Progressive Automations is one of the top manufactures and distributors of linear actuators and linear motion control products worldwide. For over a decade, we have supplied various industries with top quality automation, motion control systems and outstanding customer service. Our goal is to lead the industry in innovation. We pride ourselves on bringing only the best design and functionality to our customers.

**OUR PRODUCTS**

We have one of the largest, most cost effective lines of linear motion products in the industry and are consistently researching and developing new and improved products each year. With a large selection of linear actuators, table lifts, TV lifts, rocker switches, mounting brackets and accessories all available for purchase you’ll be sure to find what you need for your project or application.

To get full control of our actuators we offer a wide range of motion control systems, with wired and wireless models available. Our selection of microcontrollers and microcontroller accessories allow for some more advanced motion control options as well.

**OUR INDUSTRIES**

We are a key player in many industries such as automotive, marine, home and furniture automation, robotics, hobby design as well as industrial and manufacturing equipment. We are always looking to expand into new, exciting industries and encourage you to come and be part of our ever growing list of satisfied customers.

**OUR SUPPORT**

We have qualified, professional engineers on staff that are ready to answer all your questions and concerns. They’ll take you from the start of your project to the end and make sure you’re 100% satisfied, so give us a call and take advantage of our accomplished and capable staff today. Our website also contains additional resources such as product PDFs, wiring PDFs and 3D models.

**SERVICING TOP BRANDS**
CONTENTS

LINEAR ACTUATORS 04 - 09
CONTROL SYSTEMS 10 - 13
MICROCONTROLLERS 14 - 15
MOUNTING BRACKETS 16 - 17
TABLE LIFTS / TV LIFT 18 - 19
HAND & FOOT REMOTES 20 - 21
ACCESSORIES 22 - 23
### Product Specifications

<table>
<thead>
<tr>
<th>PA - 03</th>
<th>PA - 04</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Input Voltage:</strong> 12 VDC, 24 VDC, 36 VDC</td>
<td><strong>Input Voltage:</strong> 12 VDC, 24 VDC, 36 VDC</td>
</tr>
<tr>
<td><strong>Load Capacity:</strong> 200 lbs, 600 lbs, 1000 lbs</td>
<td><strong>Load Capacity:</strong> 100 lbs, 400 lbs, 900 lbs, 1350 lbs</td>
</tr>
<tr>
<td><strong>Stroke:</strong> 1” to 40”</td>
<td><strong>Stroke:</strong> 1” to 60”</td>
</tr>
<tr>
<td><strong>Speed:</strong> 0.24”/sec to 1.6”/sec</td>
<td><strong>Speed:</strong> 0.31”/sec to 2.8”/sec</td>
</tr>
<tr>
<td><strong>Current:</strong> 7.6A at full load</td>
<td><strong>Current:</strong> 12A at full load</td>
</tr>
<tr>
<td><strong>Static Load:</strong> Same as push load</td>
<td><strong>Static Load:</strong> Same as push load</td>
</tr>
<tr>
<td><strong>Mounting Holes:</strong> 0.40” diameter</td>
<td><strong>Mounting Holes:</strong> 0.40” diameter</td>
</tr>
<tr>
<td><strong>Screw Type:</strong> ACME screw</td>
<td><strong>Screw Type:</strong> ACME screw</td>
</tr>
<tr>
<td><strong>Duty Cycle:</strong> 20%</td>
<td><strong>Duty Cycle:</strong> 20%</td>
</tr>
<tr>
<td><strong>Operational Temperatures:</strong> -26ºC ~ +65ºC (-15ºF ~ +150ºF)</td>
<td><strong>Operational Temperatures:</strong> -26ºC ~ +65ºC (-15ºF ~ +150ºF)</td>
</tr>
<tr>
<td><strong>Limit Switch:</strong> Built-in, non-adjustable</td>
<td><strong>Limit Switch:</strong> Built-in, non-adjustable</td>
</tr>
<tr>
<td><strong>IP Grade:</strong> IP54</td>
<td><strong>IP Grade:</strong> IP66</td>
</tr>
<tr>
<td><strong>Low Noise Design:</strong> db&lt;45 (A)</td>
<td><strong>Low Noise Design:</strong> db&lt;45 (A)</td>
</tr>
<tr>
<td><strong>Certification:</strong> CE and RoHS</td>
<td><strong>Certification:</strong> CE and RoHS</td>
</tr>
<tr>
<td><strong>Housing:</strong> Aluminum Alloy and Plastic</td>
<td><strong>Housing:</strong> Aluminum Alloy and Plastic</td>
</tr>
<tr>
<td><strong>Gears:</strong> Polyformaldehyde</td>
<td><strong>Gears:</strong> Polyformaldehyde</td>
</tr>
</tbody>
</table>

