**Installation Manual**

**EWT-725**

**Installation Tips**

**Wall Locations**

The thermostat should be installed approximately 4 to 5 feet above the floor. Select an area with average temperature and good air circulation.

**Installation Tip**

Pick an installation location that is easy for the user to access. The temperature of the location should be representative of the building.

**Subbase Installation**

- Horizontal Mount
- Vertical Mount

For vertical mount put one screw on the top and one screw on the bottom.

For horizontal mount put one screw on the left and one screw on the right.

**Installation Tip**

Failure to disconnect the power before beginning to install this product can cause electrical shock or equipment damage.

**Mercury Notice**

All of our products are mercury free. However, if the product you are replacing contains mercury, dispose of it properly. Your local waste management authority can give you instructions on recycling and proper disposal.

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**Thermostat Quick Reference**

- LCD Display
- Glow in the dark light button
- Fan Switch
- System Switch
- Easy change battery door
- Temperature Setpoint Buttons

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**Thermostat Application Guide**

<table>
<thead>
<tr>
<th>Description</th>
<th>Power Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>Gas or Oil Heat</td>
<td>Battery Power</td>
</tr>
<tr>
<td>Electric Furnace</td>
<td>Hardwire (Common Wire)</td>
</tr>
<tr>
<td>Heat Pump (No Aux. or Emergency Heat)</td>
<td>Hardwire (Common Wire) with Battery Backup</td>
</tr>
<tr>
<td>Multi-Stage Systems</td>
<td>A trained, experienced technician must install this product.</td>
</tr>
</tbody>
</table>
**Wiring**

**Caution: Electrical Hazard**
Failure to disconnect the power before beginning to install this product can cause electrical shock or equipment damage.

**Warning:**
All components of the control system and the thermostat installation must conform to Class II circuits per the NEC Code.

**Installation Tip**
Do not overtighten terminal block screws, as this can damage the terminal block. A damaged terminal block can keep the thermostat from fitting on the subbase correctly or cause system operation issues.

**Max Torque = 6in-lbs.**

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**Tech Settings**

*This thermostat has a technician setup menu for easy installer configuration. To set up the thermostat for your particular application:*  
1. Press the **MENU** button.  
2. Press and hold **TECH SET** button for 3 seconds. This 3 second delay is designed so that homeowners do not accidentally access the installer settings.  
3. Configure the installer options as desired using the table below.  

Use the **+** or **−** keys to change settings and the **NEXT STEP** or **PREV STEP** key to move from one step to another. **Note:** Only press the **DONE** key when you want to exit the Technician Setup options.

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**Tech Settings**

<table>
<thead>
<tr>
<th>Tech Settings</th>
<th>LCD Will Show</th>
<th>Adjustment Options</th>
<th>Default</th>
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<tbody>
<tr>
<td>Filter Change Reminder</td>
<td><strong>ON</strong></td>
<td>You can adjust the filter change reminder from OFF to 2000 hours of runtime in 50 hour increments. Tap the second button from the top left side of the thermostat to display the current filter elapsed runtime.</td>
<td>OFF</td>
</tr>
<tr>
<td>Room Temperature Calibration</td>
<td><strong>ON</strong></td>
<td>You can adjust the room temperature display. For example, if the thermostat reads 70°F and you would like it to read 72°F, then select +2.</td>
<td>0</td>
</tr>
<tr>
<td>Compressor Short Cycle Delay</td>
<td><strong>ON</strong></td>
<td>The compressor short cycle delay protects the compressor from short cycling. This feature will not allow the compressor to be turned on for 5 minutes after it was last turned off.</td>
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<td><strong>dFCO</strong></td>
<td>0.8</td>
</tr>
<tr>
<td>Heating Swing</td>
<td>The heating swing setting is adjustable from 0.2°F to 2°F. For example: A swing setting of 0.5°F will turn the cooling on at approximately 0.5°F above the setpoint and turn the cooling off at approximately 0.5°F below the setpoint.</td>
<td><strong>dFHE</strong></td>
<td>0.8</td>
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<tr>
<td>Cooling Setpoint Limit</td>
<td>This feature allows you to set a minimum cool setpoint value. The setpoint temperature cannot be raised above this value.</td>
<td><strong>dCO</strong></td>
<td>44</td>
</tr>
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<td>Heating Setpoint Limit</td>
<td>This feature allows you to set a maximum heat setpoint value. The setpoint temperature cannot be lowered below this value.</td>
<td><strong>dHO</strong></td>
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Wiring Diagrams

2H/1C Heat Pump System - Factory Default Setting

Typical 2H/1C Heat Pump System with separate emergency heat

Conventional System 1H/1C, 2H/1C

Features & Private Label Badge

Temporary and Permanent Hold Feature

When cool or heat is turned on, the thermostat will display HOLD and RUN SCHED on the left of your screen when you press the ++ or -- buttons.

Temporary Hold: At this time if you do nothing, the temperature will remain at this setpoint temporarily until next time period.

Permanent Hold: If you press the HOLD key on the left of your screen, you will see HOLD appear below the setpoint temperature in the display. The thermostat will now permanently stay at this setpoint and can be adjusted using the + or - keys.

