

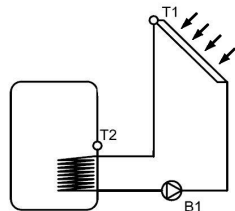
SolarMini. Solar controller



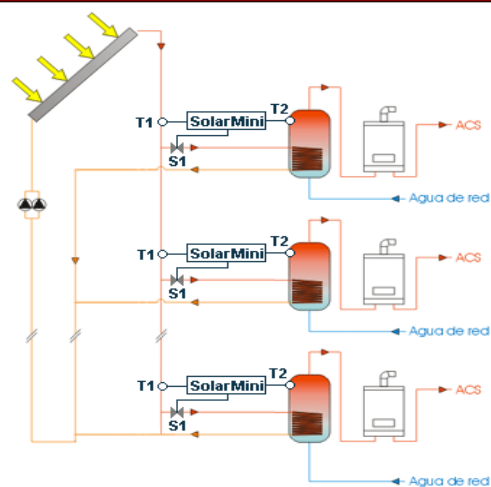
SolarMini is a differential thermostat to regulate solar systems formed by a solar collector and a hot water boiler in forced or distributed solar energy facilities.

The device measures the temperature difference between solar collector and the tank, and if there is energy available it activates an output connected to a pump or valve.

SCHEMAS



Basic schema



Distributed solar energy schema

System characteristics

Power supply	220V - 50 HZ Other power supplies on demand
Power consumption	<5 W
Inputs	2 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	1 Semiconductor relay, TRIAC, max power 230 W
Working conditions of the controller	Temperature -10°C to 45°C Humidity 0% to 80%
Dimensions	190 x 120 x 60 mm

