



ENGINEERING COMPANY, INC

Route 145, Winthrop Road  
Chester, CT 06412-0684  
TELEPHONE: (860) 526-9504  
TOLL FREE: 1-800-637-4736  
FACSIMILE: (860) 526-4784

# RACETRACK SERIES

## SIGNAL/CONTROL UNIT

MODEL RTR3AG - 120 VAC, 2 STROBES, 3 LAMPS

### SPECIFICATIONS

Voltage: 120 VAC (nominal)  
Average Current: .8 Amps  
Peak Current: 2 Amps, @ 1 ms pulse  
Temperature: -30°F to 140°F

### Description

The Whelen Racetrack Signal, Model RTR3AG, consists of a visual signal unit and a control unit. The signal unit is made up of a RED steady burn LED section, a GREEN steady burn LED section, and a section with an AMBER steady burn LED and two synchronized AMBER strobes, plus 20' of interconnect cable. The control unit consists of a weatherproof enclosure with a strobe power supply and a connectors for wiring to the AC control voltages and the signal unit.

Each visual signal is activated by simply applying 120 VAC to the appropriate input on the control connector.

### Installation

1. Remove the cover of the control unit housing.
2. Mount the control unit through the four holes in the housing. Be sure use the four sealing washers, to seal the holes against water, if installed in a wet area.
3. Route the cable from the light bar through one of the knockouts.
4. Locate the 12 position connector along the bottom of the power supply circuit board. The plug may be removed to simplify wiring. Use a small flat blade screwdriver to install the strobe head wiring, as shown below. Strip the wire about 1/4".
5. Connect the 120 VAC Neutral to the White wire. Wire nuts may be used.
6. Connect the AMBER Strobes 120 VAC Hot wire to the Yellow wire.
7. Connect the RED LED 120 VAC Hot wire to the Red Wire.
8. Connect the GREEN LED 120 VAC Hot wire to Green Wire.
9. Re-install the cover.

