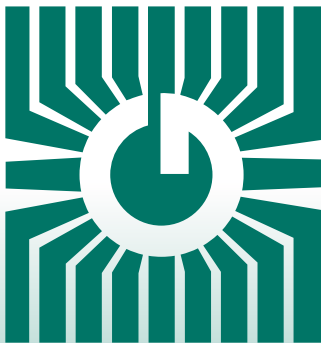
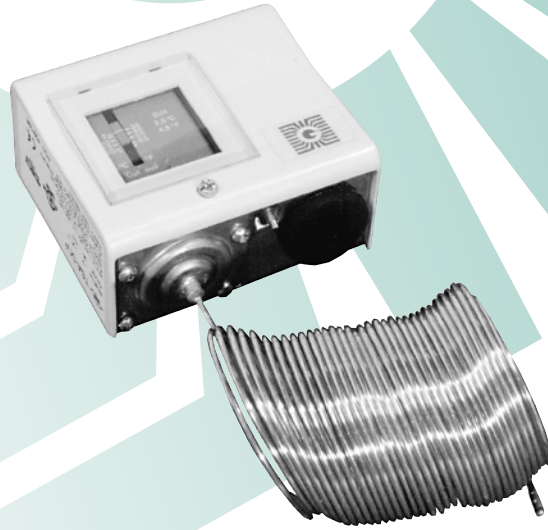


# GREYSTONE ENERGY SYSTEMS INC



## FROST PROTECTION THERMOSTAT LLC Series



LLC-307 model  
shown above

### FEATURES:

- SPDT or DPDT
- Auto or manual reset version
- 6 meter (20') capillary
- Optional capillary mounting clip

*Peace of mind  
through reliable  
temperature monitoring*

GREYSTONE HAS AN **ISO 9001** REGISTERED QUALITY SYSTEM

## DESCRIPTION:

The LLC series frost protection thermostats provide a switched output based on the average temperature detected along a six meter (20 foot) capillary sensor.

The unit is fixed across a duct using capillary mounting clips, downstream of the frost coil and is used to prevent the icing up of filters, fans and coils.

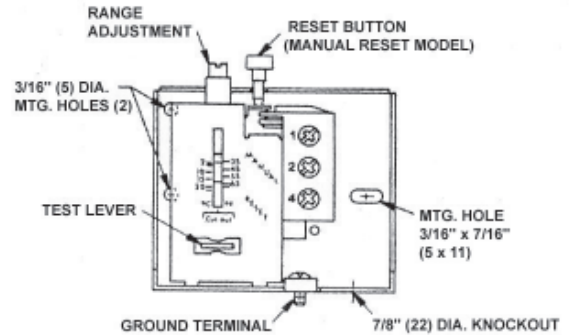
## SPECIFICATIONS:

Sensor Type ..... Vapor-filled copper capillary, tin plated  
 Probe..... 2 mm (5/64") diameter , 6.1 m (20') length  
 Ambient Range ..... -51° to 71°C (-60° to 160°F), operating  
 149°C (300°F) maximum at sensing element  
 Response ..... To lowest temperature sensed by any 30 cm (1')  
 section of capillary element  
 Control Range..... **SPDT:** +1.7 to +20°C (35 to 68°F)  
 ..... **DPDT:** +1.1 to + 21°C (34 to 70°F)  
 Differential ..... 2.5°C (4.5°F)  
 Switch Action..... SPDT or DPDT (two SPDT), snap acting  
 Electrical Ratings ..... **SPDT:** 24 F.L.A. inductive @ 120/240 VAC  
 144 L.R.A. inductive @ 120/240 VAC  
 2 HP @ 120 VAC, 3 HP @ 240 VAC  
 720 VA max pilot duty @ 120-600 VAC  
 144 VA max pilot duty @ 24 VAC

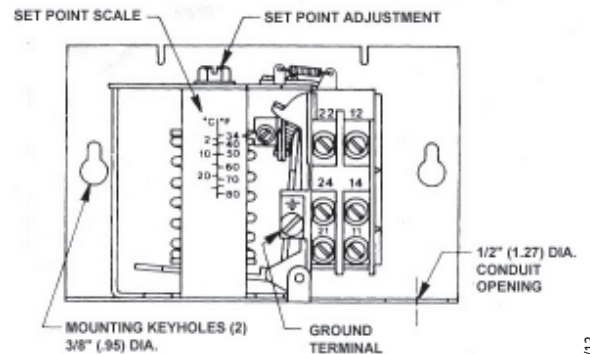
**DPDT:** 14 F.L.A. inductive @ 120 VAC  
 84 L.R.A. inductive @ 120 VAC  
 3/4 HP @ 120 VAC  
 12 F.L.A. inductive @ 240 VAC  
 72 L.R.A. inductive @ 240 VAC  
 2 HP @ 240 VAC  
 720 VA max pilot duty @ 120-600 VAC  
 144 VA max pilot duty @ 24 VAC

Enclosures ..... Plated steel case; plastic cover IP23 (NEMA 1)  
 Dimensions..... **SPDT:** 75 x 85 x 40 mm (2.94"h x 3.35"w x 1.57"d)  
**DPDT:** 92 x 140 x 67 mm (3.63"h x 5.5"w x 2.63"d)

## SPDT:



## DPDT:



## ORDER INFORMATION:

- LLC-306** - SPDT Auto reset frost protection thermostat
- LLC-307** - SPDT Manual reset frost protection thermostat
- LLC-316** - DPDT Auto reset frost protection thermostat c/w 5 mounting clips
- LLC-317** - DPDT Manual reset frost protection thermostat c/w 5 mounting clips
- LLC-CLIPS** - Capillary mounting clips

\* Greystone reserves the right to make design changes at any time.



*Greystone Energy Systems Inc. is one of North America's largest ISO registered manufacturers of HVAC/R sensors and transmitters for Building Automation Management Systems.*

*We have conscientiously established a worldwide reputation as an industry leader by maintaining leading-edge design technology, prompt technical support, and a commitment to on-time deliveries. We take pride in our Quality Management System which is ISO 9001 certified, assuring our customers of consistent product reliability.*

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