

## Flashing LED Signs - Solar Powered

### BLINKERSIGNS WARN DRIVERS UP TO TWO MILES AWAY!

Brilliant LED technology makes roads safer. TAPCO's brilliant innovation of enhancing traffic signs with LEDs (Light-Emitting Diodes) is helping to reduce accidents and save lives across the country. Day-Viz™ (Daylight Visible BlinkerSigns™) feature an array of incredibly bright LEDs that flash in unison, once per second, commanding the attention of drivers DAY AND NIGHT as no other traffic sign can.

Long range Visibility. The increased visibility provided by super bright Day-Viz™ LEDs (visible even in bright daylight) and 3M™VIP Diamond Grade™ or DG3™ sheeting gives drivers notice much further in advance than conventional signs, allowing them to react sooner. BlinkerSigns can be seen up to two miles away!

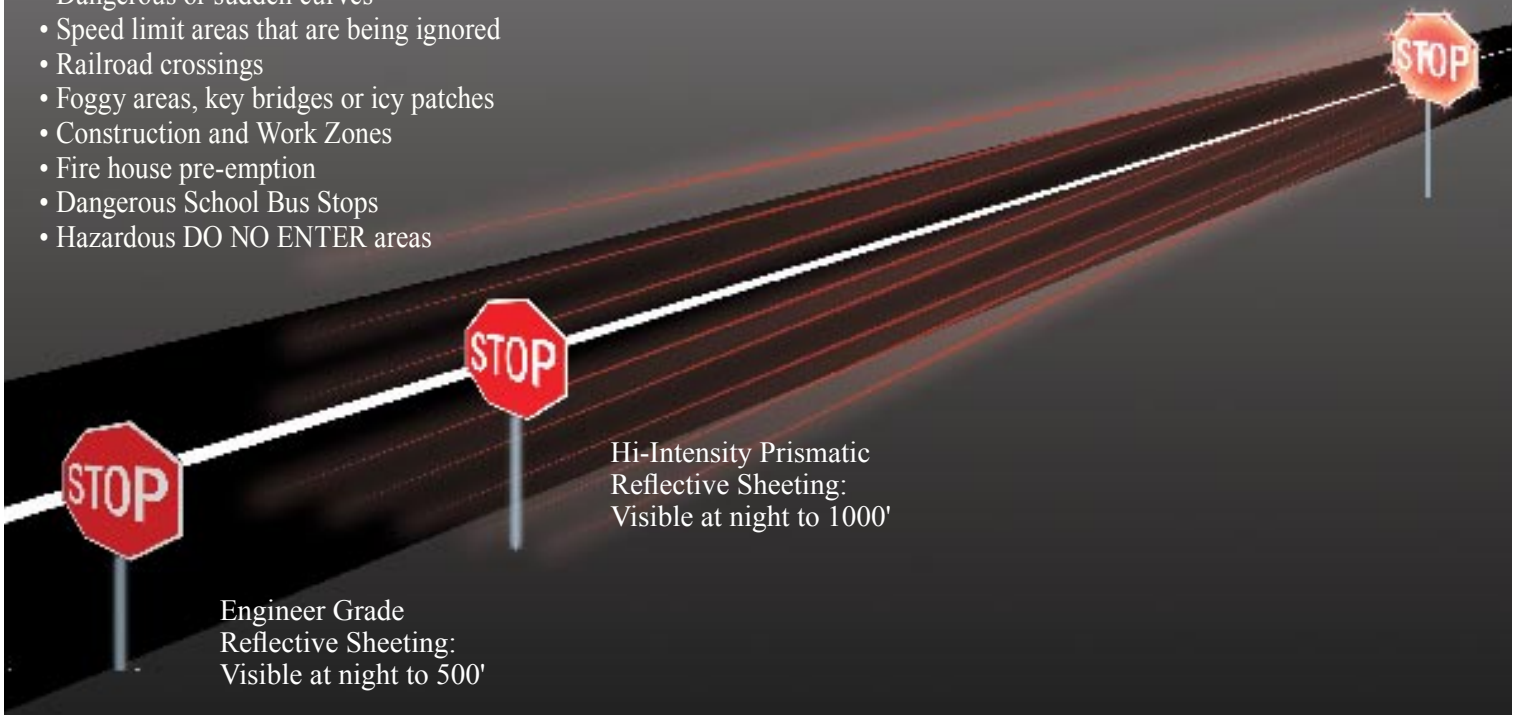
Bigger is Better. A 30" BlinkerSign has a "footprint" of

6.25 square feet of brilliant flasher. 6.25 times larger than 12" beacons, and over 10 times larger than 8" beacons! A larger footprint means better visibility and conspicuity. Inexpensive, Eco-friendly Power. Day-Viz™ BlinkerSigns™ operate on solar power and long life nickel-metal hydride batteries, so no electrical installation is required. (110 VAC models are also available) LEDs require much less power and last years longer than conventional lighting. Install in any sunny location, without the expense of installing electrical service. BlinkerSigns™ are designed to run without any sun for 2 weeks or more, and can run 24/7 under even the worst weather conditions. You may also move the unit wherever it is needed, making it a wise choice for new and temporary traffic conditions. BlinkerSign technology extends the visible range of any traffic sign, both day and night!

