



IKONIX

40417 INSTRUCTION SHEET

Signal Tower Light 24V Installation

Introduction

This instruction sheet covers the installation of the Signal Tower Light 24V. The light is compatible with the following Ikonix instrument models:

IKONIX BRAND	MODEL
Associated Research	OMNIA® II Series
	HypotULTRA® Series
	Hypot® Series
	HYAMP® Series
	HypotMAX® Series
	LINECHECK II (620L)
SCI	290 Series
	260 Series
	440 Series

Included Parts

Check to make sure the following parts are included:

PART NUMBER	
40418	Multi-Colored Signal Tower Light
37638	9 Pin DSUB connector (male)
38256	9 Pin DSUB connector shell with 4 screws
40419	Power Supply 24V DC
40420	Power supply adapter
*NOT INCLUDED	Flat head screwdriver, wire cutter, soldering iron, heat shrink tubing, heat gun and solder



Note: Inspect the part for any damage. If the part shows signs of damage, please contact our Customer Care Group at **+1-800-858-8378** or email at **info@ikonixusa.com**.

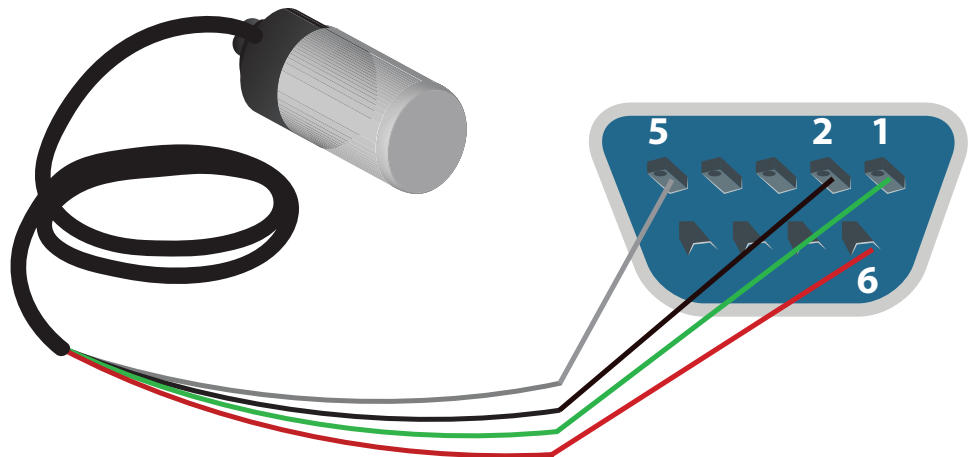
Installation

1 SOLDER

Solder the signal tower wires to the rear of the 9 Pin connector as illustrated in **Figure 1**.

Note: Before soldering ensure the wires fit tightly inside the connector. If using heat shrink tubing, see section 5 before soldering.

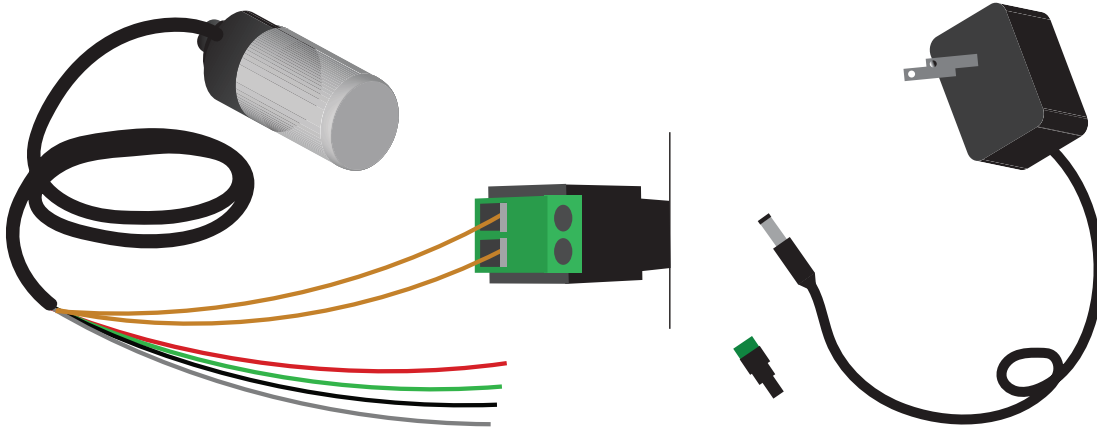
Wire	Pin #
Green	1
Black	2
Gray	5
Red	6



2 POWER CONNECTION

Using a small screwdriver connect the two Brown cables to the 24 V supply connector's Positive "+" and Negative "-" ports.

