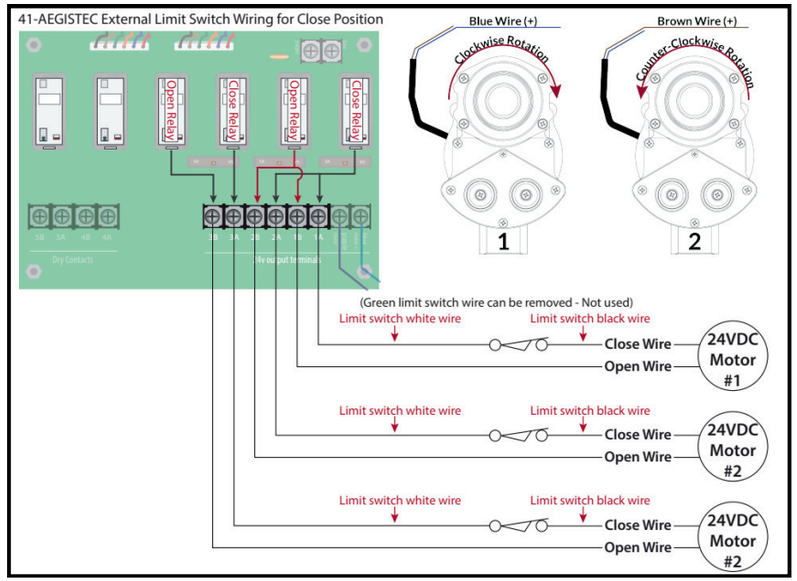
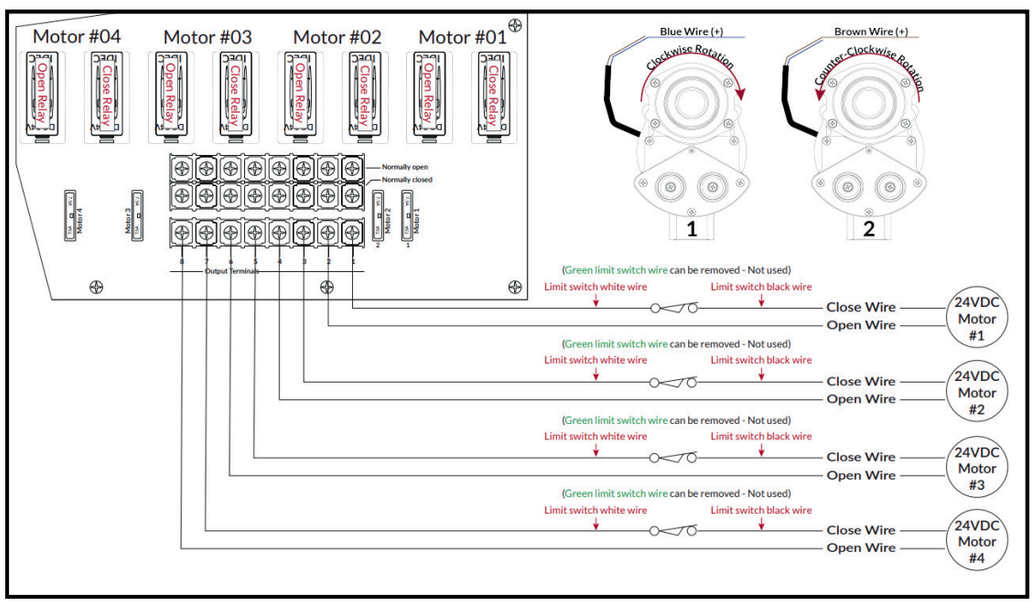
Limit Switch Wiring for 41-AEGISTEC



Example of Limit Switch Wiring for 41-AEGISTECP



ADVANCING ALTERNATIVES

61-LSARL-LVM

External Limit Switch for Roll Lock and Low Voltage Motors

Quick Start Guide

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

Visit Advancing Alternatives' YouTube Channel to Access Video Tutorials

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

Safety Information:

SHOCK HAZARD Electric shock can kill. Touching live electrical parts can cause fatal shocks or severe burns.

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:

- 1 Lever Style Limit Switch with 8' of wire
- 1 Aluminum Mounting Plate
- 4 ea. Metric Mounting Bolts (6MMx20MM)
- 4 ea. 1" - 1/2" Self-Drilling Tek Screws

Overview:

This externally mounted limit switch that mounts at the Roll-Lock, is meant to override the "DOWN" directional movement of the motor, and acts as an important safety switch to protect your motor, especially when the fabric shrinks. You will first set your motors internal limit switches to control the motors up and down stopping locations relative to the Roll-Lock and to its desired top opening position. Then, this external limit switch is to be set to slightly precede the motors "DOWN" stopping location at the Roll-Lock, to protect the motor from stress and damage.

Installation Instructions

1) Mount the bracket and the attached switch near the Roll-Lock next to the motor using the provided mounting screws.

2) The wire connections given in Figure 2 are a starting point, and may need to be changed accordingly. A qualified electrician should assist in this step of the installation. Connect the white lead from the controller straight thru the white or blue lead of the motor. Connect the black lead from the controller to the back lead coming from the limit switch. Connect the white lead coming from the limit switch to the black or brown lead going to the motor.

