
TOMAR
CLEARING THE WAY TO MOVE YOU FORWARD
STROBECOM II
OPTICAL PREEMPTION & PRIORITY CONTROL SYSTEM
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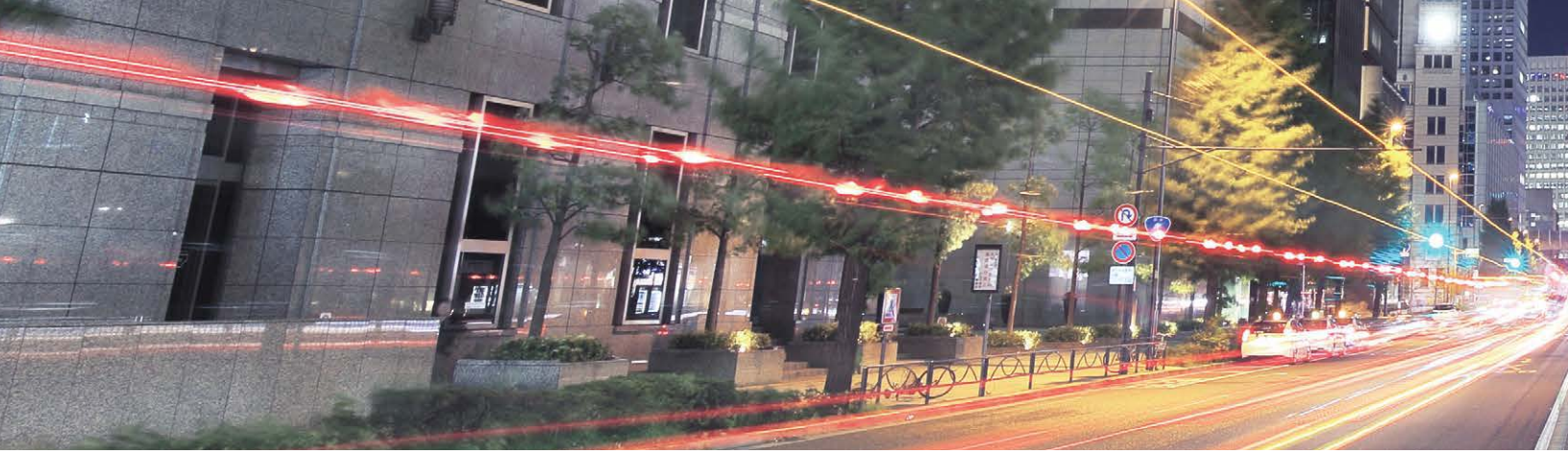

STROBECOM II

STROBECOM II is an Optical Preemption System designed and engineered to help emergency service professionals reach their destination quickly and safely. By communicating with the traffic control system located at each intersection, the approaching emergency vehicles are given a "green" light before entering the intersection, thus creating the ability to move through heavy traffic situations. STROBECOM II significantly increases the efficiency of the emergency response teams and allows them to reach their destinations SAFELY with DECREASED RESPONSE TIMES.

OPTICAL PREEMPTION DETECTORS

TOMAR's 409X Model Optical Preemption Detectors sense the optical pulses emitted by properly equipped emergency or transit vehicles. Mounted to observe the approaches of an intersection the 409X are used with Tomar 4000 Series Optical Signal Processors to inform the traffic control system of the presence of designated vehicles. Using 409X detectors and Strobecom II throughout your traffic control system reduces emergency response time, allows emergency vehicles to travel with greater safety, and improves transit vehicles timeliness.

DETECTOR W/ INTEGRATED CONFIRMATION LED LIGHT ASSEMBLY

NEW!!! TOMAR is now offering a new optical detector with an attached Integrated Confirmation LED Light. This option provides feedback to first responders and also notifies other drivers of an approaching first responder vehicle. The new Integrated Confirmation LED's are controlled by the Strobecom II 4000V2 Series or OSPOCV2 Series OSP preemption cards inside of the traffic cabinet and only need the standard M913 detector cable to power both the Detector and LED. There is no longer any need for additional cable, external power supplies or lead switches to drive your confirmation lights. The 4140V2 & OSPOCV2 cards from TOMAR are programmable to provide custom options to suit any customers needs. This NEW option is not only convenient and time saving at time of installation, but also a huge cost savings when compared to other visual feedback options. Having the ability to respond quickly & safely to moments that can save everything that matters to us is more important than ever. TOMAR offers the best options when it comes to Clearing the Way for First Responders and these new features will provide increased safety for all, reduce response times, reduce fuel costs, reduce maintenance costs and most importantly save property & lives!

