Part#: LA2, LA2X, LA4, LA4X, LA6, LA6X, LA8, LA8X, LA10, LA10X, LA12, LA12X

WIRING GUIDE

<table>
<thead>
<tr>
<th>Used</th>
<th>Not Used</th>
</tr>
</thead>
<tbody>
<tr>
<td>GREEN – Motor</td>
<td>BLKACK – Ground</td>
</tr>
<tr>
<td>BLUE – Motor</td>
<td>RED – Vcc+</td>
</tr>
<tr>
<td></td>
<td>YELLOW – Pulses</td>
</tr>
</tbody>
</table>

TOP VIEW*

SIDE VIEW*

Built-In Hall Sensor
Transmission
Heavy Duty Motor
Shaft
Piston

Power Rating DC12V 4.5A • Force 500N Max. • Stroke 100mm • Speed 20mm/sec Max. • Duty Cycle 10% Max. • Motor Type 3423

<table>
<thead>
<tr>
<th>MODEL</th>
<th>LA2</th>
<th>LA4</th>
<th>LA6</th>
<th>LA8</th>
<th>LA10</th>
<th>LA12</th>
<th>LA24</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>6.75&quot;</td>
<td>6.75&quot;</td>
<td>10.5&quot;</td>
<td>10.5&quot;</td>
<td>14.5&quot;</td>
<td>14.5&quot;</td>
<td>26&quot;</td>
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<tr>
<td>STROKE</td>
<td>2&quot;</td>
<td>4&quot;</td>
<td>6&quot;</td>
<td>8&quot;</td>
<td>10&quot;</td>
<td>12&quot;</td>
<td>24&quot;</td>
</tr>
<tr>
<td>TOTAL LENGTH (RETRACTED)</td>
<td>10&quot;</td>
<td>10&quot;</td>
<td>13.5&quot;</td>
<td>13.5&quot;</td>
<td>17.5&quot;</td>
<td>17.5&quot;</td>
<td>30&quot;</td>
</tr>
</tbody>
</table>

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*The above specs are for reference only. THG LLC is not responsible for any inaccuracies in the above instructions. THG LLC is not responsible for any property damage or personal injuries resulting from the above instructions. Installation by qualified automotive professionals is highly recommended.

OPTIONAL EQUIPMENT AVAILABLE:
An optional smart electronic controller is available for all models of linear actuators. Please contact your sales rep at 1.800.873.4038 for details or visit our web site www.autoloc.com.
**TOP VIEW***

Part #: LA24

*see previous page for chart with LA24 dimensions

**WIRING DIAGRAM**

- Red, Black, Yellow NOT USED
- Note: Relay, Switch, & Remote are not included

**HALL SENSOR CIRCUIT**

- Green: + Voltage Extended Vcc: 5~20V
- Red: Ground
- Black: Output
- White: RET L5(NC) EXT L5(NC)
- Green: Hall
- Blue: B

**MOUNTING IDEAS**

- Pivot Point
- Bolt to Car

NOTE: Do not over tighten actuator to vehicle. Allow for easy movement on all pivot points.

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