


Step 1. Review your kit. Make sure the following parts are included:

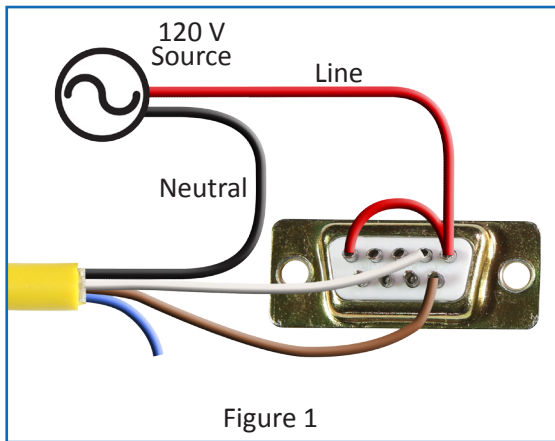
Part Number	Description
99-10704-01	Red/green signal tower light
99-10429-01	9 Pin DSUB connector (male) <i>(for units with REMOTE INPUT and REMOTE OUTPUT)</i>
99-10256-01	9 Pin DSUB connector (female) <i>(for units with single REMOTE I/O)</i>
99-10430-01	9 Pin DSUB connector shell with 4 screws
99-10096-01	Heat shrink tubing (6 inches)

You will also need a flat head screwdriver, wire cutter, soldering iron and solder.

Step 2. Solder the wires to the rear of the 9 Pin connector as illustrated in Figures 1 and 2.

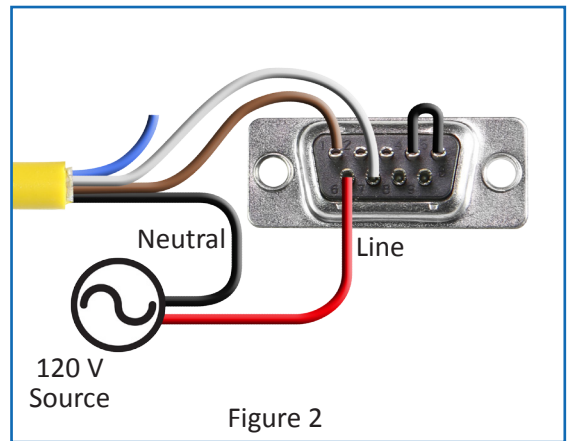
WARNING  DO NOT work with live voltage when making the connections described in this document. Ensure that any power sources are off or disconnected when making connections between the Signal Tower Light and 9 Pin DSUB connector.

For male connector (part # 99-10429-01)



Wire Color	Description
Black	Neutral from 120 V Supply
White	Pin 2
Brown	Pin 6
Blue	Not used
Line or "Hot" wire from a 120V Supply to Pins 1 and 5 on the 9 Pin connector	

For female connector (part # 99-10256-01)



Wire Color	Description
Black	Neutral from 120 V Supply
White	Pin 7
Brown	Pin 1
Blue	Not used
Line or "Hot" wire from a 120V Supply to Pin 6 on the 9 Pin connector	
Pins 4 and 5 must be shorted in order to disable the unit's interlock. A small piece of wire may be used to short Pins 4 and 5	

Note: You will be responsible for wiring the 9 Pin connector and signal tower wires to LINE and NEUTRAL from an external supply. It is recommended to use solder and heat shrink in order to connect NEUTRAL to the black wire of the signal tower light and LINE to the 9 Pin connector and external supply.

Step 3. Assemble the 9 Pin connector and connect to the instrument, as illustrated in Figure 3.

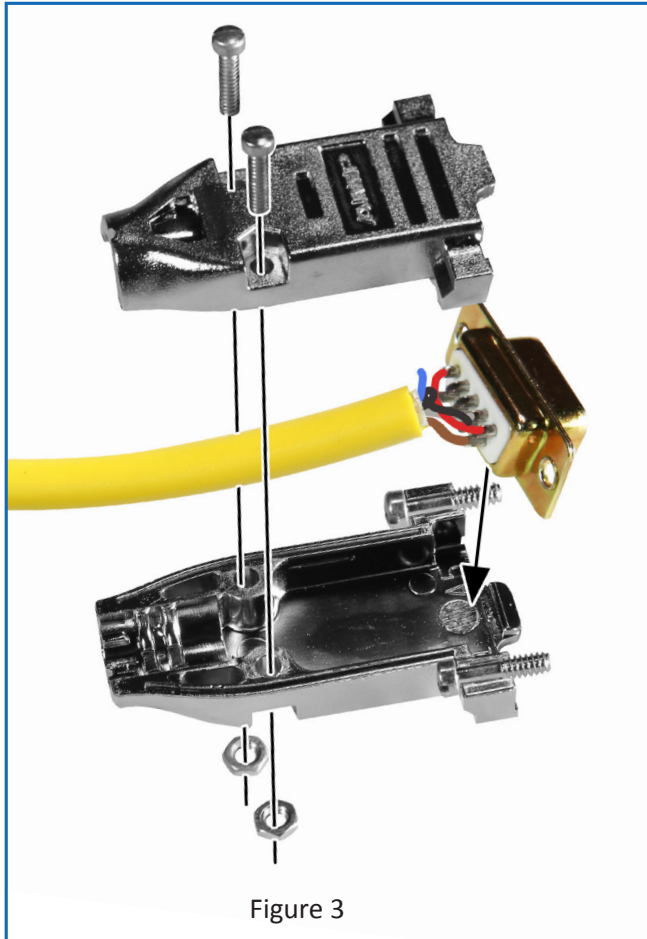


Figure 3

1. Connect the wired 9 Pin DSUB male connector to the bottom part of the connector shell.
2. Clip the top part of the connector shell over the 9 Pin connector. Ensure the 9 Pin connector is secured by both sections of the shell.
3. Push the two fully threaded screws through the connector shell holes.
4. Secure the nuts on the opposite end of the threaded screws using a screwdriver.
5. If using a unit with a SIGNAL INPUT and SIGNAL OUTPUT, plug the connected assembly into the SIGNAL OUTPUT port on the rear panel of the safety testing unit. If using a unit with a single REMOTE I/O, plug the connected assembly into the REMOTE I/O port on the rear panel of the unit.
6. Using a screwdriver, screw the partially threaded screws to secure the 9 Pin connector assembly to the rear panel of the instrument.

Step 4. Verify the test is in process, the PROCESSING bit will be active and the red signal light will illuminate. This indicates that the testing station is not safe to approach. When the test completes with a pass, the green light will momentarily illuminate.