**FIGURE 1:** CARRIER THERMIDISTAT - CONFIGURED AS 2 STAGE HEAT, 1 STAGE COOL (NON-HEATPUMP)
WIRED TO ZONE 1 ON UZC-3C

**WIRING DIAGRAM**

**UZC-3C ONE-ZONE MODE INPUT**

![Wiring Diagram](image)

**TABLE: EQUIPMENT SELECTION**

<table>
<thead>
<tr>
<th>Equipment Selection</th>
<th>1 Speed Cooling</th>
<th>2 Speed Cooling</th>
<th>1 Speed Heatpump</th>
<th>2 Speed Heatpump</th>
</tr>
</thead>
<tbody>
<tr>
<td>Thermostat Connections</td>
<td>FIGURE 1</td>
<td>FIGURE 2</td>
<td>FIGURE 3</td>
<td>FIGURE 4</td>
</tr>
<tr>
<td>FK/FV Series Fan Coil</td>
<td>FIGURE 5</td>
<td>FIGURE 6</td>
<td>FIGURE 7</td>
<td>FIGURE 8</td>
</tr>
<tr>
<td>Variable-Speed 2 Stage Non-Condensing Furnace</td>
<td>FIGURE 9</td>
<td>FIGURE 10</td>
<td>FIGURE 11</td>
<td>FIGURE 12</td>
</tr>
<tr>
<td>Variable-Speed 2 Stage Condensing Furnace</td>
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<td>FIGURE 14</td>
<td>FIGURE 15</td>
<td>FIGURE 16</td>
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<tr>
<td>Variable-Speed 2 Stage Condensing Furnace WITH DE CONNECTION</td>
<td>FIGURE 17</td>
<td>FIGURE 18</td>
<td>FIGURE 19</td>
<td>FIGURE 20</td>
</tr>
</tbody>
</table>

**NOTES:**

- AFR1 - DPDT Relay W/ 24VAC Coil
- Optional - Energizes Panel to One Zone Mode so all Zones Gain Dehumidification when Called
- Relay Required if Emergency Heat Activation is Desired through Thermidistat, otherwise use Emergency Heat Switch on the UZC-3 Control
- Recommended Dip Switch Settings for Particular Application. * indicates required setting
- Do not connect equipment common ('COM' or 'C') to NCM-300
- No jumper required if 'RC/RH' link is not cut
- Outdoor bulb thermostat 35°F – SPDT
- Supply mounted bonnet thermostat 140°F
- Refer to Carrier Installation Instruction for details on setting up dehumidification
- Fossil fuel kits can be used in place of outdoor T'Stat and bonnet T'Stat
- Contact technical support for information
- Outdoor bulb thermostat 35°F – SPDT
- Supply mounted bonnet thermostat 140°F

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**FIGURE 2:** CARRIER THERMIDISTAT - CONFIGURED AS 2 STAGE HEAT, 2 STAGE COOL (NON-HEATPUMP) WIRED TO ZONE 1 ON UZC-3C

**FIGURE 3:** CARRIER THERMIDISTAT - CONFIGURED AS 1 STAGE COMPRESSOR HEATPUMP WIRED TO ZONE 1 ON UZC-3C
FIGURE 4: CARRIER THERMIDISTAT - CONFIGURED AS 2 STAGE COMPRESSOR HEATPUMP WIRED TO ZONE 1 ON UZC-3C
FIGURE 9: VARIABLE-SPEED 2-STAGE NON-CONDENSING FURNACE W/ 1-SPEED AIR CONDITIONER

FIGURE 10: VARIABLE-SPEED 2-STAGE NON-CONDENSING FURNACE W/ 2-SPEED AIR CONDITIONER

UZC-3C HVAC SYSTEM OUTPUT

RECOMMENDED DIP SWITCH SETTINGS

ANY FANCTL Z1
TS 2NDSTG TM
YES EM SW NO
HC ZITS HP
O RV B
ZC FCONT ALL
GAS FAN DEL
GE SYSTEM HP

EM SW
Z1TS
RV
FCONT
FAN
SYSTEM
*Z1
TM
NO
HP
B
ALL
EL
HP
*ANY
TS
YES
HC
O
ZC
GAS
GE

1 SPEED COMPRESSOR

2 SPEED COMPRESSOR

W2
W/W1
Y/Y2
G
R
COM
HUM

W2
W/W1
Y/Y2
G
R
COM
HUM

W3
Y2
W2
EM
O
B
Y1
G
W1
RC
RH

FURNACE BOARD

PL9-10
DEHUM

DEHUM
**FIGURE 11**: VARIABLE-SPEED 2-STAGE NON-CONDENSING FURNACE W/ 1-SPEED HEATPUMP (DUAL FUEL)

**FIGURE 12**: VARIABLE-SPEED 2-STAGE NON-CONDENSING FURNACE W/ 2-SPEED HEATPUMP (DUAL FUEL)
FIGURE 15: VARIABLE-SPEED 2-STAGE CONDENSING FURNACE
--W/O DE CONNECTION-- W/ 1-SPEED HEATPUMP (DUAL FUEL)

FIGURE 16: VARIABLE-SPEED 2-STAGE CONDENSING FURNACE
--W/O DE CONNECTION--W/ 2-SPEED HEATPUMP (DUAL FUEL)

RECOMMENDED DIP SWITCH SETTINGS

<table>
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<tr>
<th>Setting</th>
<th>Description</th>
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<tbody>
<tr>
<td>4</td>
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<tr>
<td>5</td>
<td>COTME</td>
</tr>
<tr>
<td>1</td>
<td>FANCTL</td>
</tr>
<tr>
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<td>2NDSTG</td>
</tr>
<tr>
<td>3</td>
<td>YES</td>
</tr>
<tr>
<td>4</td>
<td>EM SW</td>
</tr>
<tr>
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<td>NO</td>
</tr>
<tr>
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<td>HP</td>
</tr>
<tr>
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<td>ALL</td>
</tr>
<tr>
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<td>FCONT</td>
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<tr>
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<td>Y</td>
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<td>SYS</td>
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<tr>
<td>11</td>
<td>PURGE</td>
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<td>12</td>
<td>PNL</td>
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</tbody>
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UZC-3C DEHUMIDIFICATION
W/ CARRIER THERMIDISTAT

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FIGURE 17: VARIABLE-SPEED 2-STAGE CONDENSING FURNACE
--W/ DE CONNECTION-- W/ 1-SPEED AIR CONDITIONER

FIGURE 18: VARIABLE-SPEED 2-STAGE CONDENSING FURNACE
--W/ DE CONNECTION-- W/ 2-SPEED AIR CONDITIONER