### Options

<table>
<thead>
<tr>
<th>PA - 03</th>
<th>PA - 04</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>IP66</strong></td>
<td><strong>Hall effect sensor or reed switch</strong></td>
</tr>
<tr>
<td><strong>Hall effect sensor or reed switch</strong></td>
<td><strong>Customize wire length</strong></td>
</tr>
<tr>
<td><strong>Customize wire length</strong></td>
<td><strong>Customize size and position of mounting holes</strong></td>
</tr>
<tr>
<td><strong>Customize size and position of mounting holes</strong></td>
<td><strong>Attach custom connectors</strong></td>
</tr>
<tr>
<td><strong>Attach custom connectors</strong></td>
<td><strong>Custom Dimensions</strong></td>
</tr>
<tr>
<td><strong>Custom dimensions</strong></td>
<td><strong>Full metal gearing</strong></td>
</tr>
<tr>
<td><strong>Full metal gearing</strong></td>
<td><strong>Only push option</strong></td>
</tr>
<tr>
<td><strong>Only push option</strong></td>
<td><strong>Relay free option</strong></td>
</tr>
<tr>
<td><strong>Relay free option</strong></td>
<td><strong>UL Certified unit</strong></td>
</tr>
<tr>
<td><strong>UL Certified unit</strong></td>
<td><strong>UL Certified unit</strong></td>
</tr>
</tbody>
</table>
**PRODUCT SPECIFICATIONS**

- Input Voltage: 12 VDC
- Load Capacity: 5 lbs
- Stroke: 1” to 12”
- Speed: 1.4”/sec
- Current: 0.24A at full load
- Static Load: 6.5lbs
- Mounting Holes: 0.16” diameter
- Screw Type: ACME Screw
- Duty Cycle: 10%
- Operational Temperature: -0ºC ~ +50ºC (-32ºF ~ +122ºF)
- Limit Switch: Built-in, non-adjustable
- IP Grade: IP66
- Certification: CE and RoHS
- Housing: Aluminum Alloy and Plastic
- Gears: Plastic Gears

This micro actuator is our smallest unit and ideal for applications that require little force. It can be found in robotics, hobby design and manufacturing automation.

**PRODUCT SPECIFICATIONS**

- Input Voltage: 12 VDC, 24 VDC, 36 VDC, 48 VDC
- Force: 35 lbs, 50 lbs, 75 lbs, 110 lbs, 150 lbs
- Stroke: 1” to 40”
- Speed: 0.59”/sec to 2.00”/sec
- Current: 5A at full load
- Static Load: 2 x the force
- Mounting Holes: 0.25” diameter
- Screw Type: ACME screw
- Duty Cycle: 25%
- Operational Temperatures: -25ºC ~ +65ºC (-15ºF ~ +150ºF)
- Limit Switch: Built-in, non-adjustable
- IP Grade: IP54
- Low Noise Design: db<45 (A)
- Certification: CE and RoHS
- Housing: 6062 Aluminum Alloy
- Gears: Powder Metal Gears

This miniature linear actuator is compact, powerful and ideal for applications where space is a major factor. It can be found in agricultural, home, and hobby automation as well as robotics.

**OPTIONS**

- IP65
- Hall effect sensor or potentiometer
- Customize wire length
- Customize the size and position of mounting holes
- Different types of mounting ends
- Attach custom connectors
- Custom dimensions
- Full metal gears or plastic gears
This linear actuator comes with a built-in potentiometer, giving it precision controls over motion and feedback. It is usually found in manufacturing, agricultural and industrial automation as well as robotics.