### APPLICATIONS

- New STOP locations and those with serious accidents or fatalities due to blow-throughs
- Areas with new traffic conditions
- Pedestrian crossings near schools, malls and at high speed locations
- Dangerous or sudden curves
- Speed limit areas that are being ignored
- Railroad crossings
- Foggy areas, key bridges or icy patches
- Construction and Work Zones
- Fire house pre-emption
- Dangerous School Bus Stops
- Hazardous DO NO ENTER areas

BlinkerSign™ Flashing LEDs:  
Visible at night to 2 miles!



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### INCREASES SIGN CONSPICUITY, CRITICAL FOR LIMITED SIGHT DISTANCES

Traffic safety can be compromised by several conditions, including vertical and horizontal curves, obstructions such as trees and buildings, and even ambient light sources such as neon signs and other commercial lighting. BlinkerSigns™ may be installed any place where increased sign conspicuity is beneficial. If desired, they may be replaced with conventional signage when the public becomes acclimated to the new condition. Hard-wired models are available for applications wherever warranted, such as inside parking ramps or when used in conjunction with other hard-wired traffic control devices.

### ALERTS AGING AND INATTENTIVE DRIVERS SOONER THAN CONVENTIONAL SIGNAGE

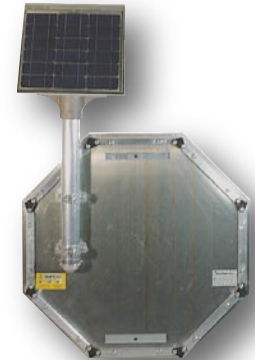
The increasing proportion of aging driving population is a major concern of traffic officials. Studies show that as drivers age, their visual acuity declines. BlinkerSigns™ counteract the lessened ability to recognize traffic sign messages. BlinkerSigns™ also combat driver inattention due to cell phones and other distractions.

### SELF-CONTAINED UNIT SAVES ON INSTALLATION AND MAINTENANCE COSTS

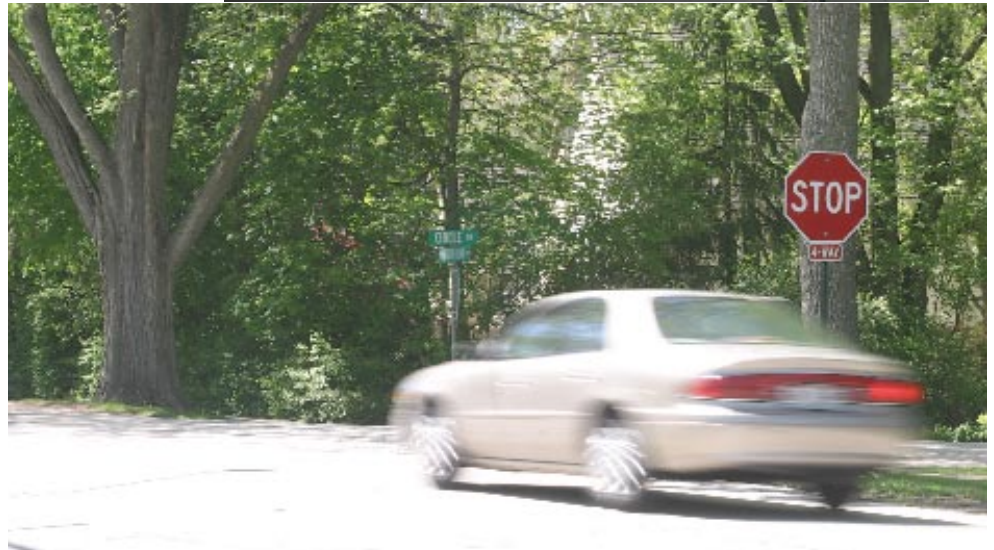
BlinkerSigns™ are delivered to you ready to be installed on any sign post. Everything you need is attached to the sign. They are easily installed on any sign post or signal pole without the costs associated with installing electrical service or a signal box to the installation site.

### BLINKERSIGNS ARE SMART - REAL SMART

They can be integrated with an ITS (Intelligent Transportation System) or operate as a stand-alone ITS. BlinkerSigns can be synchronized with each other, and are programmable to work with solar time clocks, push-buttons and motion (vehicle) detectors using solar and wireless radio signal technology.



