



Any Size...Any Shape...Any Time



www.alutech.com

Cover the most challenging shaped openings with the most architecturally pleasing roll shutter on the market.

This manual is provided only as a quick reference guide and is not for the sole purpose of every application or every variance of shutter. For more help with installation instructions please contact your local sales representative.

Alutech assumes no responsibility for loss or damage resulting from improper installation. Check local building codes before installation. For hurricane rated shutters follow: Engineering installation instructions listed under individual Alutech products on [www.florida buildingcode.org](http://www.florida buildingcode.org).

All electrical connections should be made in accordance with the N.E.C., by a qualified, licensed electrician.



# CHECKING YOUR SUPPLIES

Your shutters come professionally packed for safe shipping. It is your responsibility to inspect for damages immediately. Indicate on the freight bill any visible damage to cartons. Be sure the number of boxes you sign for matches the number you receive.

Check your contents. For every installation you should have:

1 - shutter box, 1 - curtain, 2 – guide or side rails, 2 - pack out rails (if required) and miscellaneous hardware, which is shipped inside the shutter box.



You will supply mounting hardware depending on what type of structure you're installing the rolling shutter. If installing on a typical wood frame home Alutech suggests using #14x 3" stainless steel wood screws.



# PREPPING THE SHUTTER

It is important to take care during prep and installation that painted surfaces aren't scratched and that the components aren't damaged.

Remove front hood cover of the shutter box. There's a protective film on the hood and the box. It can be removed at this point or after final installation. Additional accessories will be found loose in the shutter box



Remove safety plates, for access to back corners of box.



Drill cable exits in back of shutter box for electrical connections and universal gear assembly for manual operation



## INSTALL PACK OUT AND RAIN CAP

At this point it's a good idea to double check measurements of the shutter box to insure correct placement of pack out or guide rails. Checking measurement of box is imperative when installing multiple shutters.



Measure and mark for placement of pack out and side rails



Back caulk the pack out or guide rails, depending on the installation. Be sure that the caulk covers the pre-drilled holes. The caulk serves as both adhesive and weather protection.



Attach pack out with a single screw, and then check that it is plumb and square. Continue adding the remaining fasteners. Leave top screw out or loose at this point.



Install the second pack out. Remember to caulk the back, covering the screw holes and check for plumb and square before securing.

Whenever an installation requires a pack out, a rain cap is also needed. The rain cap sits on top of and slips in behind the pack out. At this point you can secure the top screw.



# PREPPING FOR ELECTRICAL HOOKUP

All electrical work should be performed by a licensed electrician.

Drill access hole through the pack out approximately two to three inches below rain cap. Drill only into the hollow space of the wall. The electrician will fish hot wire to the shutter box. Be sure there is at least a one foot pigtail.



Measure distance from rain cap to access hole. Transfer measurement to the motor side of the back side of the shutter box and drill.



# MOUNTING SHUTTER BOX

Caulk both sides of bevel of pack out before installing side rail.

Be sure to weather seal around the hot wire where it comes through the pack out.



Insert the pins on shutter box into the tops of the guide rails.  
Lean the shutter assembly into place and feed the hot wire through the back of the shutter box.



Put shutter and guide rails firmly in place.  
Use the included self-tapping screws for fastening the guide rails to the pack out.  
Be sure to check that the guide rails are flush with outside of the pack out before securing.



It is also recommended that you also attach the shutter housing to the pack out, or in the case of no pack out to the structure of the home or building, with at least two anchors.



# PREPPING FOR INSTALLATION OF THE UNIVERSAL GEAR ASSEMBLY

Using the gear box as a guide drill a straight line through the structure, preferably through a stud. Working from the inside to the outside, enlarge the hole, through the stud only to a minimum 1/2" diameter.



Be careful not to damage any components when penetrating the shutter box. Feed universal gear/manual attachment from inside the structure, through the gear box of the motor override.



Fasten the universal gear in the room's interior.



Cut off excess hex rod anywhere outside the gear box.



## WIRING

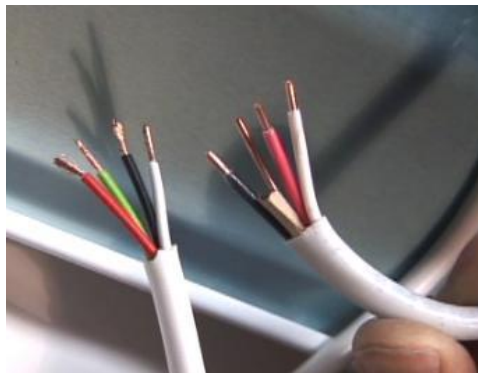
Create a drip loop for the motor wire. The loop prevents condensation on the wire from reaching the motor.



Reposition and attach the safety plates at both ends of the axle.



Please use UL approved waterproof fittings that are available at local electrical supply houses. Connect motor wire to hot feed.



Connect switch to power.



## FINAL ASSEMBLY

These are the components for final assembly which is included with your order.



First, drop the curtain over the axle. Similar to hanging up a bathroom towel.



Feed the curtain into the slots on the guide rail and slide the curtain halfway down the rails.



Unroll the front half of curtain. Be aware that the packing support tube might fall out.



The easy click t-strap hangers slide onto the end of the curtain. The Z shaped end inserts into the axle and will snap into place with slight pressure towards the axle.

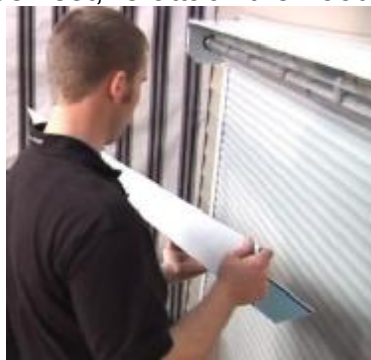


The next step is to set the upper and lower limits of the curtain travel.



Because each motor is different you'll need to review the written instructions for information on your specific model.

Once the upper and lower limits have been set, re-attach the hood cover.



Remove any protective film.



Install capper taps and guiderail hole cover plugs.



Seal all exterior gaps with caulk.



Once the curtain is in place cone stoppers must be attached to prevent the curtain from rolling up into the housing. It is advisable to pre-drill these holes prior to hanging the curtain.



Attach the handle to the universal gear for manual operation. And clean up your work area .



ALUTECH  
UNITED, INC.



- The most architecturally pleasing roll shutter on the market
- Technical Leaders
- Best Customer Service
- Best Quality
- Largest Manufacturer in the Mid-Atlantic area
- Plants strategically located to service East Coast