# **Product datasheet**

Specification





# Controller, Modicon M171/172/173, optimized display 14 IO, 100-240V AC

TM1710D14R

## 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	3 for relay outputs SPST with same common 1 for relay outputs SPDT with same common
Discrete output current	2 A for relay
Analogue input number	2 configurable 3 analog input NTC
Analogue output number	2 voltage, range: 010 V 2 PWM/PPM, range: 20 kHz, 12 V, 35 mA 1 current, range: 020 mA/420 mA

# Complementary

Number of port	1 LAN expansion bus
Input/output number	5 analog output(s) 4 digital output(s) 5 analog input(s)
Discrete input logic	Sink or source (positive/negative)
Contacts usage	Volt-free contacts
Analogue input type	voltage 05 V (ratiometric) voltage 010 V  NTC temperature probe - 50100 °C - resolution: 0.1 °C  Pt 1000 temperature probe - 50400 °C - resolution: 0.1 °C current 020 mA/420 mA voltage 01 V
Sensor power supply	12 V DC at 85 mA
[Us] rated supply voltage	100240 V
Width	70.2 mm
Height	87 mm
Depth	61.6 mm
net weight	0.19 kg

## **Packing Units**

Unit Type of Package 1 PCE

Number of Units in Package 1	1
Package 1 Height	13.000 cm
Package 1 Width	9.000 cm
Package 1 Length	18.500 cm
Package 1 Weight	288.000 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	2.020 kg



**Green Premium**<sup>TM</sup> **label** is Schneider Electric's commitment to delivering products with best-inclass environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO<sub>2</sub> products.

**Guide to assessing product sustainability** is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.

Learn more about Green Premium >

Guide to assess a product's sustainability >





Transparency RoHS/REACh

#### Resource performance



## Well-being performance



Mercury Free



Rohs Exemption Information

Yes

### **Certifications & Standards**

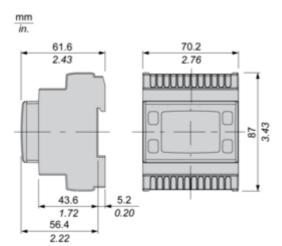
Reach Regulation	REACh Declaration
Eu Rohs Directive	Pro-active compliance (Product out of EU RoHS legal scope)
China Rohs Regulation	China RoHS declaration
Environmental Disclosure	Product Environmental Profile
Weee	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins
Circularity Profile	End of Life Information

# **Product datasheet**

## TM1710D14R

#### **Dimensions Drawings**

#### **Dimensions**

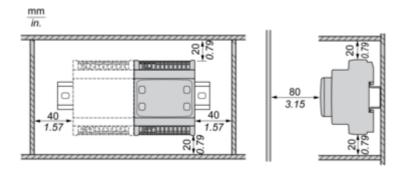


## TM1710D14R

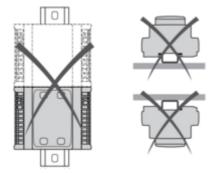
Mounting and Clearance

# Mounting and Clearance

#### Clearance



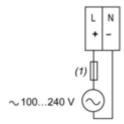
#### **Misplacement**



## TM1710D14R

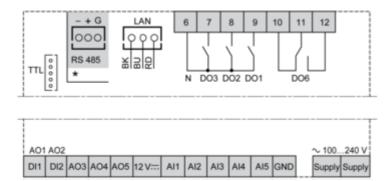
Connections and Schema

## Power Supply



(1) Type T fuse 160 mA

#### Wiring Diagram



N : Neutral
GND : Ground
BK : Black
BU : Blue
RD : Red

AI : Analogue input AO : Analogue output DI : Digital input DO : Digital output

28 Jun 2024