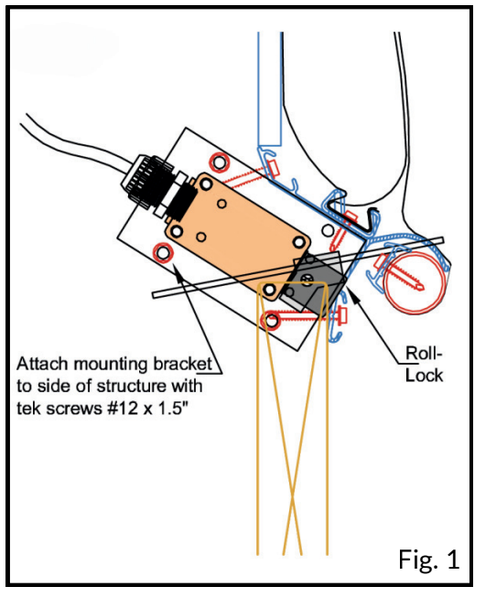


Fig. 1

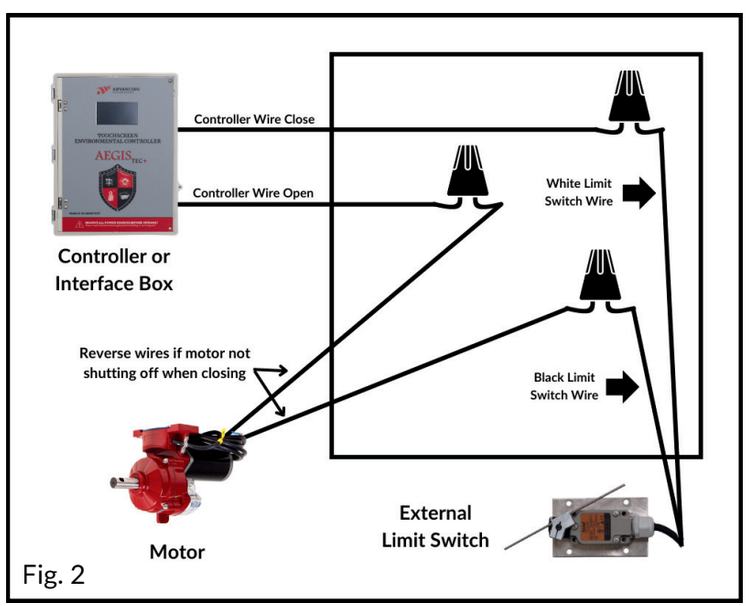


Fig. 2

Depending on the motor and direction you wish to stop your curtain, you may have to reverse the pairings of the low voltage motor wires. LVMs operate directionally via polarity, which is controlled by a transformer.

3) Move the lever rod of the limit switch up or down to adjust the “CLOSED” position. Adjusting the rod in or out or tilt it up or down to further set a position the motor to stop slightly before its internal limit switch, relieving it of tension and stress. (Fig. 3)

4) Run the motor thru several cycles of “OPEN” and “CLOSE” once your limit switch is installed and return the next day once the curtain has settled to recheck all your settings and adjust as needed. (Fig. 4)


Fig. 3

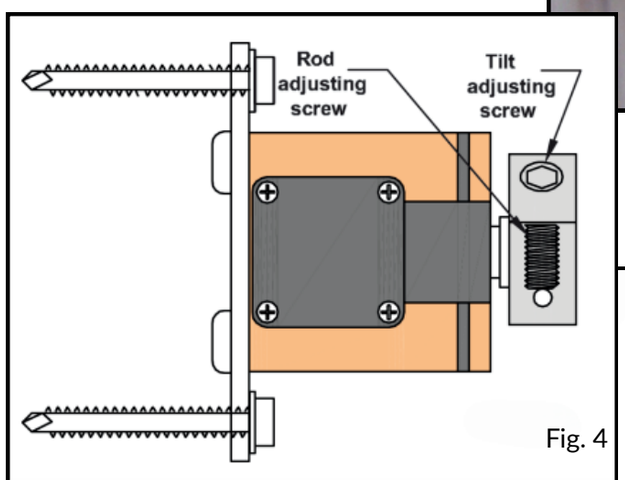


Fig. 4

Always remember to perform routine maintenance checks on all of your equipment, especially at the beginning and end of each season!

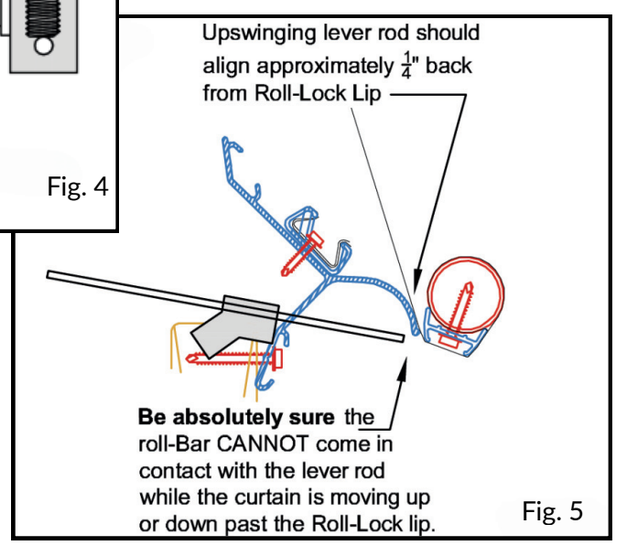


Fig. 5