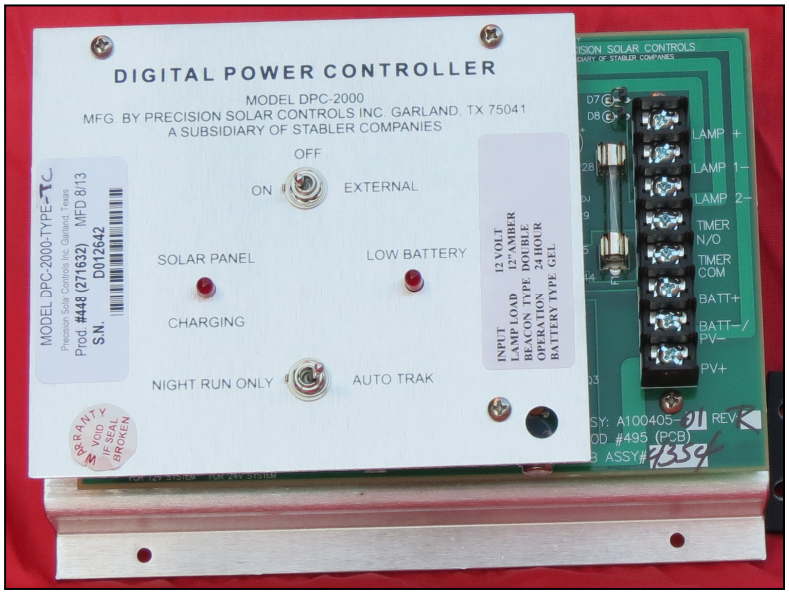
"Wireless" Traffic Control Solutions

DPC-2000 Integrated Charge-Flasher Control Unit

Features

- Solid-state design
- Built in battery fuse
- 8-position terminal block
- Rugged aluminum package
- Integral dual flasher circuit
- 15-Amp solar charge regulator
- Status LED indications on unit face
- Automatic night dimming (PWM)
- Integral On/Off switch for local control
- External input for flasher control
- MUTCD compliant flash pattern (50-60 FPM, Section 4L)
- Temperature compensated charging algorithm
- Complimentary drive circuit (50% on duty cycle, Section 4L)
- Low Battery warning and disconnect (LVD)



Benefits

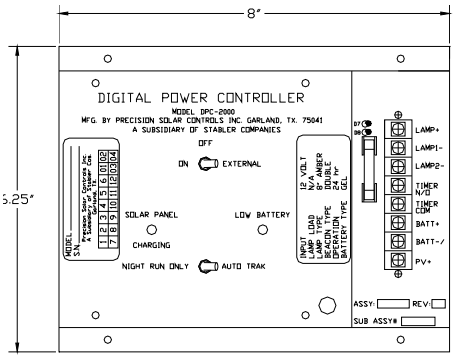
- Minimizes spares inventory
- Simplifies troubleshooting/maintenance
- All-in-one unit simplifies flasher system design
- Extensive field track record in Canada and the US

Applications

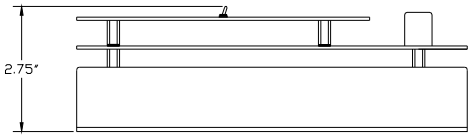
- School zone beacons and 24 hour hazard beacons
- Remote activated solar beacons
- Pedestrian crossing solar beacon systems
- Fire station/EMS exit solar beacons
- High water solar beacons
- Game crossing solar beacons

Detailed Description:

The DPC-2000 Integrated Charge/Flasher Control unit is a unique building block for solar powered flashing beacon systems and can be calibrated for use with a variety of DC LED signals.



FRONT VIEW



SIDE VIEW

The unit features a 15-Amp temperature compensated solar charge regulator with a 6-amp rated dual lamp drive flasher circuit. It also includes an automatic night dimming circuit which applies Pulse Width Modulation to dim the lamp load at night. A built-in battery safety fuse is included on the unit to provide safety against short circuits. An 8-position terminal block is included which allows the user to easily connect the unit into the system. STC can provide color-coded wiring harnesses with keyed connectors to go with the DPC as part of the overall system for ease of implementation.

The ON/OFF/EXTERNAL switch on the front of the unit allows for selection of different operating modes. Use the switch in ON to select continuous operation or EXTERNAL to allow control of the flasher from a dry contact closure. This allows control via programmable time clocks, SMS text cards, radio remote control and sensors with appropriate control logic.

STC Systems are Cost Effective:

Thanks to the efficient charge regulation of the DPC-2000 STC solar flasher systems allow you to stretch your budget to obtain the traffic safety devices you need.

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. Primary products are solar-powered flashing beacon systems for school zones, pedestrian safety and 24-hour applications. We also supply specialized flasher systems using environmental sensors and custom communications packages to control flashing beacon systems. Our products and services are sold through a network or regional distributors who offer technical support for your project.

For more information, find us on the web by scanning this QR code or at

http://www.solar-traffic-controls.com/

and follow us on **Facebook** for project updates and detailed project portfolios

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