**PA - 14P**

**PRODUCT SPECIFICATIONS**
- Input Voltage: 12 VDC, 24 VDC, 36 VDC, 48 VDC
- Load Capacity: 35 lbs, 50 lbs, 75 lbs, 110 lbs, 150 lbs
- Stroke Length: 1” to 40”
- Speed: 0.59”/sec to 2.00”/sec
- Potentiometer: 10K ohm
- Current: 5A at full load
- Static Load: 2 x the force
- Mounting Holes: 0.25” diameter
- Screw: ACME screw
- Duty Cycle: 25%
- Operational Temperature: -25ºC ~ +65ºC (-15ºF ~ +150ºF)
- Limit Switch: Built-in, non-adjustable
- IP Grade: IP54
- Low Noise Design: db<45 (A)
- Certification: CE and RoHS
- Housing: 6062 Aluminum Alloy
- Gears: Powder Metallurgy

**OPTIONS**
- IP65
- Hall effect sensor
- Customize internal potentiometer
- Customize wire length
- Customize the size and position of mounting holes
- Different types of mounting ends
- Attach custom connectors
- Custom dimensions
- Full metal gears or plastic gears

The high speed linear actuator is a tubular shaped model designed for high speed applications and projects. It can be found in home automation, hobby design and the health-care industry.

**PA - 15**

**PRODUCT SPECIFICATIONS**
- Input Voltage: 12 VDC, 24 VDC, 36 VDC, 48 VDC
- Load Capacity: 11 lbs, 22 lbs, 33 lbs
- Stroke Length: 1” to 30”
- Speed: 3.15”/sec to 9.05”/sec
- Current: 9A at full load
- Mounting Holes: 0.35” diameter
- Screw: ACME screw
- Duty Cycle: 20%
- Operational Temperature: -26ºC ~ +65ºC (-15ºF ~ +150ºF)
- Limit Switch: Built-in, non-adjustable
- IP Grade: IP54
- Low Noise Design: db<45 (A)
- Certification: CE and RoHS
- Housing: Aluminum Alloy
- Gears: Metal
- High speed motor

**OPTIONS**
- Customize size and position of mounting holes (stroke end only)
- Customize wire length
- Attach custom connectors
- Custom dimensions
This medium force linear actuator packs a lot of power into its compact design. It can be found in automotive, home and marine automation as well as hobby design.

**PRODUCT SPECIFICATIONS**

- Input Voltage: 12 VDC, 24 VDC, 36 VDC, 48 VDC
- Load Capacity: 330 lbs
- Stroke: 1” to 40”
- Speed: 0.20”/sec
- Current: 6.5A at full load
- Static Load: 500 lbs
- Mounting Holes: 0.25” diameter
- Screw: ACME screw
- Duty Cycle: 25%
- Operational Temperature: -25°C ~ +65°C (-15°F ~ +150°F)
- Limit Switch: Built-in, non-adjustable
- IP Grade: IP54
- Low Noise Design: db<45(A)
- Certification: CE and RoHS
- Housing: Aluminum Alloy
- Gears: Steel Gears

**OPTIONS**

- IP65
- Potentiometer or Hall effect sensor
- Customize wire length
- Customize size and position of mounting holes
- Different types of mounting ends
- Attach custom connectors
- Custom dimensions
- Full metal gears or plastic gears

This industrial linear actuator is ideal for applications that require a large amount of force. It can be found in solar tracking equipment, construction equipment and industrial automation.

**PRODUCT SPECIFICATIONS**

- Input Voltage: 12 VDC, 24 VDC, 36 VDC, 48 VDC
- Load Capacity: 450 lbs, 850 lbs, 1600 lbs, 2000 lbs
- Stroke Length: 1” to 40”
- Speed: 0.33”/sec to 1.50”/sec
- Current: 20A at full load
- Static Load: 2 x max load capacity
- Mounting Holes: 0.50” diameter
- Screw: ACME screw
- Duty Cycle: 25%
- Operational Temperature: -40°C ~ +65°C (-40°F ~ +150°F)
- Limit Switch: Built-in, adjustable (up to 24”)
- IP Grade: IP65
- Certification: CE and RoHS
- Housing: Stainless Steel
- Gears: Powder Metallurgy

**OPTIONS**

- Potentiometer or Hall effect sensor
- Customize wire length
- Customize size and position of mounting holes
- Different types of mounting ends
- Attach custom connectors
- Custom dimensions
The mini-tube linear actuator is one of our smaller units and draws very little power. It is ideal for projects with limited space and can be found in hobby design, home automation and robotics.

