Configuration Mode Settings

The setup screens for Configuration Mode are as follows:

1. Temperature Scale (°F or °C)
   - Choose °F or °C.
   - Press the up or down button to select.
   - Press the right button to advance to the next screen.

2. Temperature Differential (°F or °F/°F)
   - Set the number of degrees between your 'target' temperature and your 'setpoint' temperature and your
   'turn-on' temperature.
   - Press the up or down button to set differential value.
   - Press the right button to advance to the next screen.

3. Deadband (°F or °F/°F)
   - Set the number of degrees between your heat setpoint and your cool setpoint in Amber/Green mode.
   - Press the up or down button to set deadband value.
   - Press the right button to advance to the next screen.

4. System – Set for heat-pump, non-heat-pump, reversing valve operation and number of compressor stages in your system.
   - Press the up or down button to select.
   - Press the right button to advance to the next screen.

5. Lockout (off, COOL/HEAT, 0-8°)
   - Choose System – Heat Pump, Non-Heat Pump, or Compressor Stages
   - 0-8° (heat 0-8°F, cool 0-8°F) – Cool/Heat lockout allows adjustment of the set temperature in the
   'heat' side and temperature selected in Step 6 and removing the existing thermostat.
   - 0: Press the up or down button to select.
   - Press the right button to advance to the next screen.

6. Minimum Heat Setpoint (°F or °F/°F)
   - Adjust to control the minimum heat setpoint temperature allowed.
   - Press the up or down button to select.
   - Press the right button to advance to the next screen.

7. Minimum Cool Setpoint (°F or °F/°F)
   - Adjust to control the minimum cool setpoint temperature allowed.
   - Press the up or down button to select.
   - Press the right button to advance to the next screen.

8. Room Temperature Offset (°F or °F/°F)
   - Adjust to eliminate display room temperature to match actual room temperature.
   - Press the right button to advance to the next screen.

9. Clock
   - Press the up or down button to select.
   - Press the right button to advance to the next screen.

10. Programming
    - Press the up or down button to select.
    - Press the right button to advance to the next screen.

11. Language
    - Press the up or down button to select.
    - Press the right button to advance to the next screen.

12. Clock
    - Press the up or down button to select.
    - Press the right button to advance to the next screen.

13. 4-Wire, 3-Stage heating and cooling system.
    - Press the up or down button to select.
    - Press the right button to advance to the next screen.

14. Display enhancement features
    - Press the up or down button to select.
    - Press the right button to advance to the next screen.

15. Test mode
    - Press the up or down button to select.
    - Press the right button to advance to the next screen.

16. Factory default
    - Press the up or down button to select.
    - Press the right button to advance to the next screen.

17. Password
    - Press the up or down button to select.
    - Press the right button to advance to the next screen.

18. Version
    - Press the up or down button to select.
    - Press the right button to advance to the next screen.

19. Return to home screen
    - Press the up or down button to select.
    - Press the right button to advance to the next screen.

20. Exit configuration mode
    - Press the up or down button to select.
    - Press the right button to advance to the next screen.

21. Testing
    - Press the up or down button to select.
    - Press the right button to advance to the next screen.

22. Service
    - Press the up or down button to select.
    - Press the right button to advance to the next screen.

23. Diagnostics
    - Press the up or down button to select.
    - Press the right button to advance to the next screen.

24. Support
    - Press the up or down button to select.
    - Press the right button to advance to the next screen.

25. Help
    - Press the up or down button to select.
    - Press the right button to advance to the next screen.

26. About
    - Press the up or down button to select.
    - Press the right button to advance to the next screen.
1. Press SYS (left) button until mode is displayed.
2. Adjust set temperature so it is 5 degrees above the room temperature.
3. Heat should come on within a few seconds. Red LED may turn on.
4. Adjust the set temperature 2 degrees above the room temperature and the heat should turn on. There may be a fan delay on your system.

**CAUTION!**

Heat should turn off when the call for cooling is present (see Setting 4).

**Symptom**

- No response with first button
- No response with first button press

**Remedy**

- Verify wiring is correct, verify (SC4011) unit is in place (for single transformer system)
- Verify outdoor sensor is accurate
- Verify outdoor sensor is correct
- Verify outdoor sensor is correct

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### Lockout Feature

The SC4011 Pro has a button lockout feature so the mode cannot be changed and the temperature adjustment is locked. Select the appropriate lockout from Configuration Mode Settings (Step 5) of this guide.

