

TRAFFICALM[™]
SYSTEMS

Orangetraffic⁺

SignAlert[™]
Enhancement System

PRODUCT BROCHURE
RELEASE 2019





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



Why TrafficCalm?

- ISO:9001 Certified USA based manufacturing facility
- Vandal resistant designs
- Industry leading turnaround from order to delivery
- Unlimited tech support and customer service from our USA facility
- Industry Pioneers in Radar Activated Signage

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

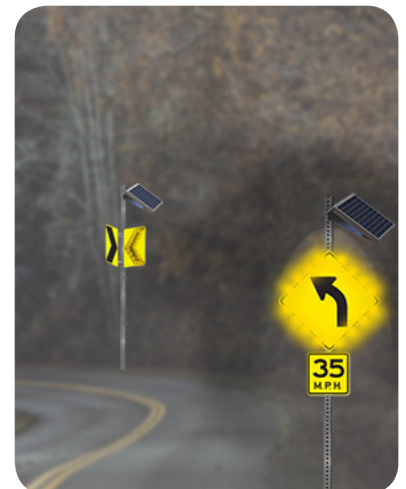
All the benefits of our Basic System, plus:

- ◇ 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"



TraffiCalm Systems
5676 E. Seltice Way, Post Falls, ID 83854
1-855-738-2722
sales@trafficalm.com
www.trafficalm.com

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

Distributed By:

Orange traffic⁺