

### Benefits:

- One unit does work of many
- System performance tuning capability
- Wider versatility of applications
- Instant status feedback of system operation
- Quick plug-in system monitoring capability
- Fast, easy installation
- Models for solar thermal, pool & spa, and solar air to water systems
- Lightning and static electricity protected
- Proven reliability

### The advanced electronic control for today's sophisticated solar systems

The Goldline CM-30 Differential Temperature Control is designed to provide maximum operating efficiency and flexibility to effectively manage today's innovative solar energy systems. It represents a continuation of the advanced electronic technology that produced the popular C-30 control – standard of the solar industry – with over 200,000 units installed worldwide.

The CM-30 is capable of handling most differential temperature control functions for operation of domestic water heating and sophisticated space heating and cooling. It is especially well-suited for Antifreeze, Drain-Back and Recirculate type solar heating systems.

### Ease of installation, operation and serviceability

Like all Goldline products, the CM-30 Differential Temperature Control is designed to meet your needs for ease of installation, operation and serviceability. The CM-30 features the same quality solid state construction that has made the name Goldline synonymous with reliable, accurate performance.

The CM-30 offers you advanced operating features to provide differential temperature control, storage high limit and recirculate freeze protection functions for solar energy systems.

**CM-30 output** is designed to directly operate a circulator or fan for heat collection purposes when the controller is sensing an appropriate temperature differential. An LED output indicator is provided as an aid for troubleshooting or servicing the system.

**Adjustable differential** within a range of 8 to 24°F. Offers versatility to tailor controls to a specific system design. Systems with long piping may require a higher turn-on differential temperature. Open loop systems with short piping runs may require a lower turn-on differential for optimum performance.

**Storage high limit** is field adjustable over a 110 to 230°F range. Offers flexibility to protect most types of storage systems.

\***Recirculate freeze protection** turns the CM-30 output "on" to circulate warmer storage water through the collector(s) when near freezing temperatures are reached at the collector sensor. LED recirculate freeze indicator provides instant output status of this condition.

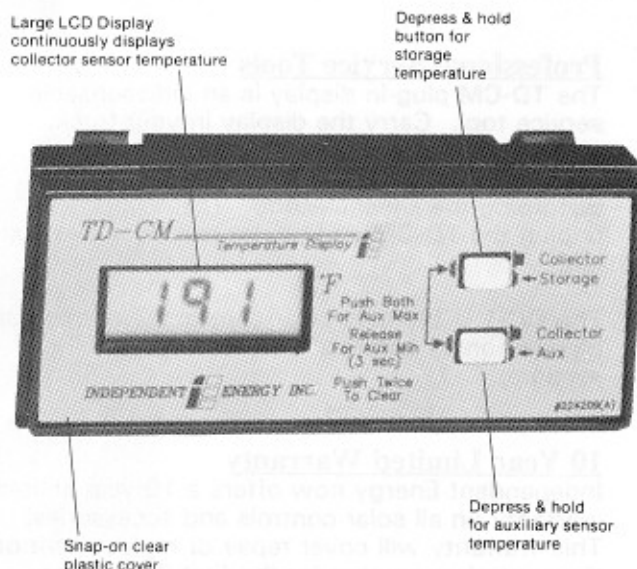
**Test switch** forces the CM-30 output "on" or "off".



### Connecting the CM-30 to a Goldline TD-CM digital monitor for added capability

The CM-30 contains a quick plug-in adaptor for easy connection to a Goldline TD-CM snap-in digital monitor. This combination provides a digital readout of unprecedented  $\pm 1^\circ$  temperature accuracy for maximum operating efficiency. When used with a digital monitor, an auxiliary sensor may be wired to the CM-30 to monitor system performance, with min./max. temperature memory. The TD-CM may be snapped into the cover of CM-30 or mounted remotely by using an ABC 10F/10M cable and MK-1 or MK-2 mounting bracket.

Goldline digital monitors may be connected as permanent installations or used as convenient carry-along troubleshooting tools to plug into a CM-30 control, read collector and storage temperature sensors and speed the service on any job.



\* See IE freeze protection literature before using recirculate freeze.

Made in USA