AUTOMATIC TRAVEL CLAMP SCHEMATICS
WITH HWH ROOM EXTENSIONS
325 / 625 LEVELING SYSTEMS
OR
NO LEVELING SYSTEM

CAUTION!
UNDERSTAND OPERATOR'S MANUAL BEFORE USING. KEEP PEOPLE AND OBSTRUCTIONS CLEAR OF ROOM WHEN OPERATING.

CONTROL BOX AP29038

HWH CORPORATION
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ROOM CONTROL PANEL

ROOMS WITH TRAVEL CLAMPS

 WHEN RETRACTING THE ROOM RELEASE

SWITCH WHEN BOTH LIGHTS COME ON

UNDERSTAND OPERATOR’S MANUAL BEFORE
USING. KEEP PEOPLE AND OBSTRUCTIONS
CLEAR OF ROOM WHEN OPERATING.

CAUTION!

TO CN1 - CN2 OR CN3
ON 325 AND 625 MAIN
CONTROL BOXES

CLAMP CONTROL BOX

NOTE: SW1 AND SW2 CLAMP LIMIT
SWITCHES ARE OPEN WHEN THE
CLAMP IS FULLY RETRACTED.

LEFT ROOM CLAMP

RIGHT ROOM CLAMP

TO ROOM IN SWITCH. NORMALLY OPEN
MAGNETIC SWITCH. CONTACTS CLOSED
WHEN ROOM IS
RETRACTED.

MP85.223E
13FEB12
## Electrical Connection Diagram

### Room Control Panel - Travel Clamp Control Box - Pin Outs

#### Room Control Panel

![Room Control Panel Diagram](image)

<table>
<thead>
<tr>
<th>PIN #</th>
<th>Wire Color</th>
<th>Wire Number</th>
<th>Wire Description and Function</th>
</tr>
</thead>
<tbody>
<tr>
<td>CN2</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>BLACK</td>
<td>5202</td>
<td>Ground for Room Panel Indicator Lights Retract Only</td>
</tr>
<tr>
<td>2</td>
<td>RED</td>
<td>6100</td>
<td>Switched +12 to Room Control Panel</td>
</tr>
<tr>
<td>3</td>
<td>BLACK</td>
<td>7501</td>
<td>Switched +12 to Room Clamp Control Box Room Extend</td>
</tr>
<tr>
<td>4</td>
<td>BLACK</td>
<td>5200</td>
<td>+12 For Right Room Clamp Indicator Light Clamp Extended</td>
</tr>
<tr>
<td>5</td>
<td>BLACK</td>
<td>7502</td>
<td>Switched +12 to Room Clamp Control Box Room Retract</td>
</tr>
<tr>
<td>6</td>
<td>BLACK</td>
<td>5201</td>
<td>+12 For Left Room Clamp Indicator Light Clamp Extended</td>
</tr>
</tbody>
</table>

#### Travel Clamp Control Box

![Travel Clamp Control Box Diagram](image)

<table>
<thead>
<tr>
<th>PIN #</th>
<th>Wire Color</th>
<th>Wire Number</th>
<th>Wire Description and Function</th>
</tr>
</thead>
<tbody>
<tr>
<td>CN1</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>WHITE</td>
<td>6230</td>
<td>Ground to Room Clamp Control Box</td>
</tr>
<tr>
<td>2</td>
<td>RED</td>
<td>6100</td>
<td>+12 Battery to Room Clamp Control Box</td>
</tr>
<tr>
<td>3</td>
<td>BLACK</td>
<td>5000</td>
<td>Switched +12 to Main Control Box Room Extend</td>
</tr>
<tr>
<td>4</td>
<td>WHITE</td>
<td>6230</td>
<td>Ground to Room Clamp Control Box</td>
</tr>
<tr>
<td>5</td>
<td>RED</td>
<td>6100</td>
<td>+12 Battery to Room Clamp Control Box</td>
</tr>
<tr>
<td>6</td>
<td>BLACK</td>
<td>5100</td>
<td>Switched +12 to Main Control Box Room Retract</td>
</tr>
<tr>
<td>7</td>
<td>WHITE</td>
<td>6230</td>
<td>Ground to Room Clamp Control Box</td>
</tr>
<tr>
<td>8</td>
<td>RED</td>
<td>6100</td>
<td>+12 Battery to Room Clamp Control Box</td>
</tr>
<tr>
<td>9</td>
<td>BLACK</td>
<td>8601</td>
<td>Switched +12 to Main Control Box Pump Control</td>
</tr>
</tbody>
</table>

| CN2   |            |             |                              |
| 1     | BLACK      | 5202        | Ground for Room Panel Indicator Lights Retract Only |
| 2     | RED        | 6100        | +12 Battery to Room Control Panel |
| 3     | BLACK      | 7501        | Switched +12 to Room Clamp Control Box Room Extend |
| 4     | BLACK      | 5200        | +12 For Right Room Clamp Indicator Light Clamp Extended |
| 5     | BLACK      | 7502        | Switched +12 to Room Clamp Control Box Room Retract |
| 6     | BLACK      | 5201        | +12 For Left Room Clamp Indicator Light Clamp Extended |

