MANUAL TRAVEL CLAMPS
WITH HWH ROOM EXTENSIONS

FEATURING:
Two Rocker Switch Control Panel
325/625 Leveling System
or
No Leveling System

HYDRAULIC ROOM EXTENSION

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

LOCK
UNLOCK
EXTEND
RETRACT
ELECTRICAL CONNECTION DIAGRAM

ROOM EXTENSION CONTROL WITH TRAVEL CLAMPS

NOTE: THERE IS A SEPARATE PANEL AND HARNESS CONNECTIONS FOR EACH ROOM EXTENSION WITH TRAVEL CLAMPS.

SEE ELECTRICAL CONNECTION DIAGRAM
ROOM EXTENSION CONTROL PANEL SWITCH CONNECTIONS

TO CN1 AND CN2 - 12PIN BLACK CONNECTORS ON THE SIDE OF THE CONTROL BOX

SEE ELECTRICAL CONNECTION DIAGRAM - ROOM EXTENSION CONTROL WITH TRAVEL CLAMPS - CONNECTION INFORMATION FOR WIRE FUNCTIONS

NOTE: SW 1 AND SW 2 ARE CLOSED UNTIL THE LOCK IS FULLY RETRACTED.
SW 1-2 AND SW 2-2 ARE CLOSED ONLY WHEN THE LOCK IS FULLY RETRACTED.
CLAMP POLY FUSES WILL OPEN WHEN TRAVEL CLAMP IS COMPLETELY EXTENDED.

NOTE: SW 1-2 AND SW 2-2 ARE CLOSED ONLY WHEN THE LOCK IS FULLY RETRACTED.
CLAMP POLY FUSES WILL OPEN WHEN TRAVEL CLAMP IS COMPLETELY EXTENDED.
### Electrical Connection Diagram

**Room Extension Control with Travel Clamps**

**Connection Information**

#### CN1 - 6 Pin UML Connector

<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>1</td>
<td>RED</td>
<td>6100</td>
<td>+12 Battery to Right Clamp Switch 1-2</td>
</tr>
<tr>
<td>2</td>
<td>BLACK</td>
<td>5300</td>
<td>Clamp Motor Supply - Unlock (Ground) - Lock (+12)</td>
</tr>
<tr>
<td>3</td>
<td>BLACK</td>
<td>5200</td>
<td>Clamp Motor Supply - Unlock (+12) - Lock (Ground)</td>
</tr>
<tr>
<td>4</td>
<td>BLACK</td>
<td>7503</td>
<td>+12 Volts to Room Control Switch - Pump Control</td>
</tr>
<tr>
<td>5 AND 6</td>
<td></td>
<td></td>
<td>No Connection</td>
</tr>
</tbody>
</table>

#### CN2 - 9 Pin UML Connector

<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>1 AND 2</td>
<td>WHITE</td>
<td>6230</td>
<td>Ground to Room Clamp Control Switch</td>
</tr>
<tr>
<td>3 AND 4</td>
<td>RED</td>
<td>6100</td>
<td>+12 Battery to Room Control Switches</td>
</tr>
<tr>
<td>5</td>
<td>BLACK</td>
<td>5000</td>
<td>Switched +12 to Control Box for Room Cyl Ext Sol Valve</td>
</tr>
<tr>
<td>6</td>
<td>BLACK</td>
<td>5100</td>
<td>Switched +12 to Control Box for Room Cyl Ret Sol Valve</td>
</tr>
<tr>
<td>7</td>
<td>BLACK</td>
<td>8601</td>
<td>Switched +12 for Pump Control from Room Control Switch</td>
</tr>
<tr>
<td>8 AND 9</td>
<td>RED</td>
<td>6810</td>
<td>Switched +12 from Pump Relay to Room Control Switch</td>
</tr>
</tbody>
</table>

