

# *Roller Shades for Exterior Use*

# Installation Instructions

## #1. Location of Brackets.

When possible install your shade below an overhang to reducing exposure to weather.

## #2. Follow Chain Drive installation instructions on other sheet.

#3. Operate the shade fully up and down to confirm that it is rolling correctly. If rolling too one side please follow our directions “correcting the shade roll”

#4. Limit Stops-These are installed on the Chain and prevent the shade from rolling too high or too low. When the shades is fully down there must be at least 10 inches of material remaining on the roller. Note the chain side that moves up as the shade is lowered. Roll the shade to its bottom position and install the Limit Stop slightly below the Chain Drive. Raise the shade fully up. The Chain joiner link will probably stop the shade from rolling too high. If not install the 2nd limit stop.

## #3. Install The Chain Tension Device to reduces potential hazards.

Locate the Tension Device on a firm surface equal to the bottom of the Chain Loop.

A. Hold the Tension Device upright .

B. Secure with a single screw. The Chain must be straight and taut, but still operable.

#4. TIE DOWN Your shade bottom is finished with an external Aluminum Bottom Bar with two or three holes with Plastic Ties set. Lower shade to its bottom point-be sure the limit stop is in place.

Bungee Cords work quite well because they are a flexible hold down. Hook the Bungee cord end through the plastic ties. The Bungee cord must provide light tension. An excessive pull will put a strain on the shade roller mounts. Be sure the shade material will not chafe against abrasive surfaces.

#5. In the event of serious wind problems or extended storage remove the shade from its brackets or raise the shade to its full up position and tie closed at two or three points.

## #6 Chain Length R-40 Clutch-

**Please do not cut the Chain supplied with this clutch.** To achieve increased lifting power this is a geared down clutch that requires a longer chain. Every turn of the shade roller equals two turns of the clutch. Excess chain will “puddle” below the shade

**Do not use during high wind conditions**