



Main

range of product	Modicon M171/M172
product or component type	Programmable controllers
product specific application	HVAC and pumping solution
variant	Programmable
number of inputs/outputs	42
discrete input number	12
discrete output number	2For relay outputs SPST with same common 2For solid state, isolated SSR with independent common 2For relay outputs SPDT with same common 3For relay outputs SPST with independent common
discrete output current	0.5 A 1 A 3 AFor relay SPST
analogue input number	12 configurable by pair
analogue output number	4 voltage 0...10 V 2 voltage/current 4...20 mA or 0...10 V or PWM (2 kHz)

Complementary

number of port	1 CAN port - screw terminal block 1 USB type A - USB type A female 1 USB type mini B - USB device port Mini-B 2 RS485 - screw terminal block (Modbus serial link or BACnet MS/TP) 1 Ethernet - RJ45 (Modbus TCP and BACnet IP with webserver)
input/output number	12 analog input(s) 6 analog output(s) 12 digital input(s) 12 digital output(s)
discrete input logic	Sink or source (positive/negative)
discrete input voltage	24 V AC/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 (absolute or ratiometric) PTC temperature probe - 55...150 °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 Pt 1000 temperature probe - 200...850 °C - resolution: 0.1 °C Voltage 0...10 V Current 0...20 mA/4...20 mA
sensor power supply	5 V DC at 50 mA supplied by the controller 24 V
[Us] rated supply voltage	20...38 V DC 24 V
power consumption in W	15 W at 24 V AC/DC
realtime clock	-4...131 °F (-20...55 °C)
display type	Backlit LCD - 128 x 64 pixels
overvoltage category	II
local signalling	Programmable: 1 LED (red) Programmable: 1 LED (yellow) Programmable: 1 LED (green) Power: 1 LED (green)
mounting support	DIN rail Panel mounting with accessory
width	5.67 in (144 mm)
height	4.33 in (110 mm)
depth	2.38 in (60.5 mm)
product weight	0.85 lb(US) (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 (pending) EAC (pending) cURus (pending)
ambient air temperature for operation	-4...131 °F (-20...55 °C) conforming to UL 60730-1
ambient air temperature for storage	-22...158 °F (-30...70 °C)
relative humidity	5...95 % non-condensing
IP degree of protection	IP20
pollution degree	2

Offer Sustainability

Sustainable offer status	Green Premium product
RoHS (date code: YYWW)	Compliant - since 1530 - Schneider Electric declaration of conformity
REACH	Reference not containing SVHC above the threshold
Product environmental profile	Available
Product end of life instructions	Available