MODEL LC110-S8 SPECIFICATIONS

Single 8" Yellow/Amber LED School Zone Beacon (Meets MUTCD & ITE Standards)

Solar Panel

• Maximum Power (P max)	30 W
• Voltage at Pmax (V mp)	17.3 V
• Current at Pmax (IMP)	1.73 A
• Short-Circuit Current (Isc)	1.93 A
• Open-Circuit Voltage (Voc)	21.6 V

Solid State Regulator

Electrical Specifications:

• Voltage:	12V
• Rated Solar Input:	10A
• Rated Load Current:	10A
• Equalization Voltage:	14.8V
• Boost Battery:	14.4V
• Float Battery:	13.6V
• Low Voltage Disconnect:	11.1V
• Low Voltage Reconnect:	13.1V
• Self-Consumption:	6 mA
• Operating Temp.	-35 to +55ºC

Traffic Hazard Beacons

Polycarbonate Housing:

- 8" light housing plastic injected molded polystyrene tufen u.v. impregnated material for ultra violet rays

LED:

• Color	Yellow/Amber
• Applied Voltage	12V DC
• Power Consumption (watts)	5
• Dominant Wavelength (nm)	592
• On Axis Luminous Intensity (Min)	350 cd
• LEDs per signal lamp	83
• Intensity loss due to single LED failure	1.2%
• Operation Temperature	-40°F to +165°F

Solid State Flasher

- Input voltage of 12 VDC
- Flash rate 60 F.P.M.
- Input voltage of 12 VDC (2 terminals)
- Two outputs of 12 VDC (4 terminals)
- Capable of switching 5 amps @ 12 VDC
- Input and output terminals 1/4 male quick connect
- Epoxy encapsulated construction
- Flasher is 3" x 1½", two outer mounting holes

Control Cabinet/Battery

- Cabinet is 24" x 15" x 9", .080, aluminum, "lockable", to be located per state specifications.
- Recommended battery shall be 100 amp deep cycle marine. **(Options Available)**
- Signage and pole. **(Options Available)**

Programmable Timer Module

- 500 Program Steps – Steps may be assigned to any program for a total of 500 steps.
- 32 Programs – Main program plus 31 alternate programs that are called by the exception periods.
- 63 Exception Periods – Periods that call alternate programs.
- Programmable Momentary Outputs – Timed outputs from 1-250 seconds.
- 1, 2 or 4 Relay Options – 16A 30VDC/250VAC
- Nonvolatile Memory – Retains program data with loss of power.
- Clock Capacitor Backup – Powers clock during power loss.
- DC and Backup Power Clock Accuracy - +/- 0.002% at 78F
- Synchronous Timing on AC Power
- Automatic Leap Year Compensation
- Automatic Daylight Savings Time Compensation – User programmable.
- Unit to Unit Data/Time/Date or Time/Date Transfer
- 2 Line x 16 Character Backlit Liquid Crystal with A utomatic Contrast Adjustment
- Audible Beeper for Status Indication During Programming
- 120VAC or 12VDC Operating Power