

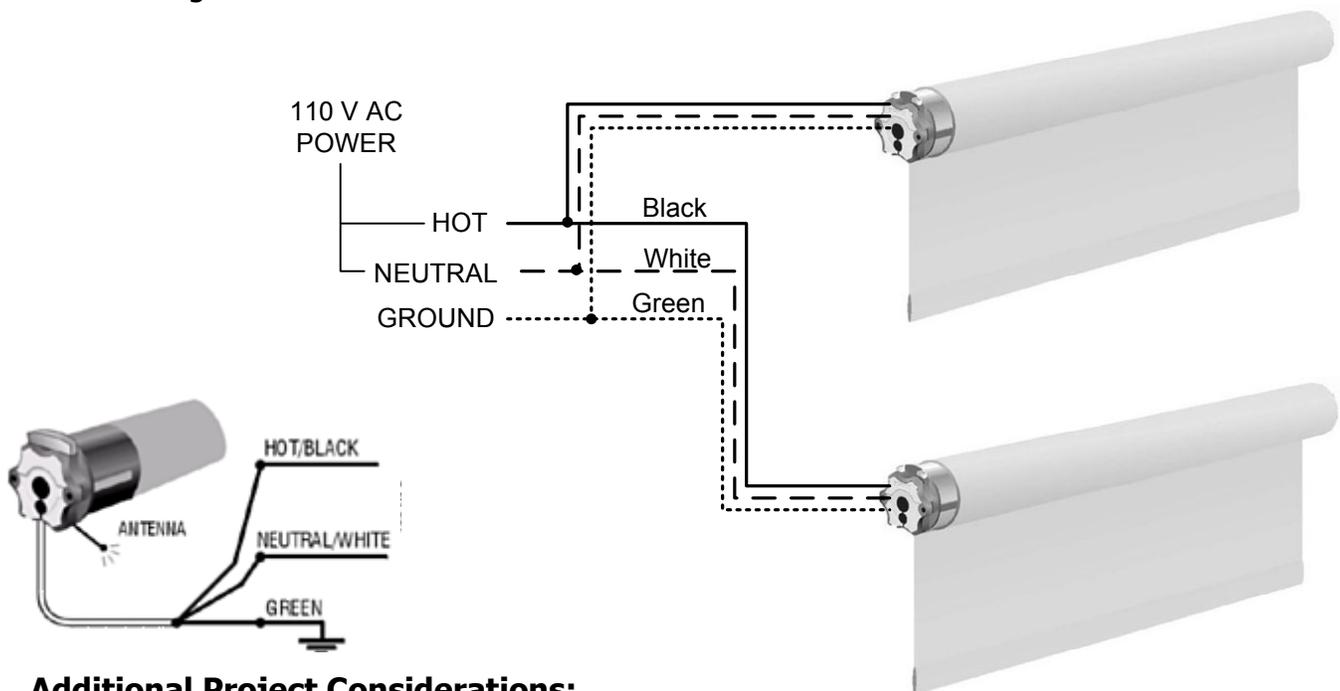


# PRE-WIRE FOR 110 V AC RADIO MOTOR

## Wireless Radio Frequency Switch Applications

### Important Motor Information

1. Insolroll Radio Motors can be wired in parallel (unlike non-radio AC tubular motors).
2. It is recommended that provisions be made to cut power to each motor individually when wiring motors with built-in radio receivers. This can be in the form of an in-line on/off switch, disconnect plug (Insolroll offers a 4-wire connector), or a 3-prong plug into outlet. The ability to cut the power to each motor individually is required to program the receiver in the motor.
3. Motors draw up to a maximum of 1.1 amps at start up.
4. Mount motor heads at least 18 inches from each other to prevent RF interference.
5. Radio motors and receivers can be programmed to operate off on multiple radio switching input devices (hand-held transmitter, wireless in-wall switch, wireless radio sensor, or home automation interface module). Range from transmitter to motor head is up to 65 ft. A Repeater is available for applications beyond that range.
6. Radio motors and receivers can be programmed to operate individually and in groups.
7. All wiring must conform to the National Electrical Code and local codes



### Additional Project Considerations:

8. The typical wiring layout requires that a outlet, J-box or 4-wire connector(only 3 wires to connect) be located within reach of the ten foot motor pigtail.
9. Install junction boxes in locations that do not interfere with the operation of the shade, allows for the motor hookup and is aesthetically acceptable. Motors for Insolroll Window Shading Systems can be located on either the left or right side. For Pre-wire, leave 3-4 feet of extra 14/2 or 12/2 wire near head of window. Check with window treatment installer for help with J-box locations.
10. On exterior installations, always install the motor wire with a drip loop to prevent water penetration.