"Wireless" Traffic Control Solutions

Optical Repeater System

System Configurations

- Tomar STROBECOM® compatible configuration
- OPTICOM® compatible configuration
- A-pole type mount
- Band mount option

Features

- Sealed battery
- Self-contained system
- Standard optical detector assembly
- LED confirmation lamp for approaching vehicle
- Standard optical emitter package (12VDC)

Benefits

- Solar power, a free energy source, eliminates need for utility hook-up
- Quick and affordable to deploy
- Improves intersection response for emergency vehicles
- Decreases line-of-sight issues for emergency vehicles
- Operates for years with minimal or no maintenance
- Complete documentation package included
- Designed specifically for user's application site*

Applications

Optical preemption systems require line-of-sight and optical pathway for proper operation. This is not always the case on curved roads or when fire stations are located near intersections. STC offers a variety of system packages to overcome these obstacles in the illustrations that follow. All systems are self-contained and provide years of reliable operation.

*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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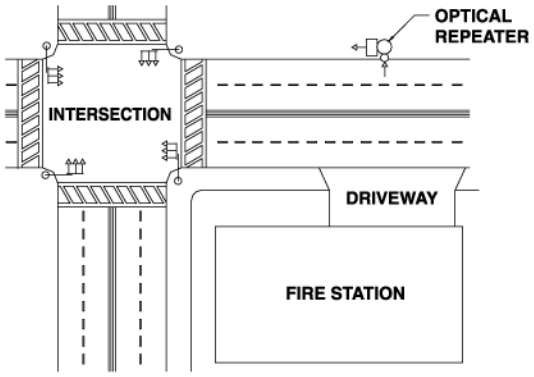
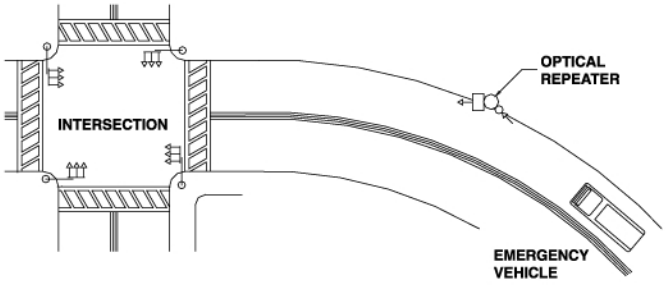


Proximity to intersection: Adding an STC optical repeater across from the driveway begins the preemption as soon as the bay door is up and the emergency vehicle starts its emitter.



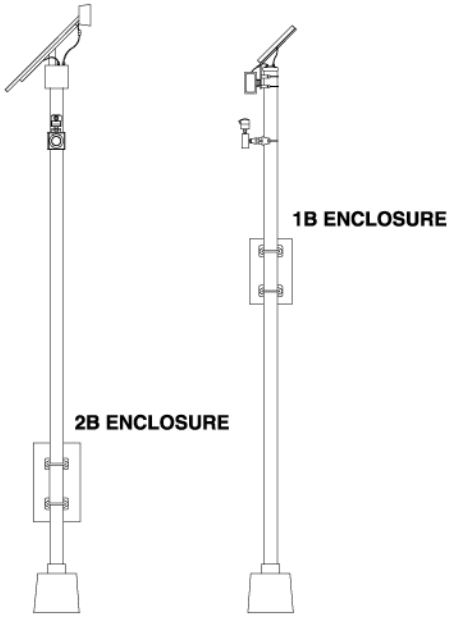
Line-of-sight issue on curve: preemption relies on line-of-sight for proper operation. Using a repeater in the curve allows an earlier response time to the approaching emergency vehicle.

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.



Two pole assembly configurations

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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