| CN3   |            |             |                              |
| 1     | BLACK      | 5754        | No Connection |
| 2     | BLACK      | 5300        | Clamp Limit Switches (+12) With Clamp Extended |
| 3     | BLACK      | 5200        | Clamp Extend (+12) - Clamp Retract (Ground) |
| 4     | BLACK      | 5201        | Right Clamp Retract (+12) - Right Clamp Extend (Ground) |
| 5     | BLACK      | 5300        | Left Clamp Retract (+12) - Left Clamp Extend (Ground) |
| 6     | BLACK      | 5300        | Clamp Extend (+12) - Clamp Retract (Ground) |

| CN4   |            |             |                              |
| 1     | BLACK      | 6121        | No Connection |
| 2     | BLACK      | 5703        | Switched +12 Battery to Room in Switch (Retract Only) |
| 3     | BLACK      | 5703        | Switched +12 With Room In |

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MP85.224E

13FEB12
ROOM RETRACTED
CLAMPS EXTENDED
(ROOM CLAMPED)
ROOM/CLAMP KEY SWITCH ON

NOTE: SW-1 AND SW-2 ARE CLOSED UNLESS THE CLAMPS ARE FULLY RETRACTED (ROOM UNCLAMPED)

SW1 AND SW2 ARE LIMIT SWITCHES ON THE ROOM CLAMP ASSEMBLIES
ROCKER SWITCH TO EXTEND
ROOM RETRACTED
CLAMPS START RETRACTING
(UNCLAMP ROOM)

RET - ROOM RETRACT
EXT - ROOM EXTEND
PMP - PUMP

HWH CONTROL BOX 325/625

ROOM IN LIMIT SWITCH (SW3) - CLOSED WHEN ROOM IS FULLY RETRACTED

SW1-1 (NC)
SW2-1 (NC)

SW1 AND SW2 ARE LIMIT SWITCHES ON THE ROOM CLAMP ASSEMBLIES

NOTE: SW-1 AND SW-2 ARE CLOSED UNLESS THE CLAMPS ARE FULLY RETRACTED (ROOM UNCLAMPED)

CR# - RELAY COIL
CR# - # - RELAY CONTACT
PF# - POLY FUSE
CN# - # - CONNECTION & PIN #
LD1 & 2 - CONTROL PANEL LEDS
M1 - RIGHT CLAMP MOTOR
M2 - LEFT CLAMP MOTOR

+12 GROUND
ROCKER SWITCH TO EXTEND CLAMPS FULLY RETRACTED

ROOM EXTENDING

NOTE: SW-1 AND SW-2 ARE CLOSED UNLESS THE CLAMPS ARE FULLY RETRACTED (ROOM UNCLAMPED)

SW1 AND SW2 ARE LIMIT SWITCHES ON THE ROOM CLAMP ASSEMBLIES

ROOM IN LIMIT SWITCH (SW3) - CLOSED WHEN ROOM IS FULLY RETRACTED
ROCKER SWITCH TO RETRACT
ROOM FULLY RETRACTED
ROOM IN SWITCH IS MADE
CLAMPS START EXTENDING
(CLAMP ROOM)

NOTE: The pump will
run for (5) five seconds
after the room is fully
retracted.

RET - ROOM RETRACT
EXT - ROOM EXTEND
PMP - PUMP

 WP1 - PUMP
 WP2 - ROOM EXTEND RETRACT
 WP3 - ROOM IN LIMIT SWITCH (SW3) - CLOSED WHEN ROOM IS FULLY RETRACTED

NOTE: SW-1 AND SW-2 STAY
OPEN UNTIL THE CLAMPS ARE FULLY RETRACTED (ROOM CLAMPED)
SW1 AND SW2 ARE LIMIT SWITCHES ON THE ROOM CLAMP ASSEMBLIES
ROCKER SWITCH TO RETRACT CLAMPS EXTENDING
(CLAMP ROOM)
5 SECONDS AFTER ROOM IN SWITCH IS MADE

RET - ROOM RETRACT
EXT - ROOM EXTEND
PMP - PUMP

ROOM IN LIMIT SWITCH (SW3) - CLOSED WHEN ROOM IS FULLY RETRACTED
ROCKER SWITCH TO RETRACT CLAMPS FULLY EXTENDED (ROOM CLAMPED) ROOM PANEL LED'S ON

RET - ROOM RETRACT
EXT - ROOM EXTEND
PMP - PUMP

NOTE: SW-1 AND SW-2 ARE CLOSED WHEN THE CLAMPS ARE FULLY EXTENDED (ROOM CLAMPED) SW1 AND SW2 ARE LIMIT SWITCHES ON THE ROOM CLAMP ASSEMBLIES

ROOM IN LIMIT SWITCH (SW3) - CLOSED WHEN ROOM IS FULLY RETRACTED