#### CN3 - 9 Pin UML Connector

<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>1</td>
<td>BLACK</td>
<td>5200</td>
<td>Right Clamp Motor Supply - Unlock (+12) - Lock (Ground)</td>
</tr>
<tr>
<td>2</td>
<td>RED</td>
<td>6100</td>
<td>+12 Volts to Right Clamp Switch 1-2</td>
</tr>
<tr>
<td>3</td>
<td>BLACK</td>
<td>7502</td>
<td>Switched +12V from Right Clamp SW 1-2 to Left Clamp Switch 2-2</td>
</tr>
<tr>
<td>4</td>
<td>BLACK</td>
<td>7503</td>
<td>Switched +12V from Left Clamp Switch 2-2 to Room Control Switch</td>
</tr>
<tr>
<td>5</td>
<td>BLACK</td>
<td>5300</td>
<td>Right Clamp Motor Supply - Unlock (Ground) - Lock (+12)</td>
</tr>
<tr>
<td>6</td>
<td>BLACK</td>
<td>5300</td>
<td>To Left Clamp Motor Supply - Unlocked (Ground) - Lock (+12)</td>
</tr>
<tr>
<td>7</td>
<td>BLACK</td>
<td>7503</td>
<td>Switched +12 Volts from Left Clamp Switch 2-2</td>
</tr>
<tr>
<td>8</td>
<td>BLACK</td>
<td>5200</td>
<td>To Left Clamp Motor Supply - Unlock (+12) - Lock (Ground)</td>
</tr>
<tr>
<td>9</td>
<td></td>
<td></td>
<td>No Connection</td>
</tr>
</tbody>
</table>

#### CN4 - 6 Pin UML Connector

<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>1</td>
<td>BLACK</td>
<td>5200</td>
<td>Left Clamp Motor Supply - Unlock (+12) - Lock (Ground)</td>
</tr>
<tr>
<td>2</td>
<td>BLACK</td>
<td>7502</td>
<td>Switched +12V from Right Clamp SW 1-2 to Left Clamp SW 2-2</td>
</tr>
<tr>
<td>3</td>
<td>BLACK</td>
<td>7503</td>
<td>Switched +12V from Left Clamp Switch 2-2 to Room Control Switch</td>
</tr>
<tr>
<td>4</td>
<td>BLACK</td>
<td>5300</td>
<td>Left Clamp Motor Supply - Unlock (Ground) - Lock (+12)</td>
</tr>
<tr>
<td>5 AND 6</td>
<td></td>
<td></td>
<td>No Connection</td>
</tr>
</tbody>
</table>

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ELECTRICAL CONNECTION DIAGRAM
ROOM EXTENSION CONTROL PANEL
SWITCH CONNECTIONS

(REVERSE) ROOM EXTENSION CONTROL PANEL

NOTE: SEE ELECTRICAL CONNECTION
DIAGRAM - ROOM EXTENSION CONTROL
WITH TRAVEL CLAMPS - CONNECTION
INFORMATION FOR WIRE FUNCTIONS

TRAVEL CLAMP SWITCH CONNECTIONS

BEND POINT FOR FOOT ADJUSTMENT

SW1-2 NO (BLUE) 7502
SW2-2 NO (BLUE) 7503
SW1 NC (YELLOW)
SW2 NC (YELLOW)

ADPDT0
UNIMAX

SW1-2 COM (BLUE) 6230
SW2-2 COM (BLUE) 7502
SW1 COM (YELLOW) 5200
SW2 COM (YELLOW) 5200
ROOM RETRACTED
CLAMP SWITCH PUSHED TO "UNLOCK"
CLAMPS START TO RETRACT

ROOM CONTROL PANEL
CLAMP SWITCH
UNLOCK   LOCK

CLAMP SWITCH
UNLOCK
LOCK

ROOM SWITCH
RETRACT  EXTEND

ROOM SWITCH
RETRACT
EXTEND

PIN6-1 (6100)
P6-2 (5300)

PIN6-3 (5200)

PIN9-3 (6100)
PIN9-4 (6100)
PIN9-1 (6230)
PIN9-2 (6230)

