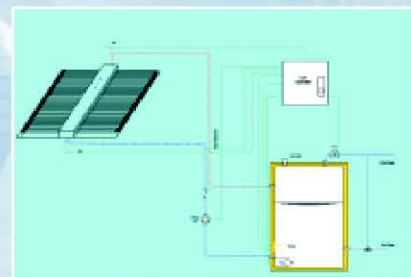
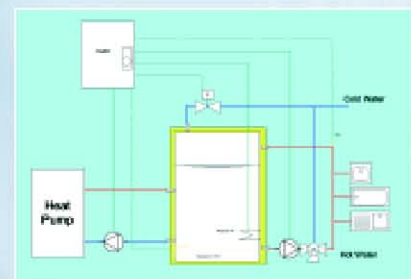


These two controllers are preprogrammed for commercial use or larger residential systems with tank capacities of 3000 liters or less. The systems can be set in neutral mode, such as thermosyphon, or forced circulation. The controllers provide simple solutions to monitor more complex arrangement needs for stores, small shops, or residencies. These include temperature differential controls to activate or deactivate the solar loop pump transferring heat to the storage tank. The systems can then perform as an alternative energy source controller for heat, which can be used to provide electricity, gas, or other fuels. Another significant advantage of the controllers are the regulation and usage of boilers or resistors, when the solar system is unavailable. Secure and direct functions include frost protection; storage tank level monitoring; and system fault localization.



Installation Data

- power supply: 210-250 volts AC (CA0)
380 volts AC (CA1)
- wall mounted
- display indicating solar system status, system temperatures, time, water level, operation status, and fault location, if a system failure occurs
- Inputs: 4 sensors
 - 3 temperature sensors
 - 1 water level sensor
- Outputs: 5 relays, controls
 - alternative energy source control (220V/10A for CA0)
 - 1 resistor control (380V/60A for CA1)
 - 1 pipe heater (220V/10A)
 - recirculation control (220V/5A, individualized)
 - 1 electromagnetic valve (220V/5A)
 - 1 temperature differential pump control (220V/5A)
- Temperature differential adjustment within 0-99°C
- Dimensions: 400 x 300 x 130 mm (CA0)
500 x 400 x 200 mm (CA1)



Features

- Water level sensor works with differing tanks
- Advanced semiconductor technology to eliminate electronic interference to provide greater reliability and system stability
- Intelligent control for solar water system
- Remote control system available
- Production individualized per customer request