

# Thermostat Installation Instructions



P/N 301 00 154 (12 volt)  
P/N 301 00 153 (24 volt)

## For Heaters

D1LC compact  
D3LC compact  
D5LC  
D8LC

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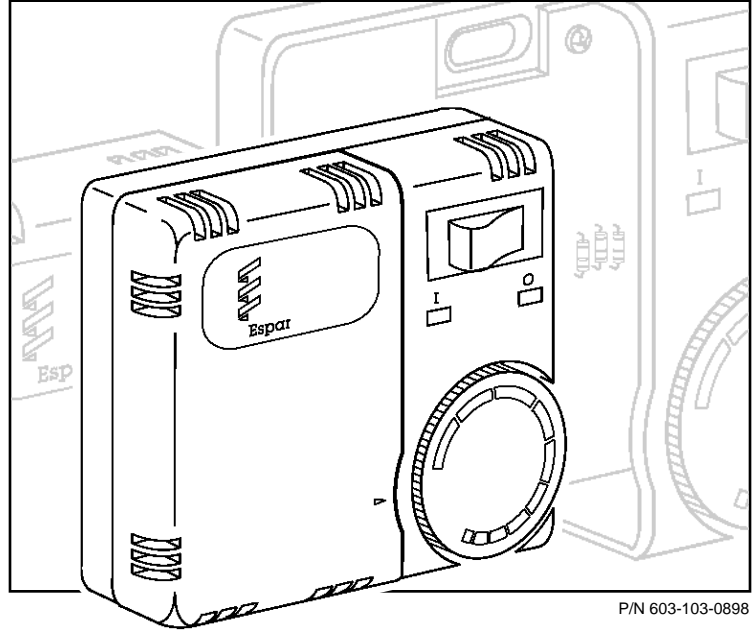
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P/N 603-103-0898

## Thermostat Installation

For installation of thermostats:  
301 00 154 (12 volt)  
301 00 153 (24 volt)

### Step 1

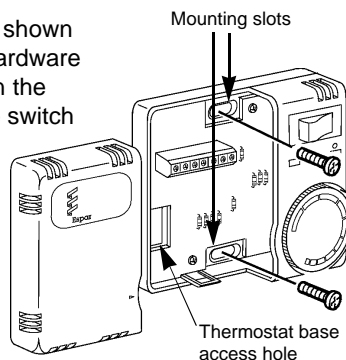
Select a mounting location which will be representative of the average temperature of the area being heated. Avoid mounting near heater outlets, windows, doors, electrical appliances or in areas receiving direct sunlight.

### Step 2

Route the switch harness from the heater to the thermostat mounting location.

### Step 3

Mount the thermostat as shown using proper mounting hardware and the slots provided on the thermostat base. Pull the switch harness through the thermostat base access hole.



### Step 4

Connect the switch harness wires to the thermostat as shown on inside sheet.

Please see operators guide for proper start up and shut down procedures. See technical manual for more technical information

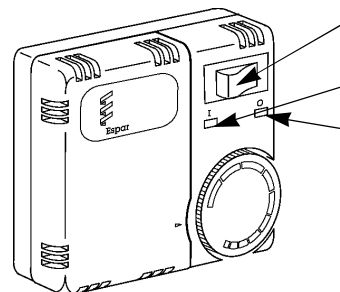
**Note:** These instructions illustrate the use of the **thermostats sensor** to monitor room temperature. Two alternatives are available:

**#1)** Heaters internal sensor - not available for D8LC.

**#2)** Remote external sensor- see technical manual for more details. D5LC heaters may be supplied with this connector connected to the heaters internal temperature sensor. This must first be disconnected to allow connection to the thermostat. The D8LC switch harness by default comes with the wiring for a remote external sensor, this must be disconnected to allow connection to the thermostat.

### Switching on

Turn the on-off switch to the "ON" position. Switch the heaters' temperature setting by adjusting the temperature control dial to the desired temperature range.



On/Off switch

Red operating light

Green diagnostic light

Lowest setting - approx. 50°F  
Mid setting - approx. 65°F  
Highest setting - approx. 85°F

**D1LC and D3LC compacts only.** On OEM installs the 'red' & "green" indicator lights illuminate. On after market installs only the "Red" light illuminates.

**D5LC and D8LC heaters only.** The green light on the thermostat is a blink code diagnostic light. It will provide a fault code if a problem occurs within the heater. Please see corresponding technical manuals for activation, interpretation and recommendation.

- 1 = ground  
 2 = temperature setting  
 3 = diagnostic feed (D5LC and D8LC only)  
 4  
 5 = power  
 6 = switch  
 T = temperature sensor

### D1LC & D3LC Compacts

#### Standard Harness

Blue/White - not used

Brown/White

Grey/Red

Brown - not used

Red

Yellow

Grey

#### Extended Harness (longer than 13 feet)

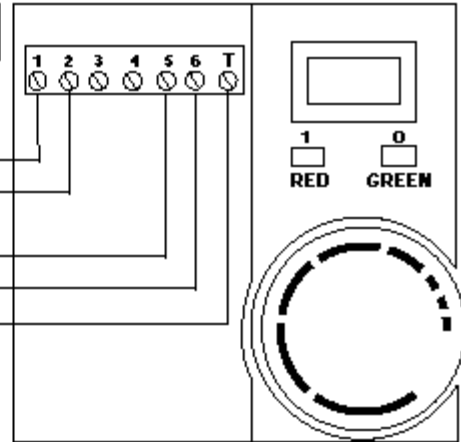
Brown

Grey

Red

Yellow

Black



### D5LC

#### Standard Harness

Brown/White

Grey/Red

Blue/White

Red

Yellow

Black/White

#### Custom Harness

Brown

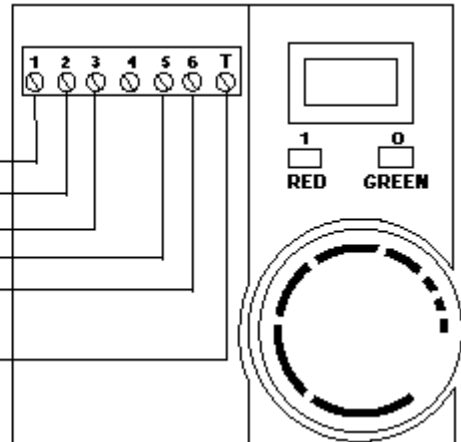
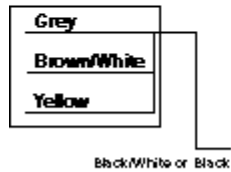
Grey

Blue

Red

Yellow

Black



### D8LC

#### Standard Harness

Brown/White

Grey/Red

Blue/White

Red

Yellow

Black/White

#### Custom Harness

Brown

Grey

Blue

Red

Yellow

Black

- \* discard the remote external sensor wire (grey sleeve that comes stock with every D8LC harness) containing the 2 core black wire and white wire.  
 Remove grey wire and brown wire from pins 6 & 7 at the round connector.  
 Remove black wire at pin 12 and insert into pin 7 at round connector.

←  
 To pin 7 on round connector  
 extending from heater.