Fully Encapsulated Wiring



*If you have an application requiring higher levels of sign conspicuity, WE CAN DO IT WITH BLINKERSIGNS!*

*BlinkerStops reduce incomplete stops and blow-throughs!*



Order by Phone 1-262-814-7000 Toll-free 1-800-236-0112  
or Order by Fax 1-262-814-7017 Toll-free 1-800-444-0331



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***BLINKERSIGNS™ ARE THE BRIGHTEST, MOST CONSPICUOUS SIGNS FOR ALERTING DRIVERS TO THE TRAFFIC CONDITION AHEAD***

Federally Compliant BlinkerSigns are built to conform to the specifications of the Federal Highway Administration (FHWA), as stipulated by the latest version of the Manual on Uniform Traffic Control Devices (MUTCD). Beware of non-compliant imitations that could expose you to liability.

TAPCO builds BlinkerSigns from the ground up, starting with 3M™ VIP or DG3 reflective sheeting on state-spec high-grade aluminum, further protected with 3M™ anti-graffiti film. Each sign is then fitted with ultra-bright Light-Emitting Diodes (LEDs) with a light-enhancing magnifying lens that increases the sign's visibility range up to twenty times. The visual footprint of the LEDs is several times larger than any other traffic control device, so it impacts drivers more dramatically.

Most BlinkerSigns are built with an LED on each of the vertices (corners) of the sign. On some signs, additional LEDs are added at midpoints to assist drivers in recognizing the shape (and thus the message type) of the sign. The LED colors match the sign's background color and shape so drivers will immediately recognize the flashing shape and message, allowing them to react sooner.

Our latest generation of Light-Emitting Diodes (LEDs) is so bright, that we use circuitry to instantly and automatically dim their night-time brightness! BlinkerSigns are effective all day long, especially in rain, fog, snow, and in low light conditions.

BlinkerSigns can be programmed to operate autonomously either 24/7 or during low light conditions (dusk-to-dawn). Run times can also be programmed using a Palm™ programmer, or activated using a key or spectrum radio transmitter.

Melding LED technology with solar and battery power results in an energy-efficient device that will dependably alert traffic utilizing renewable energy, without adding to electrical budgets and pollution. If you have a traffic situation that can be improved by increasing or advancing drivers' awareness, let BlinkerSigns' technology light the way!



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*Solar Day Viz (DV) With Auto DIM\**

*\*Single Flash 24/7 TAPCO Programmable*

Item No.	Description
2180-209	30" R1-1, Stop, VIP
2180-217	30" S1-1, School Xing, FY
2180-202	30" S1-1, School Xing, FYG
2180-219	30" S1-1, School Xing, FYG
2180-214	30" W11-2, Ped Xing, FYG
2180-208	36" R1-1, Stop, VIP
2180-215	36" S1-1, School Xing, FYG
2180-232	36" W11-2, Ped Xing, FYG
2180-216	36" W3-1A, Stop Ahead Symbol, FY
2180-207	48" R1-1, Stop, FY
2180-233	24" x 48" S5-1 School BlinkerSign (FYG School - 4 LEDs and VIP Speed Limit - No LEDs)



*Pole Packages (Includes base, plate and V-Loc)*

Item No.	Description
2180-220	10' Pole, 4.5" OD Round
2180-221	13' Pole, 4.5" OD Round
2180-222	15' Pole, 4.5" OD Round

*Programmable Options for Solar Model*

Item No.	Description
2538-29	Time Clock Circuit (Requires Palm Pilot) (Solar Unit)
2538-27	Palm Pilot (Specifically for Time Clock)
27-3	Time Clock (110V unit)
3380-1	Pushbutton ADA
2974-1	Charger
2795-3	Battery

*Hard Wired 110 V Daylight VIS (DV)*

Item No.	Description
2180-203	30" R1-1, Stop, VIP
2180-204	30" S1-1, School Xing, FYG
2180-205	36" R1-1, Stop, VIP
27-3	Time Clock (Only for 110v)

### TM60 DETECTOR

This compact unit detects moving vehicles to activate crosswalk flashing BlinkerSigns. Ready to install in minutes with no disruption of traffic flow and includes cable, fixing support, screws and bolts. With settings for size of detection zone, minimum speed threshold (0.62 to 9.94 mph) and movement direction, this detector requires no maintenance and works well regardless of weather conditions.

### SPECIFICATIONS

Detection Range	200 feet for a car
Range of detected speed	up to 100 mph
Frequency	K-band: 24.1250GHz
Transmission Power	5mW
Dimensions	2.8 X 3.9 X 4.5"
Power Supply	6 VDC

**Part Number 3380-1**



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