SUPER SIGNALS™ Installation & Wiring Instructions

DMW-50101

IMPORTANT: Read instructions thoroughly.

Super Signals™ are tested multiple times during assembly and once again just before they are packaged.

This is a properly functioning Super Signal™.

It's easy to fry delicate electronics if one is not paying attention (we know from experience!) so follow closely the instructions below and installation will be an easy experience.

1. INSTALLATION

- Drill a 3/32" hole in your layout where you want the signal located.
- Pass the wires and the copper tube at the bottom of the Super Signal™ through the hole
- Fix the Super Signal™ in place. We suggest using white glue (diluted or not) or a product such as Woodland Scenics™ Scenic Cement.

2. POWER

We have tested Super Signals™ thoroughly using 16V AC and recommend you use the same.

If using another power source, the LED manufacturer recommends a power source of no more than 3V (after appropriate resistor(s) have been connected in series). A 470 ohm limiting resistor has been included to prevent burnout.

3. CONNECTIONS

Red wire powers the red aspect of the LED.
Your block detection/signal system should provide power to the red wire when you want the Super Signal™ to show red.

Green wire powers the green aspect of the LED.
Your block detection/signal system should provide power to the green wire when you want the Super Signal™ to show green.

Copper tube functions as the neutral 'wire,' carrying the circuit back to the original power source.

ULTRA IMPORTANT: The included 470 ohm resistor MUST be connected in series to the copper tube to prevent burnout, either directly or via an intermediary wire.

Failure to use the resistor will fry the LED and turn your Super Signal™ into a lovely but non-functioning piece of lineside hardware.