

Specs

	LVM60	LVM100
Voltage	24VDC	24VDC
Amp	3	4.2
Watt	72	100
Output Speed	2.7 RPM	3 RPM
Output Torque	60NM	100NM
Shaft Output	Single	Single or Double
Drive Shaft Diam. Compatible	SCRB/1.315"/1.66"/2.375"	

All electrical connections must be made by a qualified, licensed electrician. All connections must be made in accordance with all state and local codes. Applying 110 VAC or 220 VAC to a low voltage motor will damage the motor and void the warranty.



LVM-60/100

Low Voltage Motors

Quick Start Guide

Scan the QR Code to visit our Knowledge Center, which features the full instruction manual and other resources.

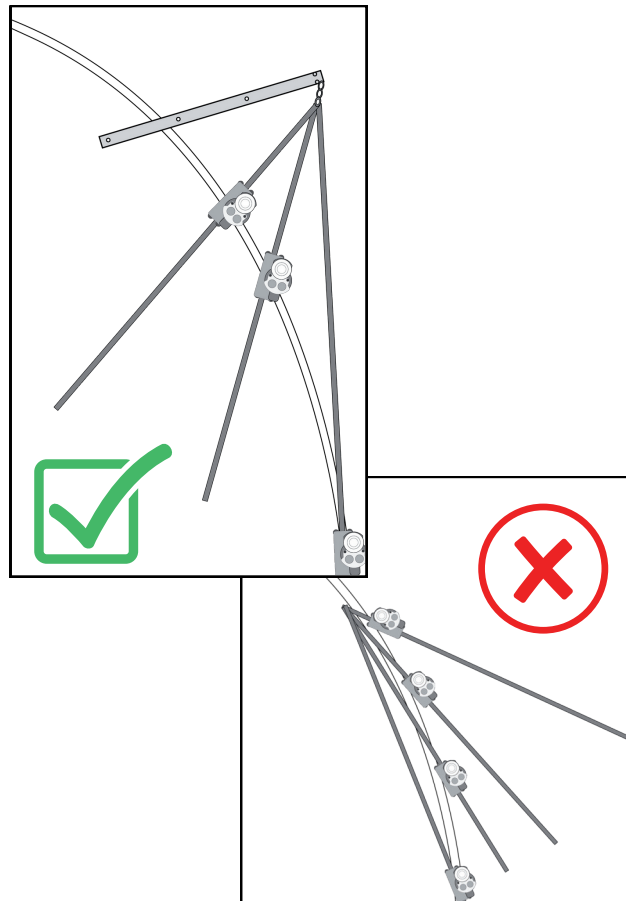
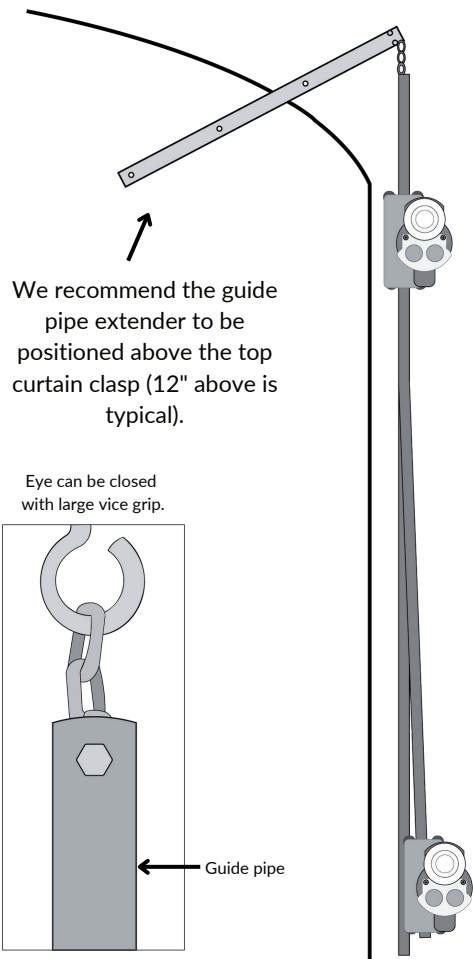


Warranty Registration:
advancingalternatives.com/register



Guide Pipe Installation Instructions

The guide pipe extender reduces or eliminates movement by the guide pipe away from the sidewall as the motor and roll-bar travel the curved profile of a structure.



WARNING All electrical connections must be made by a qualified, licensed electrician. All connections must be made in accordance with all state and local codes.

What's Included:



Low Voltage Motor

Images not to scale.

Zip Ties (x4)



Breaker*

Images not to scale.

Tools & Materials Required:

- Screwdriver
- Motor wire
 - 14 AWG for less than 100' connections
 - 12 AWG for connections over 100'
- Wire crimper

***Breakers Required for Motors**

- LVM-60: 3A breaker
- LVM-180: 7.5A breaker
- LVM-100: 5A breaker
- LVM-200: 10A breaker



For detailed instructions and technical support, visit advancingalternatives.com/knowledge-center

PLEASE NOTE: Illustrations for example purposes only. Actual layout may vary. Read the LVM-60/100 instruction manual for full details.