PIN9-5 (5000)
P9-6 (6100)
P9-8 (6100)
P9-9 (6230)

PIN6-4 (7503)
P6-7 (6601)

SW1 AND SW2 CLOSED WITH CLAMP EXTENDED
SW1-2 AND SW2-2 OPEN WITH CLAMP EXTENDED

LEFT TRAVEL CLAMP

SW2 (NC)

Pin1

Pin2

Pin3

Pin4

Pin5

Pin6

Pin7

PF1

PF2

RIGHT TRAVEL CLAMP

SW1-2 (NO)

Pin1

Pin2

Pin3

Pin4

Pin5

PF1

PF2

Pin6

Pin7

Pin8

Pin9

SW1 (NC)

M# - CLAMP MOTOR

+12 - GROUND
PF# - POLY FUSE
M# - CLAMP MOTOR

PUMP RELAY

FUSE 40A

+12 BATTERY

PUMP RELAY

HWH CONTROL BOX

FUSE 40A

+12 BATTERY

PUMP RELAY

HWH CONTROL BOX

FUSE 40A

+12 BATTERY

PUMP RELAY

HWH CONTROL BOX

FUSE 40A

+12 BATTERY

PUMP RELAY

HWH CONTROL BOX

FUSE 40A

+12 BATTERY

PUMP RELAY

HWH CONTROL BOX

FUSE 40A

+12 BATTERY

PUMP RELAY

HWH CONTROL BOX

FUSE 40A

+12 BATTERY

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FUSE 40A

+12 BATTERY

PUMP RELAY

HWH CONTROL BOX

FUSE 40A

+12 BATTERY

PUMP RELAY

HWH CONTROL BOX

FUSE 40A

+12 BATTERY

PUMP RELAY
SW1 AND SW2 OPEN WITH CLAMP FULLY RETRACTED
SW1-2 AND SW2-2 CLOSED WITH CLAMP FULLY RETRACTED
CLAMPS FULLY RETRACTED

ROOM SWITCH PUSHED TO "EXTEND"

ROOM CONTROL PANEL

CLAMP SWITCH
UNLOCK  LOCK

ROOM SWITCH
RETRACT  EXTEND

PUMP RELAY

RIGHT TRAVEL CLAMP

SW1-2 (NO)

LEFT TRAVEL CLAMP

SW2-2 (NO)

PMP  - PUMP RELAY
RET  - ROOM RETRACT
EXT  - ROOM EXTEND

M# - CLAMP MOTOR
PF# - POLY FUSE
+12 - GROUND

FUSE 40A

+12 BATTERY

HWH CONTROL BOX

+12 BATTERY
SW1 AND SW2 OPEN WITH CLAMP FULLY RETRACTED
SW1-2 AND SW2-2 CLOSED WITH CLAMP FULLY RETRACTED

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SW1-2 AND SW2-2 CLOSED WITH CLAMP FULLY RETRACTED

SW1 AND SW2 OPEN WITH CLAMP FULLY RETRACTED
SW1-2 AND SW2-2 CLOSED WITH CLAMP FULLY RETRACTED
ROOM RETRACTED

CLAMP SWITCH PUSHED TO "LOCK"

CLAMP STARTS TO EXTEND

ROOM CONTROL PANEL

CLAMP SWITCH
UNLOCK  LOCK

YELLOW
SW1 (NC)
M1
PIN1
PIN2
PIN3
PIN4
PIN5
PIN6
PIN7
PF1
PF2
SW1-2 (NO)
(5200)
(5200)
(6100)
(6100)
(7502)
(6100)
(6100)
(6100)
(7503)
(7503)
(7502)
(7503)
(7503)

ROOM SWITCH
RETRACT  EXTEND

HWH CONTROL BOX

FUSE 40A
(6100)

PUMP RELAY

M#
- CLAMP MOTOR

+12 BATTERY

GROUND

PF# - POLY FUSE

PMP - PUMP RELAY

RET - ROOM RETRACT

EXT - ROOM EXTEND