**PRODUCT SPECIFICATIONS**
- Input Voltage: 12 VDC, 24 VDC, 36 VDC, 48 VDC
- Load Capacity: 33 lbs
- Stroke Length: 1” to 40”
- Speed: 0.44”/sec
- Current: 0.17A at full load
- Mounting Holes: 0.20” diameter
- Screw: ACME screw
- Duty Cycle: 20%
- Operational Temperature: -26°C ~ +65°C (-15°F ~ +150°F)
- Limit Switch: Built-in, non-adjustable
- IP Grade: IP56
- Noise: db<52(A)
- Certification: CE and RoHS
- Housing: Aluminum Alloy
- Tube Diameter: 1.18”

**OPTIONS**
- Increase force up to 850 lbs (doing so requires increased tube size)
- Tube diameter can be increased up to 1.987”
- Customize size and position of mounting holes
- Custom wire length
- Attach custom connectors
- Custom dimensions
- Full metal gears or plastic gears

The track actuators stroke does not extend during its movement cycle. This unique design makes it popular in home and industrial automation as well as hobby design.

**PRODUCT SPECIFICATIONS**
- Input Voltage: 12 VDC, 24 VDC, 36 VDC
- Load Capacity: 150 lbs, 225 lbs, 450 lbs, 675 lbs, 900 lbs, 1300 lbs
- Speed: 0.23”/sec to 1.5”/sec
- Stroke Length: 1” to 60”
- Current: 8A at full load
- Mounting Holes: 0.40” diameter (motor end)
- Screw: ACME screw
- Screw holes located on sliding block
- Screws and pins included with each unit
- Duty Cycle: 20%
- Operational Temperature: -26°C ~ +65°C (-15°F ~ +150°F)
- Limit Switch: Built-in, non-adjustable
- IP Grade: IP54
- Low Noise Design: db<48(A)
- Housing: Aluminum Alloy
- Gears: Polyformaldehyde

**OPTIONS**
- Hall effect sensor
- Customize wire length
- Customize size and position of mounting holes
- Attach custom connectors
- Full metal gears or plastic gears
- Relay free option
CUSTOM BUILD ACTUATORS AND CONTROL SYSTEMS

Our custom order feature allows you to customize a linear actuator with a variety of customization options depending on the model. These options include customizing the force, stroke, dimensions, voltage and adding feedback control. If you are having difficulty finding your ideal actuator please call or email us with your specifications and we will have a unit customized for you.

We also offer custom built control systems and custom programming options designed by our team of skilled engineers based on your own specific requirements. We have enclosures to house your custom made motion control systems as well.

There is no minimum order quantity required and we offer discounts on custom order quantities of 10 or more. Please be aware that all custom orders will take from 10 to 20 business days to manufacture.

For more information on custom orders visit our website at progressiveautomations.com/custom-orders
PA - 20

This control box controls 1 actuator and comes with 1 wired hand remote that offers up/down motion control. It is compatible with all of our actuators except the PA-17.

**PRODUCT SPECIFICATIONS**

- Input Voltage: 110 VAC, 220 VAC
- Output Voltage: 12 VDC, 24 VDC
- Duty Cycle: 10%
- Current: 10.5A
- Size: 2.7” x 4” x 4.5”
- Operational Temperature: +5°C to +40°C
- IP Grade: IP51
- Wire Length: 3.0m
- Medical Certification: EN60601-1
- Certification: CE
- Overload protection function
- Weight: 1.58 lbs

PA - 22

This control box controls 2 actuators non-simultaneously and comes with 1 wired hand remote that offers up/down motion control. It is compatible with all of our actuators except the PA-17.

