TV LIFT (TY-01)
ASSEMBLY INSTRUCTIONS

DIMENSIONS IN INCHES

SPECIFICATIONS:

- Dynamic load push (lbs) 130
- Static load (lbs) 150
- Speed at full load (inches/sec) 0.98
- Input (VAC) 110 or 230
- Stroke length (inches) 39"
- Retracted length (inches) 31.89"
- Colour Black
- Overload protection Yes
- Duty cycle 10%
- Tube material Powder painted steel tube
- IP grade IP20
- Operating temperature +5°C - +40°C
- Standart CE/UL
- Remote RF remote

HOW TO ORDER
1.800.676.6123
sales@progressiveautomations.com
www.progressiveautomations.com

Control box
Wireless remote
TOOLS REQUIRED

- Allen Wrenches M6 M8
- Philips head screw

HARDWARE

- 2 Screws M5×50
- 4 Screws M6×16
- 8 Hex Bolts M6×14
- 4 Hex Bolts M8×16
- 4 Nuts M8
- 8 Spring washers M6
- 8 Washers M6
- 1 Column
- 1 Mounting bracket
- 1 Mounting bracket
- 1 TV Mounting bracket
- 1 Control box
- 1 Handset
- 1 Remote
- 2 Connection cable / power cable
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## Assembly Instructions

### Diagram

![Diagram of TV Lift](image)

### Components

<table>
<thead>
<tr>
<th>No.</th>
<th>Type</th>
<th>Qty</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Mounting base</td>
<td>1</td>
</tr>
<tr>
<td>2</td>
<td>Column</td>
<td>1</td>
</tr>
<tr>
<td>3</td>
<td>Washers M6</td>
<td>8</td>
</tr>
<tr>
<td>4</td>
<td>Spring washers M6</td>
<td>8</td>
</tr>
<tr>
<td>5</td>
<td>Hex Bolts M6x14</td>
<td>8</td>
</tr>
<tr>
<td>6</td>
<td>Screws M5x50</td>
<td>2</td>
</tr>
<tr>
<td>7</td>
<td>TV mounting bracket</td>
<td>1</td>
</tr>
<tr>
<td>8</td>
<td>Nuts M8</td>
<td>4</td>
</tr>
<tr>
<td>9</td>
<td>Mounting bracket</td>
<td>1</td>
</tr>
<tr>
<td>10</td>
<td>Screws M6x16</td>
<td>4</td>
</tr>
<tr>
<td>11</td>
<td>Screws M8X16</td>
<td>4</td>
</tr>
<tr>
<td>12</td>
<td>Connection cable and power cable</td>
<td>2</td>
</tr>
<tr>
<td>13</td>
<td>Remote</td>
<td>1</td>
</tr>
<tr>
<td>14</td>
<td>Handset</td>
<td>1</td>
</tr>
<tr>
<td>15</td>
<td>Control box</td>
<td>1</td>
</tr>
</tbody>
</table>
1. Use 4 Hex Bolts M6x16, each with Spring washer and Washer, to attach Bases to the bottom of the Column. Tighten the 4 Screws (2 per side).

2. Use 4 Hex Bolts M6x16, each with Spring washer and Washer, to attach Mounting bracket to the top of the Column. Tighten the 4 Screws.
3. Use 4 Screws M6x16, to assemble the TV mounting bracket as following.

4. Use 4 Hex Bolts M8x16, each with Spring washer and Washer, to attach TV mounting bracket on to the Mounting bracket. Tighten the 4 Screws.

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5. Secure another 2 parts of the TV mounting bracket onto the backside of the TV set with 4 screws included with TV set. And then hang the TV set onto the TV mounting bracket as following. Use 2 M5x50 screws to tighten on the bottom.

6. Connect the Wires as per the diagram below. Now your TV lift is ready for use. (press the buttons of the handset and column will move up/down)
Operating: You can use the remote or handset operate the TV lift.

1. remote: Press S1+S3, TV lift move up, press S2+S3, TV lift move down.

2. handset: Press UP button, TV lift move up, press DOWN button, TV lift move down.

3. During the movement, you can press any button on remote or handset (not the RESET button on handset), TV lift stop at once.

Set the TOP and BOTTOM position: According to the dimension of the TV set, you can reset the top and bottom position of TV lift.

1. Press UP button on handset, TV lift moves up. Press the UP button (red) on control box, then you have the TOP position of the TV lift.

2. Press DOWN button on handset, TV lift moves down. Press the DOWN button (black) on control box, then you have the BOTTOM position of the TV lift. Now, you can only move the TV lift from TOP and BOTTOM positions by handset and remote.
Reset the TOP and BOTTOM position: Sometime, you want to reset the top position more higher than original TOP position and bottom position more lower than original BOTTOM position. You can do according to the following procedure.

Press UP button on handset and UP button on control box and hold them together, TV lift moves up. You release these 2 buttons when you find the new TOP position. Press DOWN button on handset and DOWN button on control box and hold them together, TV lift moves down. You release these 2 buttons when you find the new DOWN position. Now, you can only move the TV lift from these new TOP and BOTTOM positions by handset and remote.

Some other information:
(1) Frequency study: When you can not find the remote and buy a new from your local distributor, the frequency of the new remote perhaps not match with your control box. You should STUDY the frequency between the remote and control box as following procedure:

Press any button S1 (or S2 and S3) and STUDY button on handset at the same time and hold them. Several seconds later, the LED on handset will blink and you finish the frequency study. You can use the new remote to operate this TV lift now.

(2) Time protection: In order to prevent from “playing” with the TV lift, there has time limit protection. You only can operate 3 minutes on the TV lift in 20 minutes. If the operation time is too long (more than 3 minutes), the system will stop to move and LED on the control box will blink. You should wait for 20 minutes or cutoff the power of the control box, and then you can operate the TV lift again.
(3) Reset the system: If there has some problem of the system, for example, the cable connection problem, the TV lift can not move when you press the UP/DOWN buttons, you should try to reset the system as following procedure:

**Warning:** The TV lift will move to the zero position when RESET. Be sure there is no obstruction under the TV set.

Reconnect the cables again. Turn off the power of the control box and turn on the power again. Be sure the green LED on the control box is light on.

Press the RESET button on handset and hold it. After 5 seconds, TV lift will move down slowly and then to the zero position and then move up 7 mm and stop. You finish the RESET procedure. During the RESET procedure, you should hold the RESET button and the LED light on the handset will blink during the RESET procedure. The LED on the handset will turn off after finish the RESET. You can operate the system now.

**FEATURES:**

- **Adjustable height:**
  - 39”

- **Lifting column speed:**
  - 0.98” per second (no load)

- **Duty Cycle:**
  - 10%

- **Remote distance:**
  - 5m