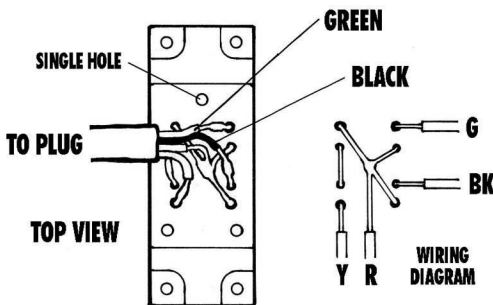
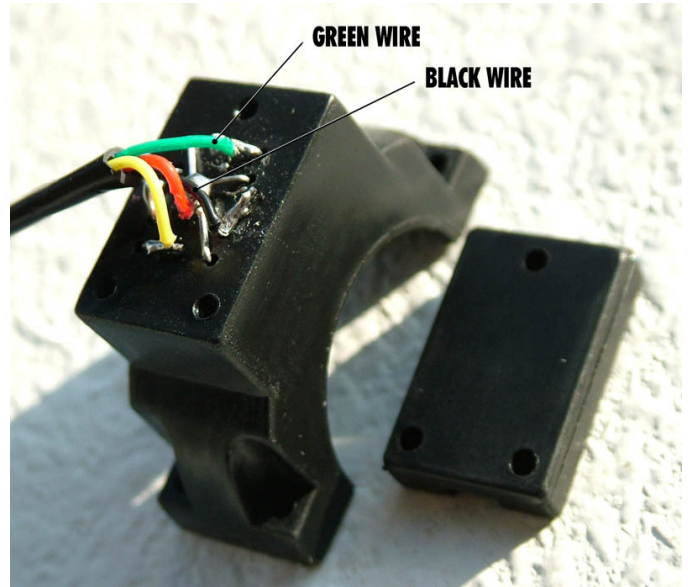




Reversing the Direction of the Reading on the X-axis of the Digital Readout

The X-axis readout is designed to read negative numbers when the handwheel is turned in the clockwise direction and positive when turned counter-clockwise. Should you wish to change your readout so that it uses a standard x-y plot, you can do so by switching two of the four wires coming from the encoder for the X-axis.

To do so, unplug the X-axis cable from the readout box. Remove the four screws that secure the lower housing to the upper housing and then remove the encoder halves from the handwheel. On the bottom of the half with the encoder is a cover plate secured by three screws. Remove these screws and the cover plate. This will expose the soldered connections for the four wires coming from the encoder. To reverse the direction of the readout, unsolder the green and black wires. Reverse their position and re-solder to the encoder leads. Reinstall in reverse order. The diagram below shows the factory locations of the wires before the swap is made.



A photo of the X-axis encoder housing with wires as they are attached at the factory. To reverse the direction of the reading, unsolder and swap the green and black wires and then re-solder and reassemble.

Encoder housing seen from outside with cap removed. Wires are shown in order as they come from the factory.

NOTE: The wires and solder joints are small and delicate. If you don't have a suitable soldering iron and a little expertise along these lines you may return your encoder housing to the factory and we will make the change for you for a nominal charge. Call (800) 541-0735 during business hours M-F, 8-5 for a **RMA** (Return Merchandise Authorization) number, and instructions on how to return your housing.

Thank you,
Karl Rohlin, Vice President of Manufacturing
Sherline Products Inc.