

Differential Temperature Control

**Fast, easy installation -
reduces labor**

**Diagnostic LEDs give
instant system operation
feedback**

**Lightning and static elec-
tricity protected**

**Proven reliability with
outstanding warranty
coverage**

**Sensors can be located up
to 1000 feet away**

**Precision electronic accu-
racy within $\pm 1^{\circ}\text{F}$**



Specifications

Input power

120 VAC or 240 VAC

Output

SPDT powered contacts
1HP@115VAC, 2HP@240VAC
rating @ 240VAC:
20A on NO contacts
10A on NC contacts

Differential

8/4 to 24/4°F

High Limit

110° to 230°F

Environment

15° to 130° F
0 to 95% rH

Accuracy:

+/- 1°F

Dimensions

5.875" x 4.875" x 2.375"

Temperature Sensors

Thermistor 10k @ 25°C/77°F
not included

Description

The Goldline GL-30 differential temperature controls is designed to provide maximum operating efficiency and flexibility to effectively manage today's innovative solar energy systems. It is a continuation of the advanced electronic technology which produced the popular C-30 and CM-30 controllers - standards of the solar industry since 1975, with hundreds of thousands of units installed worldwide. With an adjustable high limit of 50°-104°F, the GL-30 is capable of handling most differential temperature control functions for operation of domestic water heating and sophisticated space heating and cooling. The GL-30 is designed to control recirculation, drain-back and closed loop systems.

LED Indicators

Three highly visible LEDs show; 1) power to control, 2) power out from control, 3) power out from control due to a recirculation mode to protect the system from freeze damage.

GL-30 Output

The GL-30 output is rated at 20 Amps and is designed to directly operate a pump or fan for heat collection when the controller is sensing an appropriate temperature differential

Differential

The GL-30 has an adjustable differential with a range of 8° to 24°F. Solar systems with long pipe runs normally require a higher turn-on differential temperature, and open loop systems with short pipe runs usually require a lower turn-on differential temperature for optimum performance. The GL-30 offers versatility to tailor controls to numerous specific systems designs.

Storage High Limit

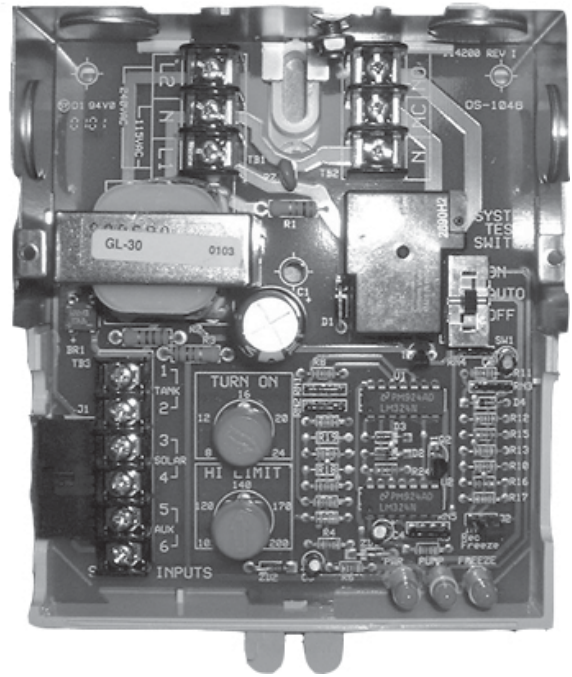
The GL-30 allows you to set a high limit storage temperature from 110° to 230°F.

Recirculation Freeze Protection

Recirculation freeze protection, when enabled, turns the GL-30 output on to circulate warmer storage water through the collectors when near freezing temperatures are reached at the collector sensor.

System Test Switch

The system test switch manually switches the GL-30 to ON, AUTO, or OFF for complete control over the system at all times.



3 Year Warranty

Goldline Controls warrants its Goldline Solar products to be free from defects in material or workmanship, under normal use and service for 3 years from date of manufacture, providing it is installed according to the installation instructions and specifications. The datecode stamped on the outside of the product and also coded on the printed circuit board will be the sole determination of manufacturing date.

Accessories

Goldline Sensors

Goldline provides a wide assortment of remote temperature sensors. These 10K ohm thermistor sensors are to be used with all Goldline temperature controls. General use and application specific sensors ensure that we have the sensor that will work best for your application.

