"Wireless" Traffic Control Solutions

DPC-2000 Integrated Charge-Flasher Control Unit

Features

- 15-amp solar charge regulator
- Integral dual circuit flasher
- Temperature compensated charging algorithm
- Low battery disconnect
- Automatic night dimming
- Integral on/off switch and external control input
- Solid-state design
- Built-in battery fuse
- 8-position terminal block
- Rugged aluminum package
- Continuous operation or night only

Benefits

- All-in-one unit simplifies flasher system design
- Complete documentation package included
- Solar power - free energy source eliminates need for utility hook-up
- Cost effective, affordable prices to fit your budget
- Low installation and operating costs
- Virtually no maintenance
- Quick to deploy in most locations
- High level of integration minimizes installation time
- Increases public safety
- No power drop; no trenching; no boring; no sweat
- Designed specifically for user's application site*

*We need your project's location, load and duty cycle. Insure that your system is properly designed with a Sizing Report - the basis of your warranty - call STC or visit our website; click on Provide Your Requirements. Fax or email completed form to STC.

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Applications

- School zone and 24-hour flashers
- Remote activated flashers
- Sensor activated flashers
- Pedestrian flasher systems

DPC-2000 Integrated Charge-Flasher Control Unit

The DPC-2000 Integrated Charge-Flasher Control unit is a unique building block for solar flashing beacon systems. It is designed for use with select LED lamps and halogen lamp systems up to 35W.

The unit features a 15 amp, temperature compensated, solar charge regulator with a 6-amp dual flasher circuit. It also includes an automatic night dimming circuit which applies Pulse Width Modulation to dim the lamp load at night or under low light conditions. A built-in battery fuse located on the unit provides a safety factor. An 8-position terminal block is included which allows the user to easily connect the unit into the circuit.

The on/off/external switch on the front cover allows for manual control. Use the switch to run the unit continuously or activate it through an external dry contact closure. The auto track/night run switch provides continuous operation or night operation only as detected by the built-in photocell.

Solar Power: a free source of energy

Our solar-powered systems are designed for quick and easy installation in the field. STC's careful front-end engineering minimizes your installation costs and provides years of trouble-free operation. The standard solar power system includes the solar array, system enclosure with all the necessary electronics, color-coded wiring harnesses, sealed batteries and full documentation. DC LED lamp kits can also be purchased. These include the LED beacon, lamp housing, and mounting hardware.

STC Systems are Cost Effective:

Our 24-hour solar flasher systems allow you to stretch your budget to obtain the traffic safety devices you need at affordable prices. Most systems are equivalent to the cost of obtaining an AC power drop. Battery life for these systems is typically three to six years: less expensive than grid electricity for the same period of time.

Solar Traffic Controls (STC) provides solar-powered traffic control systems for city, state and federal DOTs; police, firefighting and public works departments; facility maintenance and plant safety industries. Our primary products are solar-powered flashing beacon systems used for school zones and 24-hour applications. We also supply specialized flasher systems using environmental sensors and custom communications packages to control the flashing beacon systems. Our product spectrum also includes wireless power systems for ITS, EMS and HAR. STC's products and services are sold through a network of regional distributors who offer technical support for your project.

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