TRAFFICALM™
SYSTEMS

FLASHING
SIGN SYSTEMS

PRODUCT CATALOG
Dealer Release May 2020

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

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 rumble 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 - TraffiCalm™ Flashing Sign System

· LED rings field retrofit onto almost any existing sign
· Very affordable
· 100 Level Auto-dimming
· Solar or AC power options
· Motion activation
· 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
· Field replaceable batteries
· MUTCD Compliant

Why TraffiCalm?

· ISO 9001:2015 Certified USA based facility
· All signs 100% MUTCD compliant
· Vandal resistant designs
· Broadest range of sizes and options in the industry
· Industry leading turnaround from order to delivery
· Unlimited tech support and customer service from our USA facility
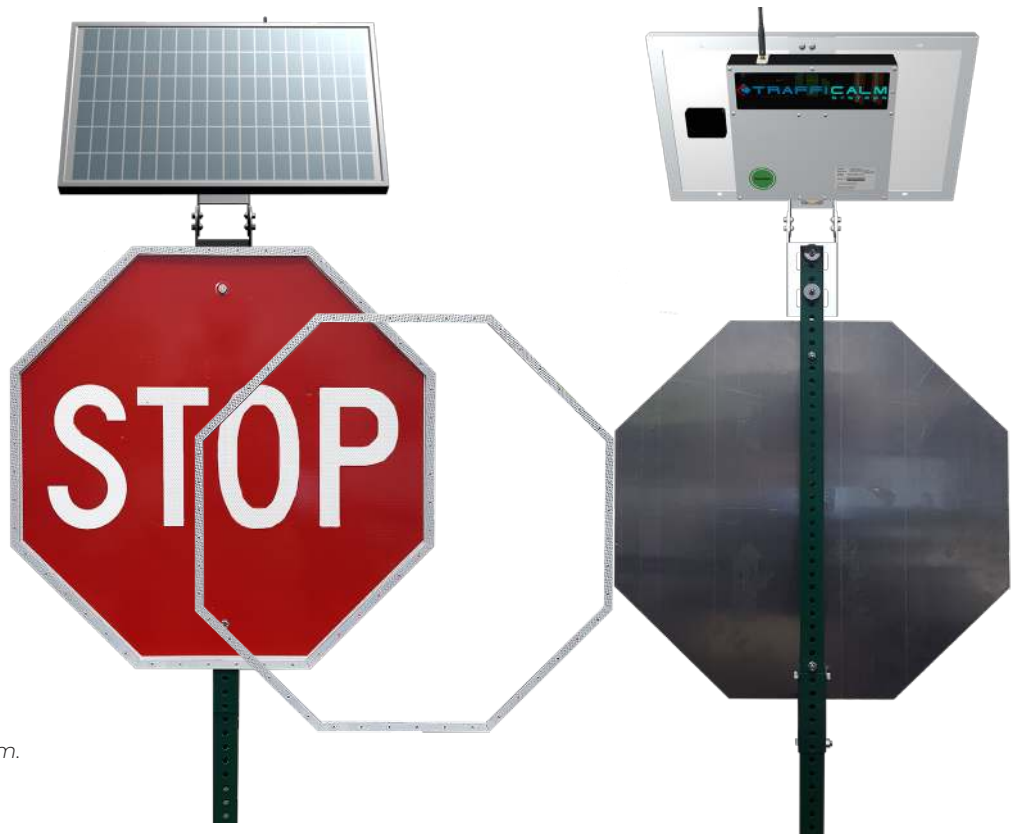· Industry Pioneers in Radar Driver Feedback Technology

Almost any existing sign can be field retrofitted with an Enhancement System. Solar or AC power is available

E. 5676 Seltice Way Post Falls, Idaho 83854 · 1-855-738-2722 · sales@trafficalm.com · www.trafficalm.com

Basic System

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

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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

