

T8635L Microelectronic Communicating Programmable Thermostat

SPECIFICATION DATA



APPLICATION

The T8635L Microelectronic Communicating Programmable Thermostat supports conventional gas, oil, or electric applications (up to 2H/2C) when used with the W8635A Equipment Interface Module (EIM). See Table 1. The T8635L supports single-stage or multi-stage heat pump applications (up to 2H/1C) when used with the W8635B Equipment Interface Module (EIM). See Table 1.

FEATURES

Use up to three thermostats with required W8635A,B EIM and optional W8703A Damper Interface Module to enable the following features:

- Seven-day programmable.
- Programmable fan.
- On-demand/continuous backlight display.
- Filter indication timer.
- One-touch Daylight Savings Time key.
- Premier White® color.
- Required accessory (not included):
W8635A EIM for up to 2H/2C conventional systems.
W8635B EIM for up to 2H/1C heat pump systems.
- Optional accessories:
C7089B Outdoor Temperature Sensor for outdoor temperature display.
W8703A Damper Interface Module for up to three zones of control.

Table 1. T8635L Thermostat Description.

Model	System	Changeover	System Selection	Fan Selection
T8635L and W8635A	Heat-Cool	Automatic or Manual	Heat-Off-Cool-Auto	On-Auto
T8635L and W8635B	Heat Pump		Heat-Off-Cool-Auto Em. Ht	



SPECIFICATIONS

Input Ratings: 118 to 30 Vac, 50/60 Hz.

Output Ratings:

Heating: Selectable 1-12 cph ($\pm 10\%$). (6 cph default).
 Cooling: Selectable 1-12 cph ($\pm 10\%$). (3 cph default).
 Em. Heat: Selectable 1-12 cph ($\pm 10\%$). (9 cph default).

Humidity Ratings: 5 to 90% RH, noncondensing.

Dimensions: See Fig. 1.

Temperature Ratings:

Shipping: -20 to 120 °F (-28.9 to 48.9°C).
 Operating Ambient: 40° to 110 °F (4.4 ° to 43.3°C).
 Setpoint:
 Heat Range: 40° to 90°F (4.5 to 32°C).
 Cool Range: 45° to 99°F (7 to 37°C).
 Resolution: 1°F (0.5°C).
 Heat-Cool Differential (Auto Changeover): 3°F (2°C) minimum.
 Temperature Display:
 Controlled Temperature: 30° to 110°F (-1.1° to 43.3°C.)
 Outdoor Temperature: -30 ° to 120° F (-34° to 49°C).
 Resolution : 1°F (0.5°C).

Timekeeping:

Accuracy: ± 1.0 minimum per month maximum error.
 Backup: 15 minutes after unit is powered eight hours.

Wiring:

Wire: 18 to 20 AWG thermostat wire.
 Connections:
 Two wires for 24 Vac power (2,3).
 One wire for data (1).

Mounting:

Thermostat mounts on the wallplate:
 Wallplate mounts horizontally using the two no. 6 screws and wall anchors provided.
 Wallplate can also be mounted on horizontal 2 x 4 in. outlet box.

Finish: Premier White® polystyrene.

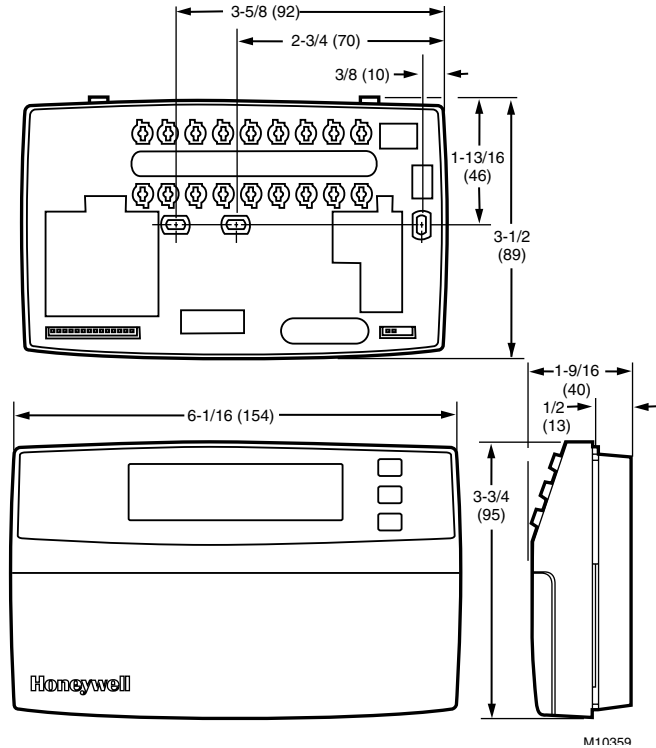


Fig. 1. T8635L dimensions in in. (mm).

Honeywell

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