

SOLAR TRAFFIC CONTROLS

“Wireless” Traffic Control Solutions

STC-01 Solid-State Time Switch for Time-Activated Flashers

Solar Traffic Controls presents a novel concept

The palm-sized (2.8"W x 3.5"L x 2.25"H), all-in-one solution, time switch.

Features

- Backlit LCD display
- Non-volatile program memory
- Six user-interface buttons
- Low power DC operation, AC option
- 4-line by 12-character display
- 48-hour capacitive time/date memory*
- Military time format to reduce data entry errors
- Up to 12 alternate schedule program periods per year and 16 holiday skip periods per year
- Up to 6 activation periods per day in basic program
- Automatic leap year and daylight savings time correction

Options

- Desktop programmer with AC/DC supply, memory module and status lamp
- Keyed harness to swap out for existing time switch (NTC or AP21)
- Memory cartridge for transferring data between units

Benefits

- Self-contained unit with instructions
- No computer laptop or cables needed as with competitors' products



Applications

- School zone flashers, AC/DC
- Load control timer
- Lighting load timer
- Radar speed display timer

**Capacitive memory retention time is temperature dependent, listed value is at 25°C.*

The STC-01 time switch is a programmable annual time switch capable of providing multiple on-off activation of user loads through dry contacts. The standard unit provides two 10A form A contact closures which can be configured to provide up to 6 on-off events over the course of a day. The standard unit allows for 12 alternate program periods a year. Alternate program periods allow the operation of different schedules for a period of a day, week or several months. Up to 3 on-off activations per day can be programmed in the alternate schedule mode. The standard unit provides up to 16 skip periods per year ranging from one day to several months depending on the user's needs. These skip periods are typically holiday events where operation of the system is suspended. Program entry is easy using the 4-line by 12-character LCD display to enter parameters. Optional software configurations are available which incorporate sensor input activation and/or analog threshold triggers.

Reliability and ease of programming has been tested on 50 systems located in temperature extremes from the hot Arizona desert to frigid Canadian cities. A complete documentation package is included.

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 solar traffic 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) designs and manufactures solar-powered traffic control systems for city, state and federal DOTs across the U.S. 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.



For more information

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