

Steca TR 0301

3 inputs, 1 output

The Steca TR 0301 was the first controller on the market to be equipped with a graphic display, on which an animated solar circuit of a solar energy system fully indicates the operating status of the system.

The clearly arranged display ensures easy operation using pictograms. The controller was jointly designed with an internationally renowned design centre. The controller is used for monitoring and controlling solar thermal systems with one collector array and one storage tank. In addition, the controller performs important system monitoring and safety functions to ensure safe and long-lasting operation of the entire system. The numerous additional functions of the Steca TR 0301 also include a maximum storage tank temperature function, a tube collector function, an anti-freeze function, a holiday and storage recool 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-coloured LCD backlighting ensures quick and safe location of occurring errors and facilitates quick troubleshooting.



Product features

- Compact, multipart designer casing
- Maximum storage tank temperature
- High level of operational safety through fault diagnosis
- Temperature display °C / °F
- Collector overtemperature disconnection
- Spring clamp terminals allow rapid and easy installation

Displays

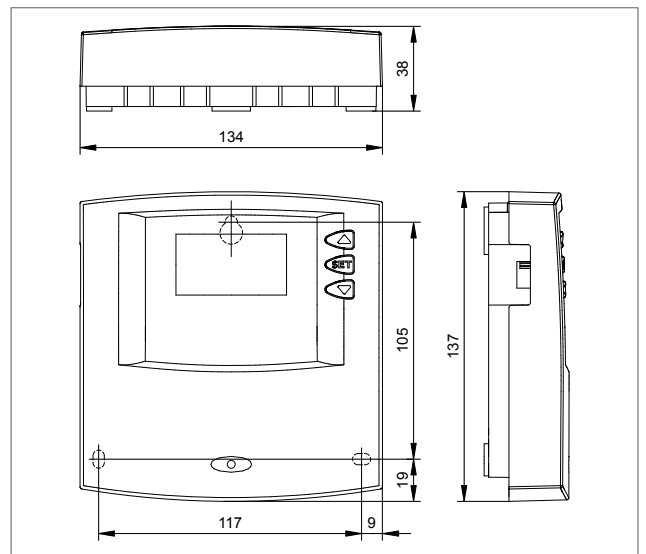
- Graphical LCD display with backlighting
- Animated representation of the systems and operating states

Operation

- Non-verbal menu navigation
- Side switch for manual, auto, off

Functions

- Holiday (storage tank recooling)
- Interval / tube collector
- Anti-freeze
- Display storage tank top



System type
1 collector array



Internal heat exchanger, intelligent pump control

	TR 0301
System voltage	230 V (± 15 %), 50 Hz optional 115 V (± 15 %), 60 Hz
Own consumption	≤ 1 W
Inputs	3 3 x temperature (Pt1000)
Output	1 1 x switch output relay (R1), max. 800 W (230 V)
Turn-on temperature difference	8 K
Turn-off temperature difference	4 K
Ambient temperature	0 °C ... +45 °C
Degree of protection	IP 20 / DIN 40050
Dimensions (X x Y x Z)	134 x 137 x 38 mm
Weight	250 g

Technical data at 25 °C / 77 °F

Areas of application:   inputs/outputs: 