

# CM SERIES DIFFERENTIAL CONTROLS

## NEW MODELS

### INCREASED APPLICATION VERSATILITY

#### DRAINDOWN SOLAR SYSTEMS

- CM-32 - All technological advancements of the CM-30 controls with added draindown freeze protection capabilities
- Relay output for draindown valve gives added reliability

#### POOL & SPA APPLICATIONS

- CM-33 - Features adjustable Hi-limit range 50°-104°F
- For recirculate, drainback & glycol systems

#### HEAT RECOVERY/AIR TO WATER APPLICATIONS

- CM-50 - Features adjustable turn on/turn off differential (15°/4° - 40°/20°F)
- Eliminates short cycling problems due to inappropriate differential spans
  - Adjustable Hi-limit range (60° - 160°F)
  - Optional no Hi-limit
  - For air applications (can also be used on drainback & glycol systems)

#### "SNAP-IN" TEMP DISPLAY MODULE FOR ALL CM CONTROLS

- TD-CM - Displays collector & storage sensor temps plus (1) auxillary sensor for use as outdoor temp, room temp, etc.
- Displays and remembers Min & Max of auxillary sensor by pushing button
  - Control, panel or wall mounting

#### MODEL SELECTION

	CM-30	CM-32	CM-33	CM-50
ON DIFF. - OFF DIFF.	8°-24°F 4°F Fixed	8°-24°F 4°F Fixed	8°-24°F 4°F Fixed	15°F to 40°F 4°F to 20°F
HI-LIMIT	110°-230°F	110°-230°F	50°-104°F	60°-160°F (opt. no Hi-limit)
RELAYS	SPDT 1/2 HP	(2) SPST 1/2 HP	SPDT 1/2 HP	SPDT 1/2 HP

#### SPECIFICATIONS\*

POWER REQUIREMENTS: 105-130VAC, 50/60Hz (240VAC factory opt)

OUTPUT POWER: 115VAC, 1/2HP, 9.8FLA

TEMPERATURE SENSORS: IE 10K thermistors @ 77°F

OPERATING AMBIENT TEMP RANGE: -30° to 130°F

DIMENSIONS: 5 5/8" x 4 7/8" x 2 3/8"

WEIGHT: 2 lbs.

\*All Goldline CM series controls ESD, RFI/EMI protected, UL Listed