

Application and Installation Requirements:

The reel will draw 40+ amps. The battery, powering the reel, must be a minimum 650 CCA. You must have a charging system on your battery while running the reel. Either with a gas engine magneto which is a minimum of 10 Amps charging capacity or the controller must be connected to your vehicle battery which is charged with your vehicle alternator.

The control's Red and Black power wires must be connected **directly to your battery** with a minimum of 10 gauge wire. You must assure a solid crimp and coat the wires with dielectric grease before installing the butt connector/crimp. Do not connect the Black wire to a bolt, on the reel, nor a vehicle ground. You must assure a solid crimp and coat the wires with dielectric grease before installing, and crimping, the battery connector. All battery connections must have dielectric grease.

The control is designed for spray equipment reels, with a 12V PMDC (Permanent Magnet DC) motors, no larger than 1/3 hp motors. The control cannot be used for hydrojetter's high pressure hose reels.

The Speed Knob On/Off switch must be "on" for the remote, and controller, to function. It is recommended to turn the Speed Knob Switch to "Off" when the reel is not in use.

The RM12R also has a reel variable speed control. The control has **undervoltage protection** in wireless mode. If your control senses low voltage due to a low battery, or a voltage drop due to bad battery connections/connectors, the control will turn off. When the voltage comes back up, the control will turn on if a transmitter button is depressed. This means connection problems must be fixed.

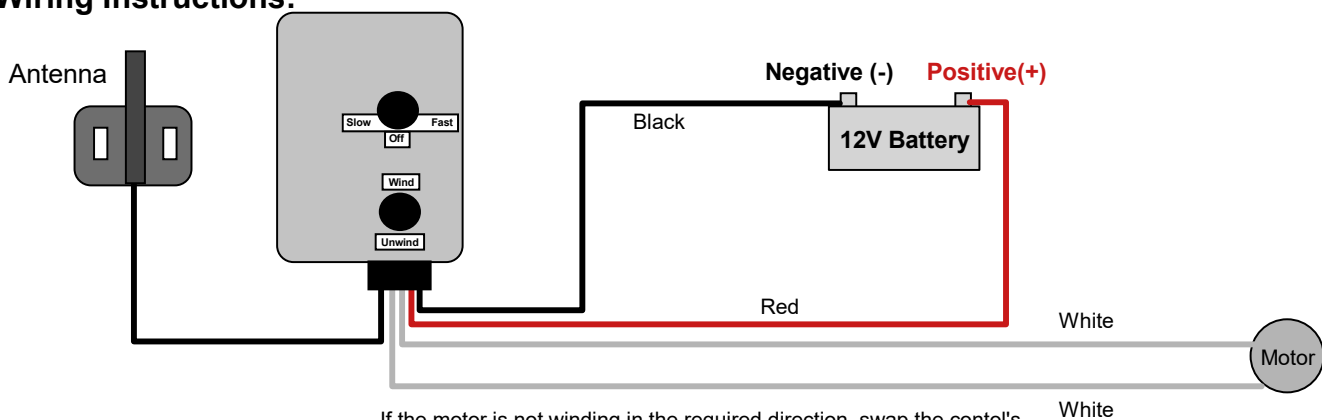
Mounting:

The antenna is "long range" and may be sensitive to motor wires and motor interference. It is recommended the antenna be mounted as high as possible above the motor and motor wires. Mount the antenna straight up, vertically.

Transmitter:

The "UP Arrow" will wind the reel. The "Down Arrow" will unwind the reel. The transmitter is "programmed" to the control. The last 3 digits on the transmitter S/N is programmed with the last 3 digits on the main control box's S/N. The transmitter will not function any other control. The control will not function with any other transmitter. If you lose your transmitter, you may purchase another transmitter directly from Qualitech, with instructions to program the transmitter to your main control. The transmitter utilizes a standard A23 battery. If the blue transmitter LED does not light when transmitting, replace the battery.

Wiring Instructions:



If the motor is not winding in the required direction, swap the control's two white wires with the two motor wires.

Warranty:

The control warranted, by the manufacturer, to be defect free from faulty materials or workmanship. If a defect occurs within the 1 Year Warranty period, the control must be shipped to Qualitech for "cause of fail" analysis. If it is determined 1) the control was not wired per these wiring instructions, 2) the control was opened or altered or, 3) the control was subject to an application it was not designed for, then the manufacturer is not responsible for liability situations or warranty of the product. After the 1 Year Warranty, the customer may send the unit in for a repair quote.