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## 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	
	section of capillary element
Control Range	
	<b>DPDT:</b> +1.1 to + 21°C (34 to 70°F)
Differential	
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
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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) **DPDT:** 92 x 140 x 67 mm (3.63"h x 5.5"w x 2.63"d)

#### **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.



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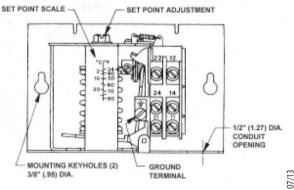
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RANGE RESET BUTTON ADJUSTMEN (MANUAL RESET MODEL) 3/16" (5) DIA MTG. HOLES (2) B 23 3 TEST LEVER MTG. HOLE To 3/16" x 7/16 (5 x 11)

> GROUND TERMINAL 7/8" (22) DIA, KNOCKOUT

#### **DPDT:**

SPDT:





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 leadingedge 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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