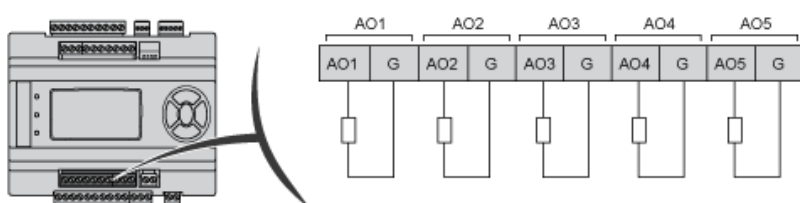


Analog Inputs

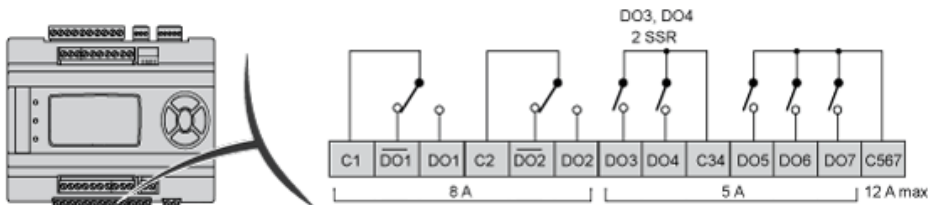


(1) Max current: 50 mA.
G : Ground

Analog Outputs

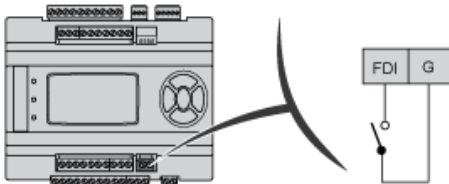


Digital Outputs



C : common

Fast Digital Input



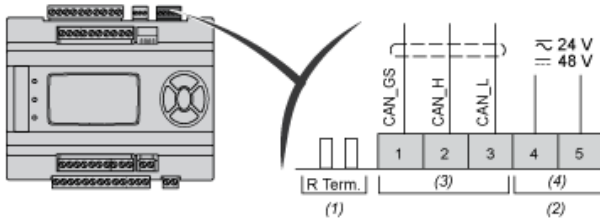
Serial Line Port (RS 485)



Apply 120 Ohm terminal resistance

GS serial GND isolated from G

CAN Expansion Bus



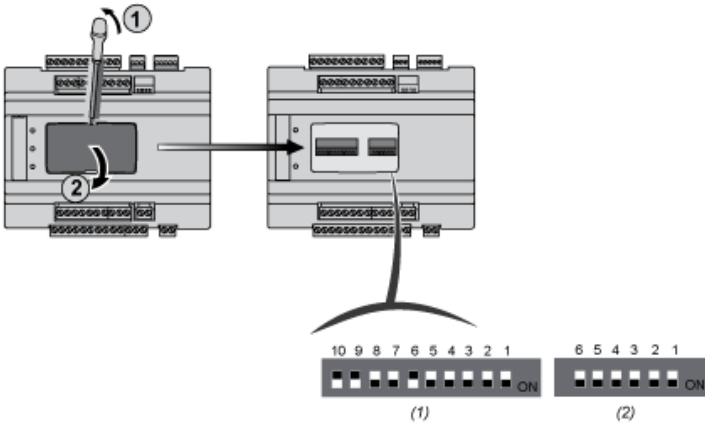
- (1) CAN terminal resistance
- (2) Output for remote keyboard
- (3) CANOPEN
- (4) Power Out

4 DipSwitches



- (1) 4 DIP SWITCH
LOW Address

6 - 10 DipSwitches



- (1) 10 DIP SWITCH
- (2) 6 DIP SWITCH

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[Schneider Electric:](#)

[TM171EP27R](#)