

Description of T24A-Pdual Controlling RR24 & RP24AU

The RR24 receiver connects to the RP24AU via 4 conductor modular cable.

The RP24AU connects 115VAC power to a 4 wire motor via the 6-wide spring-loaded power connector. This same connector is used to apply power to the RP24AU.

The typical motor being controlled will have 2 windings and a start capacitor between them. Applying power on one winding will cause the motor to spin in a direction that will open a window covering. Applying power to the other winding will cause the motor to close. The motor has built in mechanical limit switches to stop the motor at the fully open and fully closed positions.

Each RP24AU operates on one of 24 “channels” to allow multiple motors to be controlled independently. The hand held transmitter can send open and close commands for all 24 channels. Plus it has specific buttons for running all motors at once and stopping all motors.

Pushing either open or close button turns power on in the appropriate direction for 3 minutes. Another push of either button, or the STOP button, causes the motor to stop.

In either mode, once the motor is running, power is applied for 3 minutes, even though the motor may finish moving before this time is up. During this time, 2 button pushes are required to start the motor because the 1st button push is seen as a stop.

Manual switches may also be used to control the motor, and are connected to the small screw terminals on the RP24AU.

The RP24AU is designed to receive a command sequence from an infrared “eye”. The RR24 accepts radio commands and converts them into the appropriate IR command. This conversion is needed because radio commands must have an address associated with them so different controls can be used in different parts of a house controlling different motors. With IR this is easily accomplished as IR does not pass through walls.