Temperature controller with digital indicator Model SC58, panel design

WIKA data sheet AC 85.24

Applications

- Temperature control in large plant:
 - Compressors
 - Refrigeration technology
 - Domestic and industrial heating

Special features

- Temperature controller and digital indicator in a single instrument
- Long service life
- Simple operation
- High contact rating, up to 12 A
- For panel mounting



Temperature controller with digital indicator, panel design, model SC58

Description

The model SC58 is a temperature controller for simple thermostat applications. It features simple operation and a high switch rating.

The design of the model SC58 enables the controller to be used as an alternative to the purely mechanical remotereading thermometer (model TF58). In comparison to mechanical thermostats, the SC58 can handle significantly more switching cycles and thus has a higher operating life.

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Data sheets showing similar products: Expansion thermometer, panel design; models TF58, TF59; see data sheet TM 80.02



Part of your business

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Standard version

Nominal size in mm

Front dimensions:62 x 28 mmMounting dimensions:58.2 x 25.2 mm

Sensor element

Pt100 resistance thermometer (standard) or PTC (selectable via software menu)

 Measuring range

 Pt100:
 -80 ... +400 °C

 PTC:
 -50 ... +130 °C

Measuring accuracy ± 1 K or ± 0.5 % of measuring range (greater value applies) The actual value display can be an integer or have a resolution of 0.5 K or 0.1 K

Display 3-digit LED display, 13 mm high, colour red

Power supply

Model SC58.230: AC 230 V, 50/60 Hz, current consumption max. 20 mA

Model SC58.024: AC 12 ... 24 V, DC 16 ... 36 V, current consumption max. 30 mA

Switching output

Relays, 12 A resistive load, (2.2 A inductive load), 250 V, change-over contact

Electrical connections Screw terminals for cable up to 1.5 mm²

Case Plastic, black

Weight approx. 200 g

Ingress protection Front panel IP 50 (for panel mounting) Terminals IP 00

Mounting option Panel mounting with mounting bracket

Permissible ambient conditions

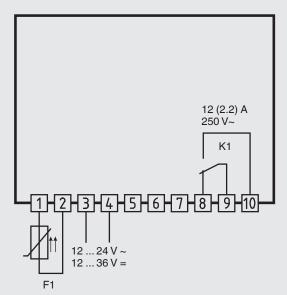
Storage temperature:-20 ... +70 °COperating temperature:0 ... 50 °CRelative humidity:max. 75 %, no condensation

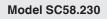
CE conformity

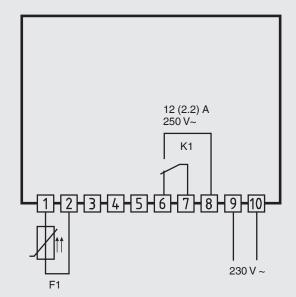
- EMC directive 2004/108/EG, EN 61326 Emission (group 1, class B) and interference immunity (industrial application)
- Low voltage directive 2006/95/EG, EN 60730-1 and EN 60730-2-9



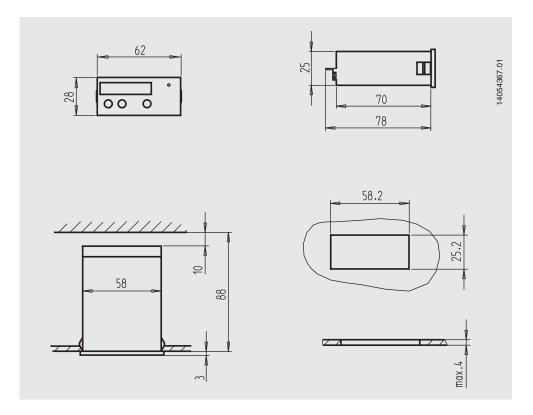
Model SC58.024







Dimensions in mm



Order information

Instrument version	Order no.
Model SC58.230 (AC 230 V)	14054712
Model SC58.024 (AC 12 24 V or DC 16 32 V)	14054713

Ordering information

To order the described product the given order number is sufficient.

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