

There is a 24VAC to 34VDC unregulated voltage on the board. The 34VDC is used to create 10VDC and 5VDC linear power supply circuits. The 34VDC is also used to power the coils of the output relays. The output relays connect 24VAC to the external output loads, typically 24VAC contactors. The 10VDC is used for the manual (wired) switch inputs. These are part of the larger controller package and have not been included as part of the set up. There are five switch inputs: UP, DOWN, AUTOSTOP, AUX, and LEARN/CLEAR. The transmitter duplicates the functions of the UP, DOWN, and AUX switches. The STOP button on the transmitter will shut off the UP and DOWN functions. There are also two limit switch inputs on the module. These are 24VAC input circuits that interface with the devices connected to the UP and DOWN output relays. If a limit switch is tripped, the corresponding output relay will shut off. The test harness connects these inputs so they will not cause the outputs to shut off. The RF portion of the module operates at 915MHz. The antenna is long because it is clipped to the inside walls of a sealed enclosure. It ends up having three 90 degree bends in it.