**PRODUCT SPECIFICATIONS**

- Input Voltage: 110 VAC, 220 VAC
- Output Voltage: 12 VDC, 24 VDC
- Duty Cycle: 10%
- Current: 10.5A
- Size: 2.7” x 4” x 4.5”
- Operational Temperature: +5°C to +40°C
- IP Grade: IP51
- Wire Length: 3.0m
- Medical Certification: EN60601-1
- Certification: CE
- Overload protection function
- Weight: 1.64 lbs

PA - 25

This DC control box can control 2 actuators simultaneously, includes two built-in potentiometers that allow for speed control individually and come with 2 wireless hand remotes capable of up, down and pause functions.

**PRODUCT SPECIFICATIONS**

- Input Voltage: 12 VDC
- Output Voltage: 12 VDC
- Current: 30A
- Size: 6” x 1.5” x 3.5” (L x H x W)
- Weight: 2.5 lbs
- Built-in potentiometer
- Batteries for remotes included
- Includes: 2 hand remotes, 1 control box
- Remote Functions: Up, down, pause, both momentary and non-momentary
PA - 24

This control box can control up to 4 actuators non-simultaneously and includes 1 wired remote that offers up/down motion control. It is compatible with all of our actuators except the PA-17.

PRODUCT SPECIFICATIONS

- Input Voltage: 110 VAC, 220 VAC
- Output Voltage: 12 VDC, 24 VDC
- Duty Cycle: 10%
- Current: 10.5A
- Size: 3.7” x 4” x 4.5”
- Operational Temperature: +5°C to +40°C
- IP Grade: IP51
- Wire Length: 3.0m
- Medical Certification: EN60601-1
- Certification: CE
- Overload protection function
- Weight: 1.84 lbs

PA - 28

This DC control box can control 2 actuators non-simultaneously and comes with 2 wireless remotes that have up, down and pause functions.

PRODUCT SPECIFICATIONS

- Input Voltage: 12 VDC
- Output Voltage: 12 VDC
- Current: 30A
- Size: 4.2” x 1.4” x 3.4”
- Weight: 0.80 lbs
- Batteries for remotes included
- Includes: 2 hand remotes, 1 control box, 2 actuator wire harnesses, 1 power wire harness
- Remote Functions: Up, down, pause, both momentary and non-momentary

PA - 30

This DC control box can control 1 or multiple actuators simultaneously and comes with 2 wireless hand remotes, 2 actuator wire harnesses and 1 power wire harness.

PRODUCT SPECIFICATIONS

- Input Voltage: 12 VDC
- Output Voltage: 12 VDC
- Current: 30A
- Size: 4.2” x 1.4” x 3.4”
- Weight: 0.80 lbs
- Batteries for remotes included
- Includes: 2 wireless remotes, 1 control box, 2 actuator wire harnesses, 1 power wire harness
- Remote Functions: Up, down, pause, both momentary and non-momentary
This control box is unique from all our other control systems in that it is controlled via our Wi-Fi Control App. It can control up to 4 actuators simultaneously or non-simultaneously.

**PRODUCT SPECIFICATIONS**

- Input Voltage: 12 VDC
- Output Voltage: 12 VDC
- Current: 10A
- Size: 5.6” x 1.5” x 3.5” (L x H x W)
- Weight: 0.80 lbs
- Record function
- Wi-Fi Control
- Android & iPhone compatible
- Includes: 1 control box, connectors
- Remote Functions: Up, down, pause, both momentary and non-momentary
PA - 37

This control box is a temperature activated control system, capable of controlling 1 or more units simultaneously and includes 2 wireless remotes for manual function.

**PRODUCT SPECIFICATIONS**

- Input Voltage: 12 VDC
- Output Voltage: 12 VDC
- Current: 30A
- Size: 5.5” x 1.50” x 3.24” (L x H x W)
- Weight: 0.60 lbs
- IP Grade: IP51
- Includes: 1 control box, 2 wireless remotes
- Remote Functions: Up, down, pause non-momentary

---

PA - 39

This control box is able to control 2 actuators simultaneously or non-simultaneously. It is compatible with all our actuator models with built in potentiometers.

**PRODUCT SPECIFICATIONS**

- Input Voltage: 12-24 VDC
- Output Voltage: 12-24 VDC
- Current: 15A
- Duty Cycle: 25%
- Size: 5.11” x 1.28” x 3.45” (L x H x W)
- Weight: 0.35 lbs
- IP Grade: IP51
- 3 presets
- Includes: 1 control box, 1 wired remote, 1 wire harness, mounting hardware
- Remote Functions: Up, down, pause, momentary

---

PA - 40

This DC control box can control 1 or multiple actuators simultaneously and comes with 2 wireless remotes and a remote receiver. It is designed for actuator models with hall effect sensors.

