



# TRAFFICALM SYSTEMS

## SignAlert™

Enhancement System

**Safety...**

**Sometimes it can't be  
dependent on reflectivity  
alone.**

Making Roadways **SAFER** since 2001.

TRAFFICALM  
SYSTEMS

*ATSSA's Proud Recipient*



**ATSSA**  
SAFER ROADS SAVE LIVES





**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.*

# SignAlert™ Enhancement System

## The Problem

Traffic Control professionals have long recognized that certain sign situations are more critically important than others. Some signs simply cannot be ignored. There has been a growing 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 retrofits 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.



## Create a Visible STOP Sign

- Easy retrofit onto new or existing STOP Signs. Minimal wire management



Fits:  
24", 30", 36"  
STOP Signs



**TRAFFICALM™**  
Division of MOR Manufacturing  
SYSTEMS



## Available Controller Options

### Basic System

- Adjustable Flash Sequence - Switch Selectable
  - Unison
  - Wig-Wag
- System Consists of 3 basic components:
  - Potted and Sealed Battery and Controller. (5 Year Warranty)
  - Face Mounted Flashers
  - 20W Solar Panel



### Advanced System

- Radar Detected Approach to activate Flash Sequence. Flashing will remain ON based on a pre-programmed time limit.
- System consists of 3 basic components:
  - Face Mounted Flashers
  - Solar Panel
  - Radar Detection Unit / Flash Controller / Battery
- Quick installation to minimize worker exposure
- Adjustable Flash Sequence - Switch Selectable
  - Unison
  - Wig-Wag
- AC or Solar power options
- 3 Year Warranty

### Advanced System - Available Options

- Traffic Data Collection
- Blue Tooth
- Modem
- Mesh-Net Communications



#### TraffiCalm Systems

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# SignAlert™ - Enhancement System -- Basic System Specifications

Detection/Activation Unit	
Weight with Battery	12 lbs.
Power Requirements	
Voltage	11VDC to 15VDC (VBATT)
Charger	MPPT solar charger 14.6VDC, 30W temperature protected
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
Insolation Required	2 Hours of good sun each day
Outputs	Beacon – 2 each 12W Max. 30V Max. DC high side driver output
Mounting	Pole mount adapter
Flush Mounted LED Flasher Rings	
Size	Various X .625" available
Mounting	Outdoor rated Mounting Tape and provisions for easy match drilling and riveting.
LEDs	Red (626nm): 30 degree cone of view; Rated 100,000 hours; 20K CDA/ M^2, Auto Dimming Employed
	Amber (590nm): 30 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
	Blue (470nm): 30 degree cone of view; Rated 100,000 hours; 9K 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 wigwag or unison
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

## Advanced System - Specifications

Detection/Activation Unit	
Weight with Battery	15 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	MPPT solar controller accepts 17VDC to 25VDC at 60W Max
Battery	NiMH 20Ah 12V output standard.
Autonomy (20Ah)	7 Days (with white LED)
Panel Supplied	20W, 17.2V MPPV, 21.6V open circuit standard. Optional 40W and 60W panels available.
Insolation Required	2 Hours of good sun each day
Enclosure Rating	NEMA 4
Face Mounted LED Flasher Rings	
Size	Various X .625" available
LEDs	Reference Basic 24-7 System Specifications above.
Power	10V to 18V
Flash Patterns	1 Hz, 1/2 second duty wigwag or unison
Dimming	6 levels as determined by solar panel illumination
System Operating Temperature Range	
Components except battery:	-20°C to +45°C standard. Optional -34 degrees C to +65 degrees C available

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