To Return to Running Schedule: Press the RUN SCHED button on the left of your screen to exit either temporary or permanent hold.

Filter Change Reminder

If your installing contractor has configured the thermostat to remind you when the air filter needs to be changed, you will see FILT appear in the display when your air filter needs to be changed.

Resetting the filter change reminder: When FILT reminder is displayed, you should change your air filter and reset the reminder by holding down the second button from the top left side of the thermostat for 3 seconds.

About The Badge

All of our thermostats use the same universal magnetic badge. Visit the company website to learn more about our free private label program.

Tech Settings

Tech Settings

On the left of your screen when you press the key on the left of your screen, you will see HOLD appear below the setpoint temperature in the display. The thermostat will now permanently stay at this setpoint and can be adjusted using the + or - keys.

To Return to Running Schedule: Press the RUN SCHED button on the left of your screen to exit either temporary or permanent hold.

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Tech Settings

Tech Settings
Programming

Set Time (If using programming)

1. With system switch set to OFF, press the MENU button.
2. Press SET TIME.
3. Day of the week will be flashing. Use the + or - key to select the current day of the week.
4. Press NEXT STEP.
5. The current hour is flashing. Use the + or - key to select the current hour. When using 12-hour time, make sure the correct a.m. or p.m. choice is selected.
6. Press NEXT STEP.
7. Minutes are now flashing. Use the + or - key to select current minutes.
8. Press DONE when completed.

All of our programmable thermostats are shipped with an energy saving pre-program. You can customize this default program by following the steps on page 15.

There are four time periods for each program (WAKE, LEAVE, RETURN, SLEEP).

### Factory Default Program

<table>
<thead>
<tr>
<th>Day of the Week</th>
<th>Events</th>
<th>Time</th>
<th>Setpoint Temperature (HEAT)</th>
<th>Setpoint Temperature (COOL)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Weekday</td>
<td>Wake</td>
<td>6 AM</td>
<td>70°F (21°C)</td>
<td>75°F (24°C)</td>
</tr>
<tr>
<td></td>
<td>Leave</td>
<td>8 AM</td>
<td>62°F (17°C)</td>
<td>83°F (28°C)</td>
</tr>
<tr>
<td></td>
<td>Return</td>
<td>6 PM</td>
<td>70°F (21°C)</td>
<td>75°F (24°C)</td>
</tr>
<tr>
<td></td>
<td>Sleep</td>
<td>10 PM</td>
<td>62°F (17°C)</td>
<td>78°F (26°C)</td>
</tr>
<tr>
<td>Saturday</td>
<td>Wake</td>
<td>6 AM</td>
<td>70°F (21°C)</td>
<td>75°F (24°C)</td>
</tr>
<tr>
<td></td>
<td>Leave</td>
<td>8 AM</td>
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<td>Sleep</td>
<td>10 PM</td>
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<tr>
<td>Sunday</td>
<td>Wake</td>
<td>6 AM</td>
<td>70°F (21°C)</td>
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To customize your program schedule, follow these steps:

1. Select HEAT or COOL with the system switch. **Note:** You have to program heat and cool each separately.
2. Press the MENU button! (If menu does not appear first press RUN SCHED)
3. Press SET SCHED, Note: Monday-Friday or (Monday if in 7 Day) is displayed and the WAKE icon is shown. You are now programming the wake time period for that day.
4. Time is flashing. Use the + or - key to make your time selection for that day’s WAKE time period.
5. Press NEXT STEP.
6. The setpoint temperature is flashing. Use the + or - key to make your setpoint selection for that day’s WAKE time period.
7. Press NEXT STEP.
8. Repeat steps 4 thru 7 for that day’s LEAVE time period, RETURN time period, and SLEEP time period.

If using 7-Day Programming use previous steps for every individual day.

You can also use these time saving functions. You must be in Set Sched Programming Mode (Press Menu >> Press Set Sched) for the following functions to work:

1. To copy ALL time periods and temperatures of current system and day to ALL days, Press and Hold 2nd button down on left until the Days and Time flash.
2. To copy ALL time periods (only times) for ALL days to the opposite system (Heat to Cool / Cool to Heat), Press and hold the Glow in the Dark Light button down until Set Time and Time flash.

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Programming

Set Program Schedule 5+1+1 or 7 Day

To customize your program schedule, follow these steps:

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2. Press the MENU button! (If menu does not appear first press RUN SCHED)
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4. Time is flashing. Use the + or - key to make your time selection for that day’s WAKE time period.
5. Press NEXT STEP.
6. The setpoint temperature is flashing. Use the + or - key to make your setpoint selection for that day’s WAKE time period.
7. Press NEXT STEP.
8. Repeat steps 4 thru 7 for that day’s LEAVE time period, RETURN time period, and SLEEP time period.

Saturday:
Repeat steps 4 through 7 for the Saturday WAKE time period, LEAVE time period, RETURN time period, and for the Saturday SLEEP time period.

Sunday:
Repeat steps 4 through 7 for the Sunday WAKE time period, LEAVE time period, RETURN time period, and for the Sunday SLEEP time period.