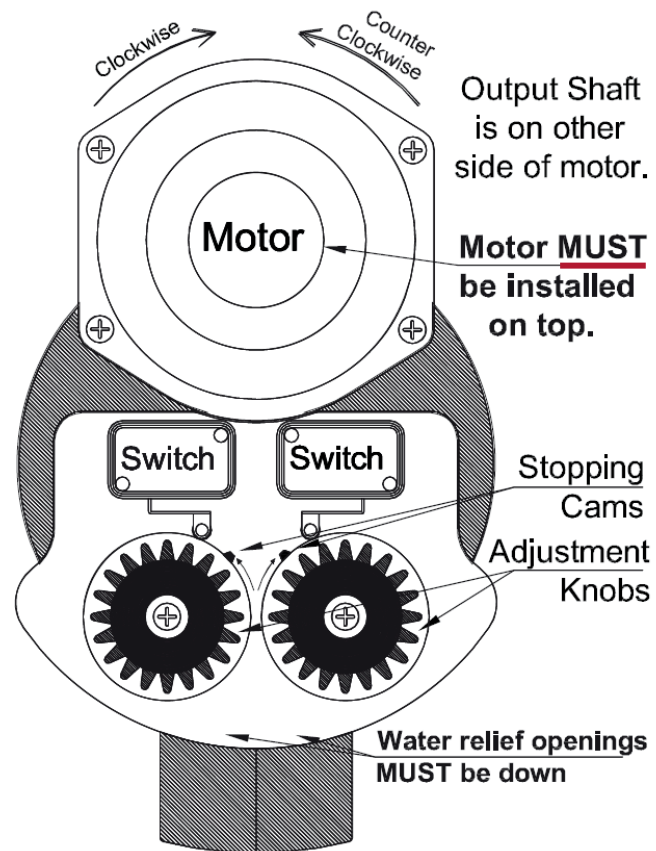
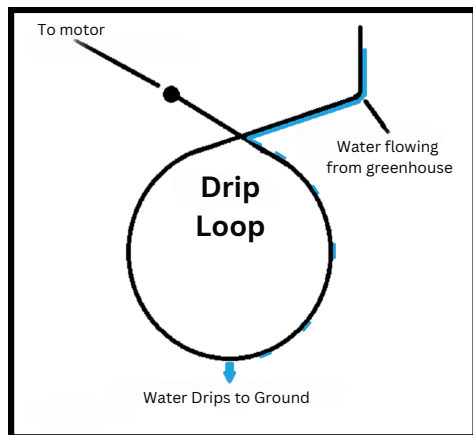
IMPORTANT
Do not install the low voltage motors upside down. The motor housing must be oriented above the limit switch dials as shown below.

Remember:

- Motors equipped with guidewheels are shipped as “right” and “left” outputs. When motors are ordered in even numbers, they will be shipped in L/R pairs.
- After the motors have been installed and prior to wiring to a controller, the use of a portable tool battery (24V or less) can simplify the setting of the motor’s limit switches as the installer can stand close to the motor during the process.

Installation Overview

1. Install the motor to the guidepipe, ensuring motor is installed on top. (See back page for guidepipe diagram.)
2. Use zip ties to create a drip loop for the wire.

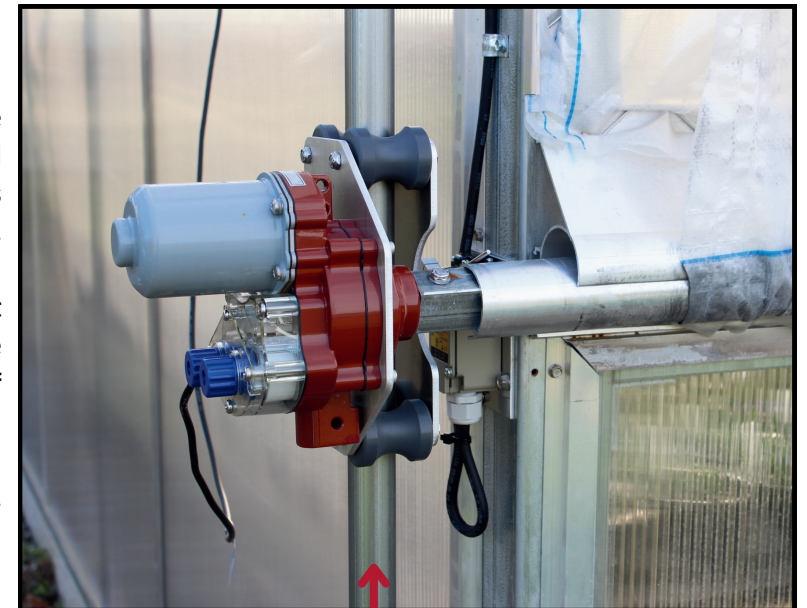


Installation Overview (continued)

3. Set the internal limit switches. Adjustment knobs (or dials) on the limit switch housing allows for setting rotations extent. When getting familiar with the motor’s direction, use minor adjustments to become comfortable with the motor’s direction, and the resulting movement of each adjustment.
4. Assure the lock screws on both dials are tightened once all internal limit adjustment has been made. *Note: Do not overtighten. Overtightening will damage internal limit switch.*

2-3" between the edge of the greenhouse and the guidewheel unless you are using roll lock. When using roll lock you need an external limit switch to control the downward movement of the motor.

5-6" if using roll lock.



NOTE

Motors travel up and down with the curtain. Motors do not remain stationary during operation.

The center of the guide pipe needs to be 2 or 3 inches off the edge of the house unless using our roll lock. If used with our roll lock and external limit switch the guide pipe needs to be 5 or 6 inches off the edge of the green