Don't forget...Tomar's Strobecom II products are backed by an unmatched Full 10 Year Replacement Warranty.

OPTICAL SIGNAL PROCESSOR CARDS

The Optical Signal Processor (OSP) receives the electrical signals from the optical preemption Detectors. While being received, the signals are processed to determine if the vehicle is a valid emergency or transit vehicle.

The OSP is connected directly to the preemption inputs of the traffic controller in the intersection in which it is installed. When a vehicle's signal is accepted as valid, the OSP sends a preemption request to the proper input of the traffic controller.

The traffic controller then safely manipulates the traffic signals according to a preprogrammed algorithm. Depending on where the traffic controller was in its normal routine the vehicle will receive a "Green Light" after a minimum of 3 or more seconds. Traffic signals which are already green will stay green until the vehicle passes.

STROBESWITCH EMERGENCY VEHICLE ACCESS SYSTEM

The model 1790 STROBESWITCH™ is a compact low cost detector which detects a special strobe light signal and opens access gates to allow quick entrance. The detector is activated by the strobe emitters used by most fire department emergency vehicles to control traffic signals en route to a fire. The 1790–1014 STROBESWITCH™ interfaces with TOMAR Model 3065 Series or GTT OPTICOM® traffic preemption optical signal emitters. The model 1790 features a 1/2" female pipe hub mounting base.

FIRE STATION MOUNTED EMITTER SYSTEM

The model FSEMIT Fire Station Emitter System provides a way for emergency vehicles leaving a fire station to preempt nearby traffic intersections and clear traffic blocking the roadway in front of the fire station.

OPTICAL PREEMPTION EMITTERS

The Tomar Xenon strobe emitters can be mounted on emergency or transit vehicles and generate an optical signal that is detected by the optical detectors mounted at the intersectionThe emitter is normally wired so that it automatically activates when the emergency lighting is active. TOMAR emitters also include an automatic shutoff, which can be connected to the vehicles parking brake or neutral safety switch. When the vehicle is in park or neutral, the emitter is automatically shut off preventing intersection lockup.

TOMAR also offers a Hand Held Battery Operated Portable Emitter, (pictured at bottom left), for convenient on-site testing of your Tomar Strobecom II Optical Preemption System intersections.

Further information on these and other TOMAR preemption and traffic control products can be found at: www.tomar.com/traffic or contact your local distributor.

TOMAR Electronics is located in Gilbert, Arizona and we engineer, design and manufacture the highest quality & most reliable EVP system in the industry. We also back it with an Unmatched Full 10 Year FREE Replacement Warranty. TOMAR is dedicated to perfecting the best optical preemption system and continues to define those standards.

From assemblers to administration, TOMAR is continually improving manufacturing efficiencies while preserving the consistent quality of our work. We take great pride in our efforts toward providing innovative products that save lives.

Research and Development
The cornerstone of innovation.

The performance and reliability of TOMAR products evolves from over a half century of intensive research and development of high efficiency electronic circuit designs and innovative optics.

TOMAR's staff of highly specialized engineers employ state-of-the-art electronic design and testing equipment to create the most advanced warning signals available. TOMAR's testing and research equipment includes:

· An advanced computerized circuit simulator that defines critical tolerance parameters and troubleshoots for potential design weaknesses.
· Surface Mount Technology Computer Automated (SMT) Component Pick and Place Assembly
· A 100 foot automated light measurement tunnel which uses photometers calibrated to display measurements in candelas effective in accordance with FAA, and IES standards. High speed photodiodes are used to measure and display light pulse wave shapes to insure accuracy in light intensity output specifications.
· A fully equipped and certified test lab, capable of making all tests and measurements. · A fast scanning spectroradiometer for color measurements.

Manufacturing and Quality Control *Striving to produce high quality products.*

Rigorous quality control standards and detailed inspections are implemented at various stages in the production process. Fixture "burn-in" provides for an unprecedented 100% testing of all TOMAR products to ensure accurate and trouble free performance for the life of the strobe. Statistical Process Control is used to monitor production quality with detailed precision. TOMAR's warranties are among the longest in the industry, made possible by the dedication to quality in both the design and manufacturing processes. A computerized system integrating order entry, inventory, and production control helps to facilitate rapid order fulfillment.

TOMAR Online

Visit our web site for the latest product up-dates, documentation & many other helpful information at: **www.tomar.com/traffic**

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