**PRODUCT SPECIFICATIONS**

- Input Voltage: 12 VDC
- Output Voltage: 12 VDC
- Current: 20A
- Size: 3” x 1” x 2.5” (L x H x W)
- Weight: 0.20 lbs
- Includes: 2 wireless remotes, 1 control box, 2 actuator wire harnesses, 1 power wire harness
- Remote Functions: Up, down, pause both momentary and non-momentary
**MICROCONTROLLERS**

**LC - 057:** Arduino Leonardo w/Headers

**LC - 053:** Arduino Micro

**LC - 062:** Arduino Due – 32 Bit Processor

**LC - 066:** Arduino Uno Rev3

**LC - 067:** Arduino Mega2560 Rev3

**LC - 068:** Arduino Ethernet Rev3 WITHOUT PoE

**LC - 069:** Arduino ADK Rev3

**LC - 080:** MegaMoto Plus H-bridge for Arduino

**LC - 081:** MegaMoto GT H-bridge Arduino Shield

**LC - 082:** MultiMoto Arduino Shield
LC - 83: Vyper RC and Analog Controller

LC - 84: Scorpion XXL RC Controller

LC - 85: Wasp w/Wire Leads

LC - 004: Arduino USB Host Shield

LC - 058: Arduino WiFi Shield (Integrated Antenna)

LC - 105: Arduino GSM Shield 2 (Integrated Antenna)

LC - 204: ScrewShield Expansion Board for Arduino

LC - 207: LCD Board Keypad for Arduino Expansion Board

LC - 210: Multifunctional Nano UNO Expansion Board for Arduino

LC - 206: Sensor Shield V4 Digital Analog Module for Arduino
These mounting brackets are specifically designed for our PA-03 and PA-04 actuator models. They have a light weight design with full 180 degrees of rotation and can handle over 1400 lbs of force.

**PRODUCT SPECIFICATIONS**
- Bracket Material Type: Iron Steel
- Actuator Model: PA-03, PA-04
- Includes: 1 mounting bracket, 1 bolt, 1 pin

These mounting brackets are specifically designed for the tube section of our PA-14 and PA-14P actuator models. Depending on the stroke length of the actuator, multiple brackets can be used on a single unit.

**PRODUCT SPECIFICATIONS**
- Bracket Material Type: Iron Steel
- Actuator Model: PA-14, PA-14P
- Includes: 1 mounting bracket, set of screws

These mounting brackets are specifically designed for our PA-16 actuator models. Depending on the stroke length of the actuator, multiple brackets can be used on a single unit.

**PRODUCT SPECIFICATIONS**
- Bracket Material Type: Iron Steel
- Actuator Model: PA-16
- Includes: 1 mounting bracket, set of screws

These mounting brackets are specifically designed for our PA-11-D30 actuator models. They have a thin, compact design and offer a full 180 degrees of rotation.

**PRODUCT SPECIFICATIONS**
- Bracket Material Type: Iron Steel
- Actuator Model: PA-11-D30
These mounting brackets are specifically designed for our PA-17 actuator models, built to withstand heavy force loads up to 4000 lbs and allow a full 180 degrees of rotation.

<table>
<thead>
<tr>
<th>PRODUCT SPECIFICATIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>• Bracket Material Type: Aluminum Alloy 6061-T651</td>
</tr>
<tr>
<td>• Bolt Material Type: SCM435 Steel Alloy</td>
</tr>
<tr>
<td>• Actuator Model: PA-17</td>
</tr>
<tr>
<td>• Includes: 1 mounting bracket, 1 bolt, 1 pin</td>
</tr>
</tbody>
</table>

These mounting brackets are specifically designed for our PA-14, PA-14P and PA-16 actuator models. They are lightweight and allow 180 degrees of rotation.

