

TM171ODM22R

Controller, Modicon M171/M172/M173, optimized display 22 IO, Modbus

Local Stock Code: Not on Stock



Main

Range of product	Modicon M171/M172
Product or component type	Controller
Product specific application	HVAC and pumping solution
Variant	Programmable
Number of inputs/outputs	22
Discrete input number	6
Discrete output number	1 for open collector 3 for relay outputs SPST with same common 2 for relay outputs SPST with independent common
Discrete output current	2 A for relay
Analogue input number	2 configurable 3 analog input NTC
Analogue output number	2 PWM/PPM 3 voltage, range: 0...10 V

Complementary

Number of port	1 LAN expansion bus 1 RS485 - screw terminal block (Modbus serial link)
Input/output number	5 analog output(s) 6 digital input(s) 5 analog input(s) 6 digital output(s)
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 - resolution: 0.1 °C Current 0...20 mA/4...20 mA Voltage 0...1 V
Sensor power supply	12 V DC at 85 mA 5 V DC at 20 mA
[Us] rated supply voltage	12...24 V +/- 10 % AC 24 V +/- 10 % DC
Power consumption in W	4 W
Realtime clock	Built-in clock at -20...55 °C
Display type	Four 7-segment display units

Overvoltage category	II
Local signalling	6 LEDs (red) 5 LEDs (green) 7 LEDs (amber) for programmable
Mounting support	Flush mounting
Width	74 Mm
Height	32 Mm
Depth	76 Mm
Product weight	0.164 Kg

Environment

Directives	2006/95/EC - low voltage directive 86/188/EEC - physical agents (noise) directive
Standards	EN/IEC 60730
Product certifications	CSA[RETURN]EAC[RETURN]CE[RETURN]cURus
Ambient air temperature for operation	-20...55 °C conforming to UL 60730-1
Ambient air temperature for storage	-40...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	3606480752780
Returnability	No
Country of origin	IT

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	13.000 Cm
Package 1 Width	9.100 Cm
Package 1 Length	18.500 Cm
Package 1 Weight	236.000 G
Unit Type of Package 2	S02
Number of Units in Package 2	6
Package 2 Height	15.000 Cm
Package 2 Width	30.000 Cm
Package 2 Length	40.000 Cm
Package 2 Weight	1.731 Kg

Offer Sustainability

Recyclability potential, in %	0
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 reproductive harm.
Total lifecycle Carbon footprint	177 kg CO2 eq.
Carbon footprint of the manufacturing phase [A1 to A3]	10.41812723959728
Carbon footprint of the manufacturing phase [A1 to A3]	10 kg CO2 eq.
Carbon footprint of the distribution phase [A4]	0.1115051918043258
Carbon footprint of the distribution phase [A4]	0.1 kg CO2 eq.
Carbon footprint of the installation phase [A5]	0.004696289541949586
Carbon footprint of the installation phase [A5]	0 kg CO2 eq.

Carbon footprint of the use phase [B2, B3, B4, B6]	165.7967990445545
Carbon footprint of the use phase [B2, B3, B4, B6]	166 kg CO2 eq.
Mercury free	Yes
Sustainable packaging	Yes
Carbon footprint of the end-of-life phase [C1 to C4]	0.5216254315182522
Carbon footprint of the end-of-life phase [C1 to C4]	0.5 kg CO2 eq.
Environmental Disclosure	Product Environmental Profile
Total lifecycle Carbon footprint	177
Packaging made with recycled cardboard	Yes
REACH Regulation	Reference contains Substances of Very High Concern above the threshold Link
EU RoHS Directive	Compliant By Exemption Link
Updatability	Yes
End of life manual availability	End Of Life Information
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. announced**

TM171ODM22R may be replaced by any of the following products:



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Controller, Modicon M171/M172/M173, optimized display, 22 IO, 2 RS485

Qty 1

Substitution date: |