

Differential Temperature Controller ASC03-10WM

3 INPUTS, 1 OUTPUTS SPEED CONTROL

DATA SHEET



GENERAL

The ASC03-10WM controller is the speed-controllable version of the basic controller, the ASC03-10WM.

In addition to the speed control of the solar circuit pump, the ASC03-10WM also allows logging of the solar circuit pump's hours of operation, as well as recording the minimum and maximum temperature values of the collector and the storage tank.

The controller is used for monitoring and controlling solar thermal systems with one collector array and one storage tank. Equipped with an animated and clearly arranged graphic display, the ASC03-10WM 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 ASC03-10WM 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 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.

PRODUCT FEATURES

- Compact, multipart designer casing
- Electronic speed control
- Maximum storage tank temperature
- High level of operational safety through fault diagnosis
- Logging of minimum and maximum temperature values
- Temperature display °C / °F
- Collector over-temperature disconnection
- Hours-of-operation logger
- Storage tank target temperature loading
- Spring clamp terminals allow rapid and easy installation

Displays

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

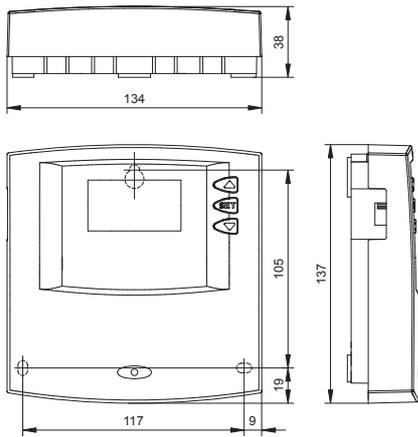
Operation

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

Functions

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

TECHNICAL DATA



SYSTEM

1 storage tank, 1 collector array



Internal heat exchanger, intelligent pump control

ASC03-10WM	
System voltage	230 V (± 15 %), 50 Hz optional 115 V (± 15 %), 60 Hz
Power consumption	≤ 1 W
Inputs	3 3 x temperature (Pt1000)
Outputs	1 1 x triac for speed control (R1), max. 250 W (230 V)
Switch-on temperature difference	8 K
Switch-off temperature difference	4 K
Ambient temperature	0 °C ... +45 °C
Protection class	IP 20 / DIN 40050
Weight	250 g

Honeywell

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