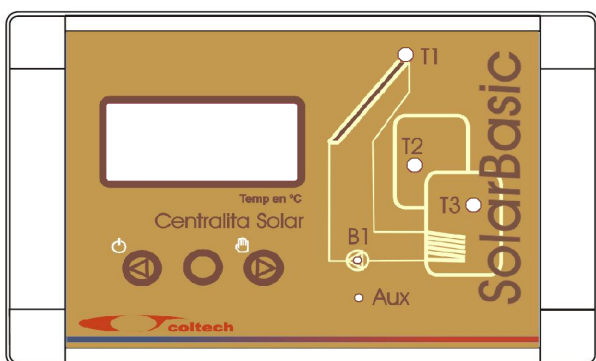
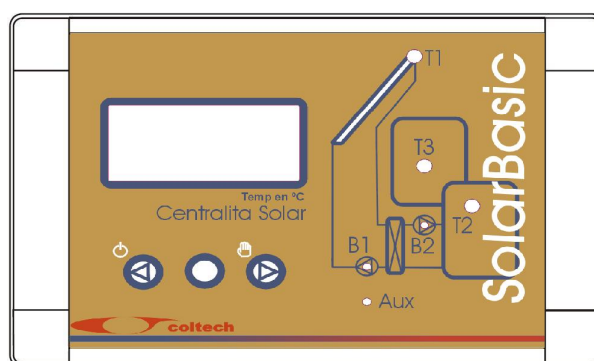


SolarBasic. Solar controller



Solarbasic - S



Solarbasic - I

SolarBasic is a differential thermostat for solar regulation with the possibility of controlling a tank with forced pump circulation, auxiliary energy support system and heat sink.

Equipped with a next-generation microcontroller, the device is characterized by its robustness and reliability. Combined with the probes included, it provides high accuracy in measurements.

Available indicator display and three buttons to access the options menu and change it.

The cover, is designed for the two most common types of installation to facilitate the understanding of measurements and team performances and can be customized with customer's design.

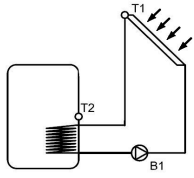
SolarBasic model can control up to three temperature sensors and three outputs for pump control and auxiliary systems.

All models have anti-freeze option and overtemperature shutdown.

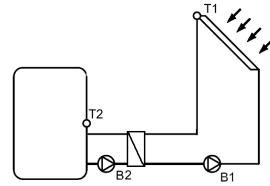
Model	Systems	Inputs	Outputs
SolarBasic 0201	Mode 1	1 Probe with PVC cable 1 Probe with silicone cable	1 Semiconductor relay
SolarBasic 0302-S	Modes 1, 3, 5	2 Probes with PVC cable	2 Semiconductor relays
SolarBasic 0302- I	Mode 2	1 Probe with silicone cable	
SolarBasic 0303-S	Modes 1, 3, 5, 7	2 Probes with PVC cable	1 Electro-mechanic relay
SolarBasic 0303- I	Modes 2, 4, 6	1 Probe with silicone cable	2 Semiconductor relays

System characteristics		
Power Supply	230V - 50 HZ Other power supplies on demand	
Power consumption	<3 W	
Inputs	Probes PT1000 class B. - Probes with silicone cable suitable for outdoor conditions, range [-30,180] °C - Probes with PVC cable suitable for indoor conditions, range [-5,90] °C	
Outputs	- Semiconductor relay, TRIAC, max power 230 W - Electro-mechanic relay, max power 1100 W	
Working conditions	Ambient temperature 0°C to 45°C Humidity 0% to 80%	
Dimensions	145 x 90 x 45 mm	
Fuse	2 A user replaceable	

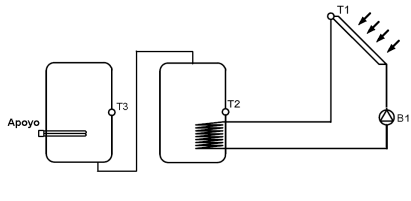
SCHEMAS



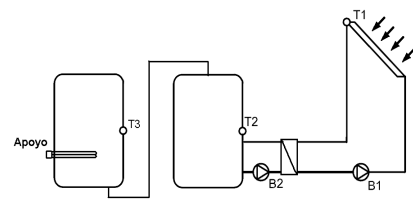
Working mode 1



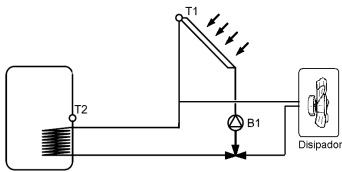
Working mode 2



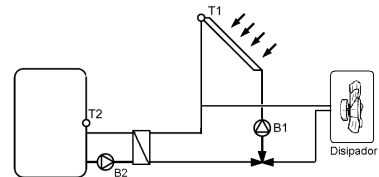
Working mode 3



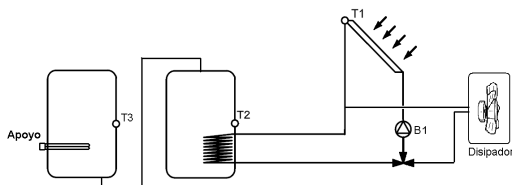
Working mode 4



Working mode 5



Working mode 6



Working mode 7