New Wiring Instructions:

**NOTE:** Motor direction can be changed by reversing these two wires with the two motor wires (#5 and #6).

Motor wires #1, #2, #3, #4 are not used when using the MD115 Speed Control. The AC to DC rectifier function is integrated in the speed reducer and these four wires are not required. There is no voltage or current in these 4 wires when the motor, or speed control, is operating. You may insulate these with electrical tape and secure these wires so they do not hinder the reel drive mechanism.

**White (Neutral)**

**Black (Hot Leg)**

For a **115 V AC Input**

- Black (Hot Leg)
- White (Neutral)
- Yellow
- Orange

For a **230 Volt AC Input**

- Black (hot)
- White (hot)

**Double Pole / Single Throw** Pushbutton **On/Off Switch**

You must use a Double Pole / Single Thow momentary pushbutton switch. When the pushbutton is pressed, the Orange wire makes connection with the motor wire providing 115 Volt DC to the motor and the Yellow (5V signal) wire tells the controller to soft start the motor. When the pushbutton is released, the Orange wire is disconnected from the motor wire allowing the reel to turn freely and the Yellow disconnect on the Yellow wire tells the controller to turn off the motor. If you do not want to wire up a DPST switch, you must purchase the MD115S, with the on/off motor switching function.

**Circuit Protection** - The installer must provide the 12 AWG feed lines (hot leg and neutral), protected by a 15 Amp circuit breaker in the electrical service panel. Do not use a ground fault breaker for the motor controller circuit protection.

**Warranty:**

Altering, or removing, the black Qualitech tamper proof label will void the warranty. The control is warranted by the manufacturer to be defect free from faulty materials or workmanship. If any defect is found within the 1 year Warranty period, the company will repair the equipment without charge for materials and labor. If it is determined that the cause of fail was due to poor battery connections, mis-wiring, or the control was taken apart, we will provide a repair quote prior to repairing.

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Qualitech, Inc. (518) 482-3680