RF Motor Control Pack & Rain Sensor Installation Instructions

• Read and understand instructions completely before beginning installation.

• Wiring must be installed according to local and National Electrical Codes (N.E.C.)

• Disconnect main power before beginning installation! Verify that power is OFF at the main breaker or fuse panel by testing.
**RF Motor Control Pack Wiring Instructions**

**Marvel Motor Remote Control Wire Diagram**

Wire size (from Panel to Motor Control)
- 14 AWG up to 100 ft
- 12 AWG up to 150 ft

110 VAC to motor control

2 Conductor (+ground) Romex or Equiv.

Dedicated circuit

Breaker Panel

Within 4 feet of first Marvel Motor
Double gang box w/strain relief
with blank cover plate

To Connect Motor Control Pack:

1) **Be sure 110volt power is “off” at desired breaker**
2) Remove cover on motor control pack (2 screws)
3) Connect 3 Motor leads to 3 point connector (Be sure to match wire colors to points as shown above)(Up to 4 motors total)
4) Connect (110VAC) power leads to 2 point connector (Wire color is not important at these connections)
5) Check wire connections
6) Uncoil Blue “Antenna” wire and route to outside of control pack
7) Switch 110VAC breaker “on” and program Remote. (Green led should be lit when power is “on”)
8) Reinstall cover on control pack **after** Programming Remote.
9) Place Control Pack into Double gang electrical box and install blank plastic cover plate. (Do not use a Metal Cover Plate)
Programming of Hand Held Remote

LED Light Conditions:
- Green Led “on” = 110vac present
- Green Led “blinking” = Remote signal received
- Red Led “on” = Receiver looking for Remote
- Red Led “off”= Remote programming is complete

To Program the Hand Held Remote:
1) Insert 2 - CR2032 batteries into Remote (not included)
2) Press and hold “Learn” button on Motor Controller
   a. Release button once the “Red” led lights.
3) Press and hold the top (open) end of a selected button on
   the remote. (button #1 is typical)
   a. The “Red” led will blink and go out when
      programming is complete.
4) Reinstall cover on Motor Control Pack (2 screws)
   a. Be Careful not to pinch any wires.
5) Insert Motor Control Pack into double gang box and install
   cover plate. (Do Not Use A Metal Cover Plate)
Hand Held RF Remote & Wall Mount

1) Push Button #1 (Up & Down)
2) Push Button #2 (Up & Down)
3) Push Button #3 (Up & Down)
4) Push Button #4 (Up & Down)
5) IR transmitter (not active)
6) Battery Door
7) Wall Mount (back)
8) Screw Hole (2)
9) Wall Mount (front)
10) Screws (2 supplied)
11) Magnet
12) Battery Holder
13) Batteries, 2 - CR2032 (not included)
To Install Rain Sensor:

1) Remove covering on applied adhesive tape.
2) Apply Rain Sensor to exterior roof surface.
   a. The Sensor should be angled at between 5 and 45 degrees to allow water to run off.
   b. The sensor can be applied to a separate plate (not included) for screw mounting.
3) Route Rain Sensor cable to Motor Control Pack location. (Double Gang Box)
4) Connect Rain Sensor plug (white mini plug) to three pin connector port as shown above.

Rain Sensor cable should not be cut or modified (lengthened)