



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	27
Discrete input number	8
Discrete output number	3 for relay outputs SPST with same common 2 for relay outputs SPDT with independent common 2 for solid state, isolated SSR with same common
Discrete output current	8 A for relay SPDT 5 A for relay SPST 0.5 A for solid state, isolated
Analogue input number	2 analog input NTC 4 configurable
Analogue output number	3 voltage/current, range: 4...20 mA or 0...10 V 2 open collector, range: 1 kHz, 12 V, 35 mA

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 1 RS485 - screw terminal block (Modbus serial link)
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	Voltage 0...5 V (ratiometric) Current 4...20 mA Impedance 0...1500 hOhm Impedance 0...300 daOhm NTC temperature probe - 50...110 °C - resolution: 0.1 °C (extended) Voltage 0...10 V Pt 1000 temperature probe - 200...800 °C - resolution: 0.1 °C NTC temperature probe - 40...150 °C - resolution: 0.1 °C
Sensor power supply	5 V DC at 50 mA 12 V DC at 150 mA
[Us] rated supply voltage	24 V +/- 20 % AC/DC 48 V +/- 20 % DC
Power consumption in W	5 W at 24...48 V AC/DC
Realtime clock	Built-in clock at -10...55 °C
Display type	LCD display - 128 x 64 pixels
Overvoltage category	II
Local signalling	1 LED (red) for programmable 1 LED (yellow) for programmable 1 LED (green) for programmable
Mounting support	Flush mounting
Width	160 Mm
Height	96 Mm
Depth	10 Mm
Product weight	0.35 Kg

Environment

Directives	86/188/EEC - physical agents (noise) directive 2006/95/EC - low voltage directive
Standards	EN/IEC 60730
Product certifications	CE[RETURN]cURus[RETURN]EAC[RETURN]CSA
Ambient air temperature for operation	-10...55 °C conforming to UL 60730-1
Ambient air temperature for storage	-20...85 °C
Relative humidity	10...90 % non-condensing
IP degree of protection	IP20
Pollution degree	2

Ordering and shipping details

Category	US1PC1222537
Discount Schedule	PC12
GTIN	3606480752841
Returnability	No

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	13.0 Cm
Package 1 Width	9.1 Cm
Package 1 Length	18.5 Cm
Package 1 Weight	509.0 G
Unit Type of Package 2	S02
Number of Units in Package 2	6
Package 2 Height	15.0 Cm
Package 2 Width	30.0 Cm
Package 2 Length	40.0 Cm
Package 2 Weight	3.401 Kg

Offer Sustainability

Recyclability potential, in %	0
California proposition 65	WARNING: This product can expose you to chemicals including: Lead and lead compounds, which
Total lifecycle Carbon footprint	792 kg CO2 eq.
Carbon footprint of the manufacturing phase [A1 to A3]	44.2853833873189
Carbon footprint of the manufacturing phase [A1 to A3]	44 kg CO2 eq.
Carbon footprint of the distribution phase [A4]	0.2118598644282191
Carbon footprint of the distribution phase [A4]	0.2 kg CO2 eq.
Carbon footprint of the installation phase [A5]	0.004797190078512364
Carbon footprint of the installation phase [A5]	0 kg CO2 eq.
Carbon footprint of the use phase [B2, B3, B4, B6]	746.0855957004956
Carbon footprint of the use phase [B2, B3, B4, B6]	746 kg CO2 eq.
Mercury free	Yes
Sustainable packaging	No
Carbon footprint of the end-of-life phase [C1 to C4]	1.350286299571271
Carbon footprint of the end-of-life phase [C1 to C4]	1 kg CO2 eq.
Environmental Disclosure	Product Environmental Profile
Total lifecycle Carbon footprint	792
Packaging made with recycled cardboard	Yes
REACH Regulation	Reference contains Substances of Very High Concern above the threshold Product Environmental Profile
EU RoHS Directive	Compliant By Exemption Product Environmental Profile
Updatibility	Yes
End of life manual availability	End Of Life Information
Removable battery	No
Take-back	No
WEEE Label	The product must be disposed on European Union markets following specific waste collection and n

Contractual warranty

Warranty (in months)	18
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Product Life Status : **End of commerc. - Block**

TM171PDM27S may be replaced by any of the following products:



TM172PDG28SI

Controller, Modicon M171/M172/M173, performance display 28 IO, Ethernet, solid state relay

Qty 1

Substitution date: |