



Steca TR 0301sc

3 Inputs **1** Output

The controller TR 0301sc is the RPM-controllable version of the basic controller TR 0301. In addition to the speed control of the solar circuit pump, the TR 0301sc also allows logging of the solar circuit pump's hours of operation, as well as recording the minimum and maximum temperature values from the collector and the storage tank. The controller is used for monitoring and controlling solar thermal systems which have a collector array and a storage tank. With its animated graphic display, which is clearly arranged, the TR 0301sc visualizes the operational status as well as the complete solar circuit of the solar energy system. The consistent use of pictograms helps make the controller easy to operate. The controller also performs important system monitoring and safety functions to ensure safe and long-lasting operation of the entire system. The numerous additional functions of the TR 0301sc include the option of limiting the storage tank temperature, a tube collector function, an anti-freeze function, a holiday and storage re-cool function, as well as a choice of temperature indications in either degrees Celsius (°C) or Fahrenheit (°F). The operational safety of the system is supported by a sophisticated fault diagnosis. The multi-colored LCD backlight ensures quick and safe location of occurring errors and facilitates quick troubleshooting.

Features

- Backlight LCD display
- Functioning of solar energy system shown in animated display
- Compact, 3 piece designer case
- Speed control of solar circuit pump
- Tube collector function
- Holiday (storage recool) function
- Limitation of storage tank temperature
- Temperature display °C / °F
- Logging of solar circuit pump operating hours
- Minimum and maximum displays of the storage tank and collector temperatures



Temperature Differential Controller	TR 0301sc
System voltage	230 V (± 15 %), 50 Hz [optional 115 V (± 15 %), 60 Hz]
Max. self consumption	≤ 1 W
Inputs	3 3 x temperature determination (Pt1000)
Output	1 1 x R1 triac for speed control, max. 200 W [230 V]
Turn-on temperature difference	8 K
Turn-off temperature difference	4 K
Operation temperature range	0 °C...+45 °C
Animated LCD-Display	2 colour backlight
Protection class	IP 20 / DIN 40050
Weight	250 g
Dimensions l x w x h	137 x 134 x 38 mm

System examples

