

1790-1014 Strobeswitch™

GATE & DOOR 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 the TOMAR model 780-1228-PRE or GTT OPTICOM® traffic preemption optical signal emitters. The model 1790 features a 1/2" female pipe hub mounting base.

HOW IT WORKS:

The emergency vehicle uses a special strobe light to transmit a continuously flashing optical signal. The TOMAR 1790-1014 STROBESWITCH™ receives this signal, and if the signal format is correct, activates a relay. The relay contacts may be used to control security gates, fire department garage doors, and other devices. Signaling is optical by line of sight, and the 1790 can operate indoors or outdoors, in bright sunlight, or in any weather. The unit is not susceptible to radio frequency interference, and uses digital frequency discrimination to reject unwanted signals, such as flashlights, emergency vehicle lighting systems, flashing signs, etc.

* Registered trademark of the GTT Corporation.

**The sale of this item is restricted to state and local governments and to authorized distributors only.



1790-1014 STROBESWITCH™



2795-2 Dual STROBESWITCH™ Assembly



1790M-2 Power Module



**Hand Held Tester

1790-1014 Strobeswitch



Specifications

| Item | Description |
|-------------------------|---|
| Range | 200 feet typical, but depends on intensity of strobe emitter |
| Field of View | 10° vertical, 90° horizontal |
| Signal Acquisition Time | 0.64 seconds |
| Function Indicator | The unit has a red LED that illuminates whenever a proper optical signal is received. The LED is visible thru the viewport and can be seen for 25 feet or more. This feature can be used with the optional Hand Held Tester to verify the unit's operation. |
| Frequency | F14 = 14.035 Hz ± .25 Hz (high priority) F10 = 10.000 Hz ± .25 Hz (low priority) |
| 1790M-2 Power Module | 12-24VDC AC/DC DPDT relay output 2A @ 30VDC, 0.6A @ 120VAC 0-30 minute time delay plus continuous latch mode Remote reset |

Ordering Information

| Model No. | Description |
|----------------|------------------------------------|
| 1790-1014 | Strobeswitch only |
| 1790-1014-S&M2 | Strobeswitch and power module |
| 1790-M2 | Power module only |
| 2795-2 | Dual Strobeswitch and power module |

Available Options

| Model No. | Description |
|-----------|-------------------------------------|
| 1760-14 | Hand held tester for Emergency band |
| 1760-10 | Hand held tester for Transit band |