**To activate the lockout feature:**
1. Simultaneously press the SYS, FAN and UP buttons for 10 seconds.
2. Get display and the lockout function will be enabled.
3. To deactivate the lockout feature, repeat steps 1 and 2 above.

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### SimpleSet™ Field Programming

Requires SimpleSet™ Transfer Cable (ACC-WIH21)

This feature is used to transfer the configuration from the master to the target thermostat. All thermostats for a job can be mounted and powered up. Configure one thermostat. This will be the master. The master will be used to copy the configuration to the rest of the thermostats.

**Preparing the master to Send:**

1. The master must be powered on 24 VAC.
2. Verify the master thermostat is in OFF mode.
3. Press SYS (left) button until OFF mode displays.
4. Move over to the master thermostat by pressing the SYS (left) button. The word FAN shows on the display and the fan icon appears when the fan operates.

**Heat Test**

- This mode, the thermostat controls the heating system. When the heat output, the flame icon appears on the display.
- For Heat pumps, there is a four minute delay for your compressor to restart after it has turned off.

**Cool Test**

- In this mode, the thermostat controls the cooling system. When the cooling output displays, the flame icon appears on the display.
- For Heat pumps, there is a four minute delay for your compressor to restart after it has turned off.

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### Troubleshooting

<table>
<thead>
<tr>
<th>Symptom</th>
<th>Remedy</th>
</tr>
</thead>
<tbody>
<tr>
<td>No display</td>
<td>Check for 24 VAC at thermostat, display is blank when 24 VAC is present</td>
</tr>
<tr>
<td>All thermostats are inoperative</td>
<td>Verify 24 VAC at thermostat, check interlock at 24 VAC not present</td>
</tr>
<tr>
<td>No response with first button press</td>
<td>Verify 24 VAC at thermostat, check interlock at 24 VAC not present</td>
</tr>
<tr>
<td>Thermostat turn on or off too frequently</td>
<td>Adjust temperature differential (see Configuration Mode Setting 2)</td>
</tr>
<tr>
<td>Fan turns continuously</td>
<td>Press FAN (right) button to turn fan off</td>
</tr>
<tr>
<td>Status indicator light not on during call</td>
<td>Turn status indicator function on (see Configuration Mode Setting 1)</td>
</tr>
<tr>
<td>Room temperature not correct</td>
<td>Calibrate thermostat (see Configuration Mode Setting 5)</td>
</tr>
<tr>
<td>Fan delay when any button is pressed</td>
<td>If remote sensor is used, check 51 and 53 terminal connections</td>
</tr>
<tr>
<td>Soft Start is not used (instead of room TP switch)</td>
<td>If remote sensor is used, check 51 and 53 terminal connections</td>
</tr>
<tr>
<td>Heat or Cool not coming on</td>
<td>Verify wiring is correct, verify (SC4011) unit is in place (for single transformer system)</td>
</tr>
</tbody>
</table>

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### FIVE-YEAR LIMITED WARRANTY

The Seller warrants its products against defects in material or craftsmanship for a period of five (5) years from the date of manufacture. The Seller shall have the option to replace or repair any defective product, at its expense, free of charge, and to refund any portion of the purchase price of the goods which are being provided for servicing. The warranty is not transferable. The Seller is not responsible for defects or damage caused by misuse, natural wear and tear, incorrect installation or servicing in violation of the Seller’s instructions, neglect, improper storage, tampering, change in operating condition, disassembly or repairs not performed by Seller. The Seller shall not be responsible for loss of product, improper installation or general use. The Buyer has no remedy against the Buyer for any personal injury or property damage caused by the Seller’s breach of any warranty. This warranty shall not apply to the Buyer or Buyer’s customers if sold to Buyer by the Seller for resale. The Buyer shall, at its expense, make all repairs and replacements necessary. The Seller shall not be liable for any loss or damage to the Buyer or Buyer’s customers if sold to Buyer by the Seller for resale.

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**Patent No.** - Thermal Intrusion Barrier: 6,597,275
**Patent No.** - Design: 424,953

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