



**ADVANCING**  
ALTERNATIVES

## **LSARL-LVM**

### ***Limit Switch Assembly For Roll-Lock and Low Voltage Motors***

#### **Installation Instructions**



Read completely thru these instructions before beginning your installation, to familiarize yourself and compare what you received with the instructions.



Always wear eye and ear protection. Always use gloves and other necessary safety equipment. Metal can be sharp, handle carefully to avoid injury.



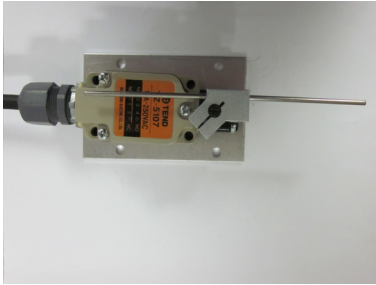
Qualified electricians should provide any electrical installation.

***For Technical Support:***

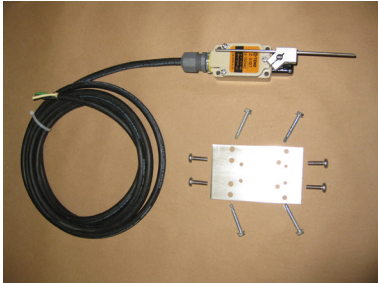
***1-877-546-2257***

***info@advancingalternatives.com***

# LSARL-LVM INSTALLATION INSTRUCTIONS



(Fig. 1)

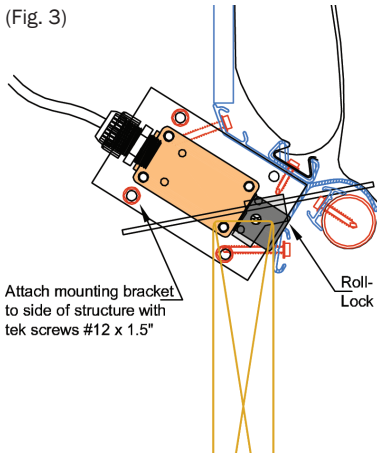


(Fig. 2)

## Components Included:

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

(Fig. 3)



## LSARL-LVM

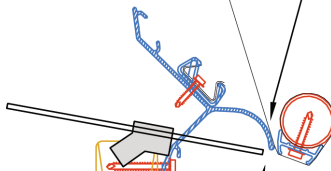
Fabric used for roll-up curtains is subject to expansion or contraction as the temperature changes. This externally mounted limit switch that mounts at the Roll-Lock, is meant to override the "DOWN" directional movement of the motor, and acts as an important safety switch to protect your motor, especially 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.

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

(Fig. 3 + 4 + 5)

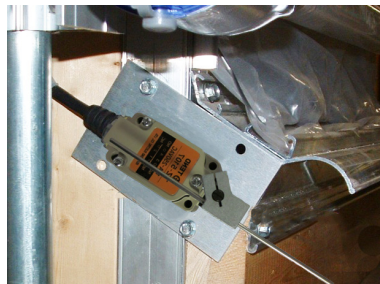
(Fig. 4)

Upswinging lever rod should align approximately  $\frac{1}{4}$ " back from Roll-Lock Lip



Be absolutely sure the roll-Bar CANNOT come in contact with the lever rod while the curtain is moving up or down past the Roll-Lock lip.

(Fig. 5)



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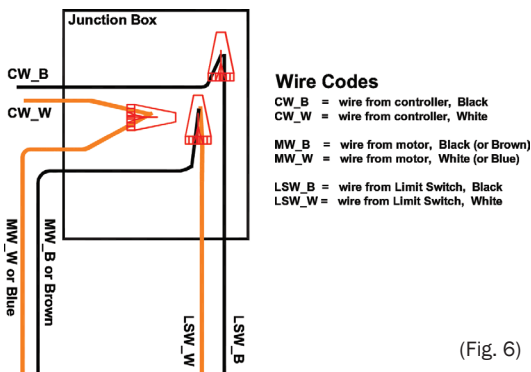
2. The wire connections given below are a starting point, and may need to be changed accordingly. A qualified electrician should assist in this step of the installation. (Fig. 6)

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.

These combinations are for example, depending on the motor and direction you wish to stop your curtain, you may have to reverse the pairings of wires due to LVMS operating directionally via polarity, which is controlled by a transformer.



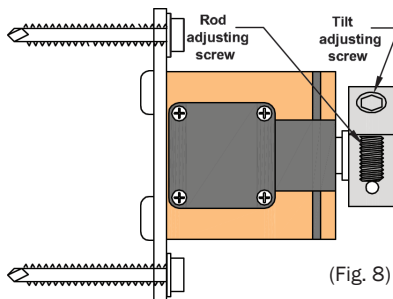
(Fig. 6)



(Fig. 7)

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. 7)



(Fig. 8)

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. 8)

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