



PRODUCT BROCHURE
RELEASE 2019





**A field retrofit
“Sign Enhancement”
system that is simple,
affordable, and designed for
hassle-free
installation**



*Almost any existing sign can be
field retrofitted with a SignAlert™
Enhancement System. Solar or AC power
is available*

The Problem

The Traffic Industry has long recognized that many sign scenarios (placement, visibility, etc.) are more critically important than others. Some signs simply cannot be ignored. There has been a need in the industry for a simple and affordable way to retrofit existing signs with additional levels of warning for those situations that demand them — and to do this in such a way that the additional alert system can be motion activated to conserve power and extend the life of the LEDs

The Solution - SignAlert® LED Enhancement System

- LED rings field retrofit onto almost any existing sign
- Very affordable
- 6 Level - auto-dimming at night
- Solar or AC power options
- Motion activation and data collection options
- High intensity LEDs visible day or night (visible up to 2 miles at night)
- Hassle-free installation. (No dirt moved means less permits, and streamlined implementation)
- LED flashers face mount on existing signs with permanent bonding tape and/or mechanical fasteners
- Scheduling functionality expands system versatility and performance



SignAlert™ Basic System

Specifically engineered to enhance a single, standalone sign. Examples include advance warnings and speed limit regulations

Feature Highlights:

- ◇ Affordable implementation, easy installation
- ◇ Configuration app works on any Wi-Fi phone, tablet, or PC
- ◇ Radar option adds real-time feedback to drivers
- ◇ Battery and solar options for extreme performance
- ◇ Dynamic scheduling function
- ◇ Wide range of input trigger devices, including buttons and environmental sensors

SignAlert™ Advanced System

Today's pinnacle of sign enhancement. Designed to wirelessly unify signs and sensors to provide unparalleled flexibility of application and use. Examples include sequential chevrons, pedestrian crossings and wrong way mitigation

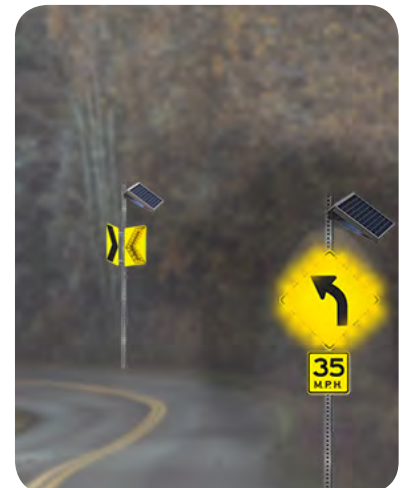
All the benefits of our Basic System, plus:

- ◇ Radio Collaboration between signs and input sensors
- ◇ Configuration of complex scenarios made easy in app
- ◇ Fastest implementation with intuitive wireless technology
- ◇ Individual units easily field upgraded or replaced

Need Help Deciding?

CALL OUR KNOWLEDGEABLE SALES TEAM AT
1-855-738-2722

Create a "Visible School Zone"



TrafficCalm Systems

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SignAlert™ Basic System | Specifications

Controller Unit

| | |
|---------------------|---------------------------|
| Weight with Battery | 12 lbs. with 10Ah Battery |
|---------------------|---------------------------|

Power Requirements

| | |
|---------------------|---|
| Voltage | 11VDC to 15VDC (VBATT) |
| Charger | Intelligent MPPT solar controller accepts 17VDC to 25VDC at 60W Max |
| Battery | LiFePO4 10Ah standard. Optional: ATB (Pb SS) 13 Ah wide temperature available |
| Autonomy (20Ah) | 7 Days (24-7 operation) |
| Panel Supplied | 20W, 17.2V MPPV, 21.6V open circuit, 30W and 60W options available |
| Insolation Required | 2 Hours of uninhibited sun each day |
| Outputs | Beacon – 2 each 12W Max. 30V Max. DC high side driver output |
| Mounting | Universal mount adapter engineered to work with most standard posts |

Flush Mounted LED Flasher Rings

| | |
|----------------|---|
| Size | Varies based on sign selection, MUTCD sign shapes and dimensions used to engineer rings |
| Mounting | Outdoor rated Mounting Tape and provisions for easy match drilling and riveting. |
| LEDs | Red (626nm): 15 degree cone of view; Rated 100,000 hours; 20K CDA/ M^2, Auto Dimming Employed |
| | Amber (590nm): 15 degree cone of view; Rated 100,000 hours; 20K CDA/ M^2, Auto Dimming Employed |
| | White (Cool White): 30 degree cone of view; Rated 100,000 hours; 25K CDA/ M^2, Auto Dimming Employed |
| Power | 10V to 18V |
| | 0W standby or OFF (No power required) |
| Flash Patterns | 1 Hz, 1/2 second duty alternating or unison, RRFB, Emergency Pop (some patterns not MUTCD compliant) |
| Dimming | 6 levels as determined by solar panel illumination |

System Operating Temperature Range

| | |
|----------------------------|--|
| Components except battery: | -34°C to +74°C |
| Battery | -20°C to +50°C (LiFePO4) standard. Optional -40 degree C to +65 degree C (ATB Pb SS) available |

SignAlert™ Advanced System | Specifications

Controller and Collaborator Units

| | |
|---------------------|---------------------------|
| Weight with Battery | 12 lbs. with 20Ah Battery |
|---------------------|---------------------------|

Power Requirements

| | |
|---------------------|---|
| Voltage | 11VDC to 15VDC (VBATT), 240mW in Standby (scanning), 1.8W avg in activated mode (varies by flasher model) |
| Charger | Intelligent MPPT solar controller accepts 17VDC to 25VDC at 60W Max |
| Battery | LiFePO4 10Ah standard. Optional: ATB (Pb SS) 13 Ah wide temperature available |
| Autonomy (20Ah) | 7 Days (with white LED) |
| Panel Supplied | 20W, 17.2V MPPV, 21.6V open circuit, 30W and 60W options available |
| Insolation Required | 2 Hours of uninhibited sun each day |
| Enclosure Rating | NEMA 4 |

System Operating Temperature Range

| | |
|----------------------------|--|
| Components except battery: | -20°C to +45°C standard. Optional -34 degrees C to +65 degrees C available |
| Battery | -20°C to +50°C (LiFePO4) standard. Optional -40 degree C to +65 degree C (ATB Pb SS) available |

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