

# Installation Guide

## VARAD Air Cable Lighting Kit

RCN700, RCN703, RCN704, RCN705

Parts Included: See Diagram 1

1. Driver with 9 volt battery connector.
2. One 5ft. piece of 3D Neon Cable.
3. Super glue
4. Two pieces of foam tape.

Parts Required:

1. 9 Volt battery.

Before you begin

**HIGH VOLTAGE!** - The driver used for this product is a very high voltage device. Be sure to read and follow the guidelines below for safe and enjoyable fun.

1. Do not connect the battery to the driver until the Cable has been installed and connected to it.
2. Do not touch the terminals with hands or tools when the Cable is turned on.
3. Do not attempt to open the driver. Failure to do so shall void warranty.

Installation hints.

Electroluminescent Cable can be used to create many lighting effects for your R/C model. It is flexible, water proof and can be trimmed to any size. The trimmed sections of Cable can also be reused by following the instruction on the lower portion of this installation guide.

Parts

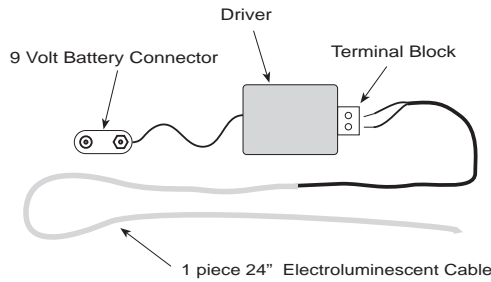


Diagram 1

### Step 1: Install driver and 9 Volt Battery

Find a suitable location for installation of the driver and 9 Volt battery. It is recommended that both pieces be installed next to each other for convenience.

#### R/C Aircraft

The combination of battery and driver should be used as an alternative for weights to balance the aircraft. It is recommended that you install the driver and battery inside the aircraft for protection against fuel residue.

#### R/C Boat

Both the driver and battery must be installed inside the water proof housing section of your boat. The Cable can be installed anywhere on the outside as long as the end of the cable has been sealed against moisture with the provided super glue.

### Step 2: How to install Electroluminescent Cable

Electroluminescent Cable can be super glued to any surface by using the provided super glue. Before you begin installation it is recommended that you plan out the length required and the path. Once you have determined the location you want to install the Cable begin by trimming of any excess material. Start installation by gluing down the end of the Cable first and then working backwards to the beginning of the cable. The Cable requires only small amounts of super glue to hold it in place. Once installed to any surface it will become permanent!. After installation of the Cable is completed, simply connect the two black wires to the terminal blocks on the driver and connect a 9 volt battery.

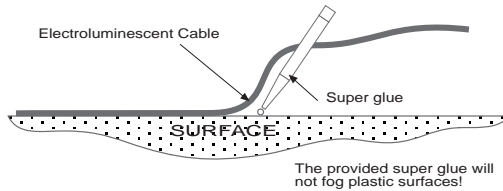
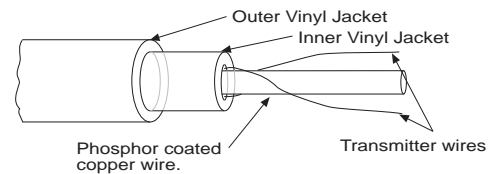


Diagram 2

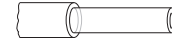
### Electroluminescent Cable Technical Detail



### How to reuse trimmed portions of Cable

You will need to purchase 1/8" diameter heat shrink tubing for this procedure. Available at your local electronics shop

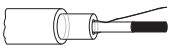
**Step 1:** Strip Outer Jacket of cable with 16 Gauge Stripper.



**Step 2:** Strip Inner Jacket of cable with 20 Gauge Stripper. This step should be done very carefully without damaging the 2 transmitter wires. If the transmitter wires are damaged cut wire and start with step 1 again.



**Step 3:** Using Exacto Knife. Scrape of 1/4" white phosphor around wire. Revealing the copper wire



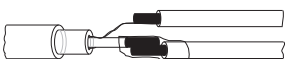
**Step 4:** Solder 22 Gauge wire to the inner copper wire.



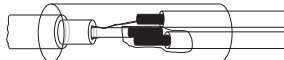
**Step 5:** Apply heat shrink tubing over the soldered wire and shrink it. Be careful not to apply excessive heat.



**Step 6:** Solder 22 Gauge wire to the 2 transmitter wires



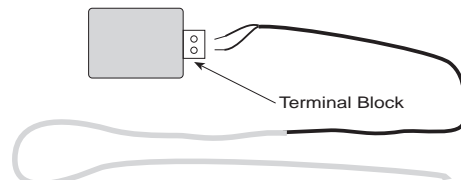
**Step 7:** Slide heat shrink tubing over the connected wires.



**Step 8:** Apply heat shrink tubing over the soldered wire and shrink it. Be careful not to apply excessive heat.



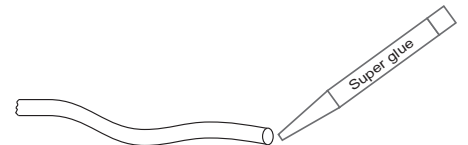
**Step 9:** Connect the Cable to the driver terminal blocks



### IMPORTANT!

#### Moisture protection

After installation of the Cable you must apply a small drop of super glue at the end of the cable. This prevents any possibility of shorting due to moisture or water.



### Warranty Information

It is recommended that you use this product without modifying its original form. User understands that any modification of this product (i.e. trimming, cutting) will void all manufacturers warranty.

This kit is warranted against manufacturers defects only for a period of 90 days. This warranty does not apply to section that have been cut, soldered and installed.