<table>
<thead>
<tr>
<th>PRODUCT SPECIFICATIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>• Bracket Material Type: Iron Steel</td>
</tr>
<tr>
<td>• Actuator Model: PA-14, PA-14P, PA-16</td>
</tr>
<tr>
<td>• Includes: 1 mounting bracket, 1 bolt, 1 pin</td>
</tr>
</tbody>
</table>

These mounting brackets are designed for our PA-15 actuator models. They are lightweight and allow 180 degrees of rotation.

<table>
<thead>
<tr>
<th>PRODUCT SPECIFICATIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>• Bracket Material Type: Iron Steel</td>
</tr>
<tr>
<td>• Actuator Model: PA-15</td>
</tr>
<tr>
<td>• Includes: 2 mounting brackets, 2 bolts, 2 pins</td>
</tr>
</tbody>
</table>

These mounting brackets are specifically designed for our PA-18 actuator models. They consist of 3 parts and allow 180 degrees of rotation.

<table>
<thead>
<tr>
<th>PRODUCT SPECIFICATIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>• Bracket Material Type: Aluminum Alloy 6061-T651</td>
</tr>
<tr>
<td>• Actuator Model: PA-18</td>
</tr>
<tr>
<td>• Includes: 2 L-shape brackets, 1 T-shape bracket, 1 bolt, 1 pin</td>
</tr>
</tbody>
</table>
FLT - 03-2-2

This table lift has a 2-step function with 2 synchronized lifting columns. It is capable of lifting up to 440 lbs per leg and comes with a control box and wired hand remote with 3 programmable preset functions.

PRODUCT SPECIFICATIONS

- Input Voltage: 110 VAC, 220 VAC
- Output Voltage: 24 VDC
- Load Capacity: 880 lbs (440 lbs per leg)
- Speed: 0.50"/sec
- Stroke Length: 15.7"
- IP Grade: IP51
- Install Size Retracted: 22"
- Install Size Extended: 37.7"
- Duty Cycle: 10%
- Weight: 35 lbs
- Custom strokes available

FLT - 06

This table lift has a 3-step function and 2 synchronized lifting columns. It is capable of lifting up to 175 lbs per leg and comes with a control box and wired hand remote with 3 programmable preset functions.

PRODUCT SPECIFICATIONS

- Input Voltage: 110 VAC, 220 VAC
- Output Voltage: 24 VDC
- Load Capacity: 350 lbs (175 lbs per leg)
- Speed: 1.40"/sec
- Stroke Length: 25.5"
- IP Grade: IP42
- Install Size Retracted: 22"
- Install Size Extended: 47.5"
- Duty Cycle: 10%
- Weight: 20 lbs

FLT - 03-2-1

This table lift has a 2-step function and 1 lifting column. It is capable of lifting up to 440 lbs and comes with a control box and a wired hand remote.

PRODUCT SPECIFICATIONS

- Input Voltage: 110 VAC, 220 VAC
- Output Voltage: 24 VDC
- Load Capacity: 440 lbs
- Speed: 0.50"/sec
- Stroke Length: 15.7"
- IP Grade: IP51
- Install Size Retracted: 22"
- Install Size Extended: 37.7"
- Duty Cycle: 10%
- Weight: 20 lbs
- Custom strokes available
This table lift has a 3-step function and 2 synchronized lifting columns. It is capable of lifting up to 440 lbs per leg and includes a control box and a wired hand remote with 3 programmable preset functions.

**PRODUCT SPECIFICATIONS**

- Input Voltage: 110 VAC, 220 VAC
- Output Voltage: 24 VDC
- Load Capacity: 880 lbs (440 lbs per leg)
- Speed: 0.50”/sec
- Stroke Length: 32”
- IP Grade: IP51
- Install Size Retracted: 24”
- Install Size Extended: 56”
- Duty Cycle: 10%
- Weight: 35 lbs
- Custom strokes available

This table lift has a 3-step function and 4 synchronized lifting columns. It is capable of lifting up to 175 lbs per leg and comes with 2 control boxes, mounting hardware and a wired hand remote with 4 programmable preset functions.

