

## DL

### Integrated Temperature Controls *(cont'd.)*

#### RTAS & RTAS-EP Ambient Sensing

**RTAS** is an ambient-sensing thermostat which is generally used for freeze protection in ordinary (non-hazardous) areas. The thermostat is mounted through the end of the oblique sided enclosure lid. In fact, because there is so much room in this model, multiple heating cables can be terminated. The stainless steel sheathed, inverted bellows probe provides good sensitivity, resulting in more accurate control.

**RTAS-EP** is a modified version of the RTAS which utilizes a hermetically sealed switch. Since this switch has no arcing contacts, it can be used in Division 2 Hazardous Areas.

#### Specifications

**Temp. Setpoint Range** — 0 to 225°F (-18 to 107°C) for RTAS/RTAS-EP

**Microswitch® Rating** — 22 Amps SPDT for RTAS; 11 Amps, RTAS-EP

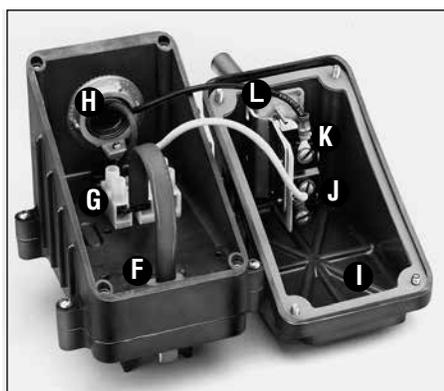
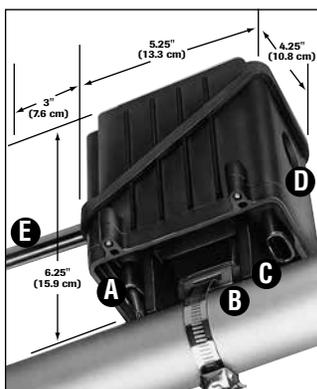
**Scale Division** — 10°F (5.6°C)

**Max. Sensor Exposure Temp.** — 250°F (121°C)

**Sensor Dimensions** — 9/16" Dia. x 3" Long

**Operating Ambient Temp. Range** — -40°F to 160°F (-40 to 71°C)

**Factory Preset and Calibrated** — 40°F



#### Construction

- A** Strategically placed cable entries allow maximum flexibility for insulation (Heating cable cut away for clarity).
- B** Stainless steel tiedown support provides positive attachment to pipes.<sup>1</sup>
- C** Heavy duty support legs give stable pipe mounting and provide conduit clearance for applications with up to three inches of insulation.
- D** Opening for 3/4" (20 mm) conduit hub.<sup>1</sup>
- E** Stainless steel sheath temperature sensor.
- F** Cable grommets provide water-tight seal between base, box and cable. Use GRSR with all self-regulating cables. Use GRCW with constant wattage cables. One of each grommet included in kit. See table below for spare grommets.
- G** Three position terminal block for easy wiring.
- H** Power wiring entry. Conduit hub not included.
- I** Gasket provides water-tight seal between box and lid. It is affixed to the lid and holds the mounting hardware during assembly.
- J** Thermostat switch.
- K** Setpoint adjustment knob.
- L** Setpoint indicator.

**Note 1** — Refer to DL & EL General Application Accessories at the end of this section.

#### Spare Grommets

#### PCN

<b>GRS</b>	RTD/Capillary type	<b>385000</b>
<b>GRO</b>	Blank	<b>385019</b>
<b>GRSR</b>	Self-regulating cable type	<b>389714</b>
<b>GRCW</b>	Constant wattage cable type	<b>389722</b>

#### Ordering Information

Model	PCN	Switch Rating (Amps/Volts)	Max. Continuous Exposure Temp.		Max. Intermittent Exposure Temp.		Wt. (Lbs.)
			°F	°C	°F	°C	
RTAS	389589	22A @ 120 - 480	400	200	500	260	2
RTAS-EP	389597	11A @ 120 - 250	400	200	500	260	2

**Stock Status:** S = stock NS = non-stock  
**To Order**—Specify model, PCN and quantity.