

# ElectraFlex

# ULTIMATE

SUPPLIES LLC

HI-SPEED VINYL ROLL-UP DOORS



## Installation Guide

No more rust, hinges, belts, cables, springs, or accidental collision woes. Carwash owners looking for a high-performance alternative to traditional overhead and glider style doors are now turning to the Ultimate Supplies ElectraFlex Roll-up Door for the answer.

# ElectraFlex Premier

## TABLE OF CONTENTS

### Introduction and Opening Preparation

Step 1 – Things to know before installing	Page 3
Step 2 – Safety Information	Page 4
Component items list	Page 5
Step 3 – Installing Curtain and Bearings	Page 6
Step 4 - Installing the Side Rails	Page 7
Step 5 – Installing the Control Box	
Step 6 - Installing Motor	Page 8
Step 7 - Start Up Procedure	
<p>*This operating system is UL325 Compliant! All inputs must be MOMENTARY CONTACTS for safety edges to function properly*</p>	

## **Step 1 – Things to know before installing**

- Installation of this door must be done by a qualified installer.
- Read the instructions completely before starting the installation of door. Become familiar with the components before assembling the door. This will reduce installation time.
- Be sure all hardware components of your new door are included. If door is missing any parts please call 800.542.7221 to speak with one of our customer service representatives.
- An assistant is required for lifting vinyl curtain, electric motor and the control box.
- A typical installation takes between 2 and 4 hours to complete.
- Assure walls are clear of any obstructions. You need at least 10” of head room above opening and 8” of side room for curtain tube and rails.

## Step 2 – Safety Information

### IMPORTANT

To protect yourself from injury you must carefully read the following safety information and warning before installing or using your new door.

### WARNING

- When working with electrical or electronic controls, make sure power has been locked out and all local electric codes are approved.
- This is an automatic door. No work of any sort should be done while the power is on. Electric shock can cause serious injury or death.
- Qualified electricians must do all electrical wiring. Wiring must meet all local, state, and federal codes.
- All units are set up for 115VAC from factory. Please see control box for instructions to change voltage requirements.
- This system is UL325 Compliant. All inputs must be **MOMENTARY CONTACT** for safety edges to function properly.

## **Component list:**

- (1) set of flex mount photo eyes with J-Boxes
  - (1) receiver
  - (1) transmitter
- (1) set of side rails
  - (1) left rails
  - (1) right rail
- (1) Curtain on Tube with idler shafts pre-installed
- (1) left bearing support with bearing
- (1) right bearing support with bearing
- (1) control box
- (1) motor with pre-installed wires
- (2) slotted motor mounts with motor bolts
- (1) bent key
- (1) packet anti-seize

\*All included items are not on the photos page.\*

### **Step 3 – Installing Curtain and End Bearing Supports**

*Important: Measure the width of the curtain (not the tube) and determine the center distance. That measurement should be 2” shorter than the actual measured door opening width.*

- **DO NOT REMOVE THE PLASTIC WRAPPING UNTIL OPERATOR IS INSTALLED!**
- Find center of curtain and center line of door opening
- Measure the length of the side rails and mount the bottom of the bearing support brackets 4” inches above that measurement and 1.5 inches to the side of the opening.
- Install curtain with center lines matching so that curtain is mounted in the center of the door opening
- Always install bolts with the nuts pointing away from the curtain
- Install at least three anchors into end support bracket

## Step 4 – Installing Side Rails

- Place rails in opening with the outside reset flange against the inside edge of the opening.
- Using a level ensure the rail is plumb from top to bottom
- Install mounting screws every six (6) inches the full length of the side rails
- Once the rails are secured the curtain should not be touching the top of the side rails. If the curtain is touching then adjust the tube in or out at the end brackets. This will ensure that the curtain does not wear out prematurely!
- All resets are located with the bottom of the reset at 7' from bottom of rail and the top of the reset at 7'6" from the bottom of the rail. This can be changed upon request at time of order.

## Step 5 – Installing the Control Box

- All motors are sent out with a 10' watertight conduit connected for ease of installation
- Locate the control box so that the wires/ conduit can be installed in the bottom of the control box.
- **\*NEVER PENETRATE THE TOP OR SIDE OF A CONTROL BOX\* THIS WILL VOID ALL WARRANTY**
- The control box should be mounted at least 4' feet above floor

## **Step 6 – Installing the Motor**

- Locate motor
- Locate anti-seize packet provided with system
- With a towel/ rag wipe the anti-seize onto the shaft where the motor will be mounted
- Slip the motor onto the shaft
- Motor must be installed with conduit closest to wall
- Install key into keyway
- Remove the plastic tube from curtain and set into brackets
- Ensure that the curtain does not rest upon the inside or outside of the rails. Adjust tube with the bearing supports so that curtain falls into the center of the rails.
- Install mounting bracket and secure to motor
- Ensure all hardware is tight leaving no loose bolts!

## **Step 7 – Start - up Procedure**

- Remove the stretch wrap from curtain and place curtain inside tracks
- Please see inside of the control box for all wiring. All wires from the motor are color coded for termination within the control box.
- **REFER TO EM2 INSTALLATION MANUAL FOR FURTHER INSTRUCTIONS!!!**





For assistance please call 1-800-542-7221.