

## Differential Temperature Controller ASC02-01WM

### 2 INPUTS, 1 OUTPUT

#### DATA SHEET



#### GENERAL

The ASC02-01WM solar thermal controller provides everything your solar thermal system requires for safe and long-lasting operation.

The microprocessor-controlled regulator monitors and controls solar thermal systems by means of a collector array and a storage tank.

Apart from controlling the solar energy system, the controller also performs important system monitoring and safety functions. The system parameters and measured values can be viewed and altered via the LCD display. The controller is equipped with two inputs for recording the temperature and one output for controlling the solar circuit pump. The range of features of the ASC02-01WM is supplemented by numerous additional functions such as a maximum storage tank temperature function, a tube collector function, an anti-freeze function, as well as a choice of temperature indications in Celsius (°C) or Fahrenheit (°F).

The operational safety of the system is supported by a sophisticated fault diagnosis. The LCD display ensures quick and safe location of occurring errors and facilitates quick troubleshooting.

#### FEATURES

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

#### Displays

- Text LCD display
- Temperature display for storage tank and collector
- Pump operating status display

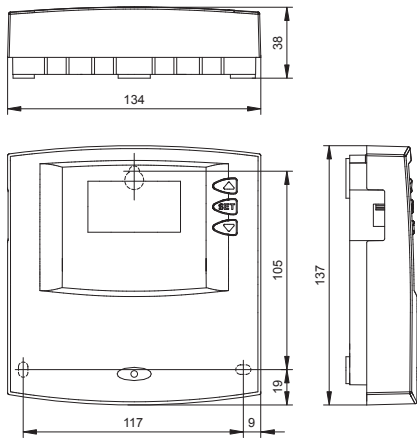
#### Operation

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

#### Functions

- Interval / tube collector
- Anti-freeze

TECHNICAL DATA



ASC02-01WM	
System voltage	230 V (± 15 %), 50 Hz optional 115 V (± 15 %), 60 Hz
Power consumption	≤ 1 W
Inputs	2 2 x temperature (Pt1000)
Outputs	1 1 x switch output relay (R1), max. 800 W (230 V)
Switch-on temperature difference	4 K ... 20 K
Switch-off temperature difference	2 K ... 18 K
Ambient temperature	0 °C ... +45 °C
Protection class	IP 20 / DIN 40050
Weight	250 g

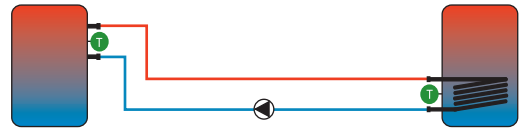
SYSTEM

- 1 storage tank, 1 collector array

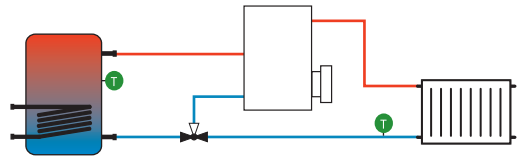


Internal heat exchanger,  
intelligent pump control

- Differential thermostat



Storage tank reloading



Heating return increase



Manufactured for and on behalf of the Environmental and Combustion Controls Division of Honeywell Technologies Sàrl, Rolle, Z.A. La Pièce 16, Switzerland by its Authorized Representative:

Automation and Control Solutions

Honeywell GmbH  
 Böblinger Strasse 17  
 71101 Schönaich / Germany  
 Phone: (49) 7031 63701  
 Fax: (49) 7031 637493  
<http://ecc.emea.honeywell.com>

Subject to change without notice. Printed in Germany  
 EN0B-0660GE51 R0311