**PRODUCT SPECIFICATIONS**

- Input Voltage: 110 VAC
- Output Voltage: 24 VDC
- Load Capacity: 700 lbs
- Speed: 1.50”/sec
- Stroke Length: 25.5”
- IP Grade: IP51
- Install Size Retracted: 23.5”
- Install Size Extended: 49”
- Duty Cycle: 10%
- Weight: 55 lbs

This TV lift is capable of lifting a television 39” high and gives the ability to easily adjust the height with a wireless remote. It is ideal for any television sizes between 32” and 60”.

**PRODUCT SPECIFICATIONS**

- Input Voltage: 110 VAC, 230 VAC
- Output Voltage: 24 VDC
- Load Capacity: 150 lbs
- Speed: 0.98”/sec
- Stroke Length: 39”
- IP Grade: IP20
- Install Size Retracted: 31.89”
- Install Size Extended: 70.89”
- Duty Cycle: 10%
- Weight: 42 lbs
- Limit Switches: Built-in, adjustable
- Duty cycle overload protection
PDL - 01
This foot pedal can be used to control up to 4 actuators and is capable of up/down motion control. It can be used right away with one of our PA-20 control boxes or on its own with a relay.

PRODUCT SPECIFICATIONS
- Control Ability: Connect in parallel, control up to 4 actuators
- Remote Functions: Up, down, momentary
- Size: 5.91” x 2.56” x 3.54” (L x H x W)
- IP Grade: IP54
- Weight: 1.15 lbs

PDL - 03
This foot pedal can be used to control 1 or 2 actuators simultaneously or non-simultaneously. It can be used right away with one of our PA-22 control boxes or on its own with a relay.

PRODUCT SPECIFICATIONS
- Control Ability: Connect in parallel, control 1 or 2 actuators simultaneously or non-simultaneously
- Remote Functions: Up, down, momentary
- Size: 7.09” x 2.56” x 5.90” (L x H x W)
- IP Grade: IP54
- Weight: 1.95 lbs

RT - 11
This table lift hand remote is compatible with all of our table lift models except the FLT-03-2-1. It has up/down momentary control and can set up to 4 preset positions for your table lift.

PRODUCT SPECIFICATIONS
- Remote Functions: Up, down, momentary
- Size: 5.7” x 1” x 3”
- Weight: 0.35 lbs
This table lift hand remote is compatible with all of our table lift models except the FLT-03-2-1. It has up/down momentary control with a blue backlit touch screen.

### PRODUCT SPECIFICATIONS

- Remote Functions: Up, down, momentary
- Size: 2.2” x 1” x 2.2”
- Weight: 0.20 lbs

---

This table lift hand remote is compatible with all of our table lift models except the FLT-03-2-1. It has up/down momentary control with a blue backlit touch screen.

### PRODUCT SPECIFICATIONS

- Remote Functions: Up, down, momentary
- Size: 2.2” x 1” x 2.2”
- Weight: 0.20 lbs

---

This table lift hand remote is compatible with all of our table lift models except the FLT-03-2-1. It has up/down momentary control.

### PRODUCT SPECIFICATIONS

- Remote Functions: Up, down, momentary
- Size: 5.74” x 1.04” 1.18”
- Weight: 0.45 lbs
**ACCESSORIES**

**AC - 14**
This DC speed controller allows you to control the speed of an actuator by turning a knob. It is compatible with all our actuator models.

**AC - 22**
This relay is a DPDT (double pole, double throw) relay that separates two circuits electrically and connects them magnetically. Each relay comes with a relay socket to make wiring simple.

**AC - 21**
This timer switch allows you to extend or retract linear actuators using a digital timer. It can only control a single actuator. Two timers are needed for both extension and retraction.

**AC - 17**
This wiring kit comes with everything needed for wiring procedures. It has 12 feet of red and 12 feet of black wires, 12 Molex connectors, 2 fuse holders with fuses, 2 limit switches and 2 diodes.
This external limit switch is able to limit the stroke of an actuator in one direction. It is compatible with all of our control boxes and rocker switches.

This limit switch is for when you need an additional limit switch for your actuator. With every limit switch we include 1 diode.

This rubber boot is specifically designed for our PA-14 actuator models. It protects the unit primarily from dust and moisture and helps increase the life cycle.

This brush set acts as a replacement brush set for our PA-03 actuator models. It comes with 2 brushes, 2 springs and 1 brush holder.