Note: Unused wires (White, Blue, and Yellow) should be properly cut and trimmed back. These wires are not required for operation in two light mode.

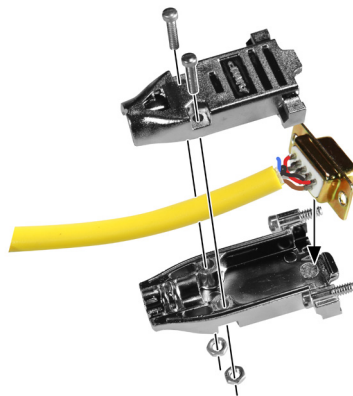


Warning: DO NOT work with live voltage when making the connections described in this document. Ensure that any power sources are off or disconnected when making connections between the Signal Tower Light and 9 Pin D SUB connector.

3 ASSEMBLE

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

- Connect the wired 9 Pin DSUB male connector to the bottom part of the connector shell.
- 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.
- Push the two fully threaded screws through the connector shell holes.
- Secure the nuts on the opposite end of the threaded screws using a screwdriver. DO NOT over tighten and avoid damaging the wires.
- Plug the connected assembly into the SIGNAL OUTPUT port on the rear panel of the safety testing instrument.
- Using a screwdriver, screw the partially threaded screws to secure the 9 Pin connector assembly to the rear panel of the instrument.



9 Pin Connector

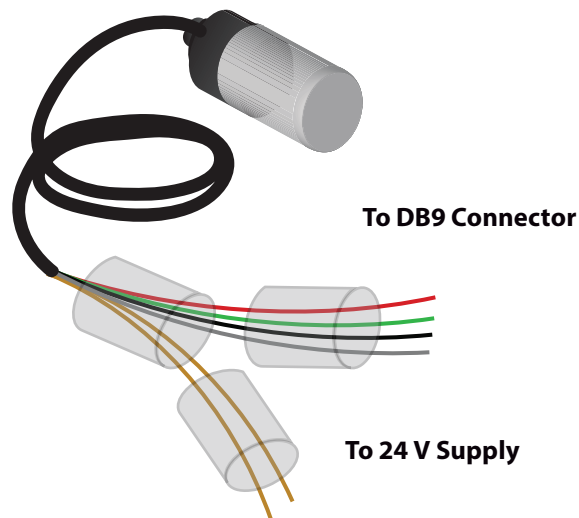
4 VERIFY

Connected the 9 Pin DSUB assembly to the Signal Output port of the test instrument. Run a test to verify the test is in process, the PROCESSING bit will be active, and the red signal light will illuminate and flash. This indicates that the testing station is not safe to approach. When the test completes with a PASS, the green light will illuminate.

5 HEAT SHRINK TUBING (Optional - Tubing Not Included)

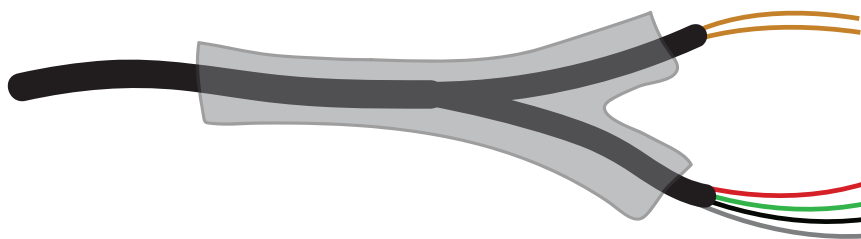
Assemble shrink tube onto the wires, as illustrated in **Figure 4**.

- Slide 1st tube over all wires.
- Slide 2nd tube through Red, Green, Black, and Grey wires that will connect to DB9 connector.
- Slide 3rd tube through two brown wires that will be connected to 24 Volt supply.
- Unused wires should be properly cut and placed under the tube.
- DO NOT shrink the tube until after the steps for soldering and power connections.



6 HEAT (Optional)

Use a heat gun to shrink the tubing until it is tightly secured on to the wires. Avoid damaging the wires by not overheating any one spot on the shrink tube or the wire. Heat the heat shrink tube to form an overlapping Y shape at the junction.





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