SiAdvanced 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, conflict intersection warning, pedestrian activation, and road condition warnings.
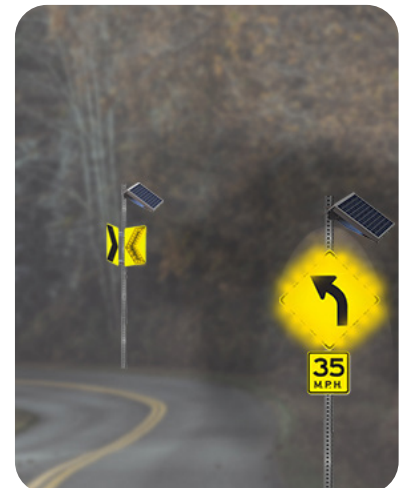

All the benefits of our Basic System, plus:

◇ 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
◇ Schedulability to warn drivers at just the right times
◇ Audible Push Button Compatibility

Need Help Deciding?

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

Create a "Visible School Zone"

SCHOOL
SPEED LIMIT 25 WHEN FLASHING
YOUR SPEED 23

Certified System ISO 9001

I.M.S.A. PUBLIC SAFETY

ATSSA SAFER ROADS SAVE LIVES

TZD Toward Zero Deaths

Specifications

All Controller and Collaborator Models Feature:

Physical Description

- Mounting: Universal bracket accommodates most industry standard round or square posts of suitable load rating
- Nema 3R enclosure, all electronics potted

Input/Output

- Inputs: 1 per controller, accept dry contact closure, optional input devices include Push Button, Environmental sensors, and others.
- Outputs: 2 per controller, 12W max requirement, output devices include Sign Rings, RRFBs, Beacons
- Radar Port: accepts input from TraffiCalm Lite Radar

TC Connect™ Human Interface

- WiFi Connectivity - No Internet Connection required
- Mode Selection: Pedestrian Crossing, Curve Warning, etc.
- Configurable Flash Duration
- Unified Wireless Collaboration Activation and Setting
- Configurable auto dimming profiles

Radio Collaboration (Excludes BSC models)

- Intelligent controller pushes settings to paired collaborators over secure D2D meshnet network
- 100ms wireless activation response time
- 1000'/305m of range, repeatable signal
- Configurable Net ID
- 2.4 GHz operating frequency
- DSSS modulation

Performance

- Wireless activation within 100 mS
- Wireless range of 1000'/305m
- -34º C to +50º C operating range (varies with battery type used)
- 5 year warranty, excluding batteries

Model Details

	M75-SA300-CTLA M75-SA300-CLBA M75-SA300-BSCA	M75-SA300-CTL2 M75-SA300-CLB2 M75-SA300-BSC2	M75-SA300-CTL3 M75-SA300-CLB3 M75-SA300-BSC3	M75-SA300-CTLE M75-SA300-CLBE M75-SA300-BSCE
Weight	22.0lbs/10.0kg	25.0 lbs/11.3kg	28.0 lbs/12.7kg	29.0lbs/13.1kg
Dims	9.28"W x 10.5"H x 5.21" D (23.6cm,26.7cm,13.2cm)	22.7"W x 14.1"H x 3.9"D (57.7cm,35.8cm,9.9cm)	21.3"W x 20.1"H x 3.9"D (54.1cm, 51.1cm, 9.9cm)	9.28"W x 10.5"H x 5.21" D (23.6cmx26.7cmx13.2cm)
AC/Solar	Integrated AC	Integrated Solar	Integrated Solar	Solar Panel Kit sold separately
Battery	Does not apply	AGM, 12Ah, 12V	AGM, 12Ah, 12V	Extreme Climate AGM, 13Ah, 12V
Solar Panel	Does not apply	20W/1.16A (incl.)	30W/1.74A (incl.)	30, 50, or 60W kits available
AC Input	0.43A/115VAC	Does not apply	Does not apply	Does not apply
Continuous Performance	Unlimited flashes/day	800 30sec activations per day with 2 hours sunlight	800 30sec activations per day with 2 hours sunlight	860 30sec activations per day with 2 hours sunlight

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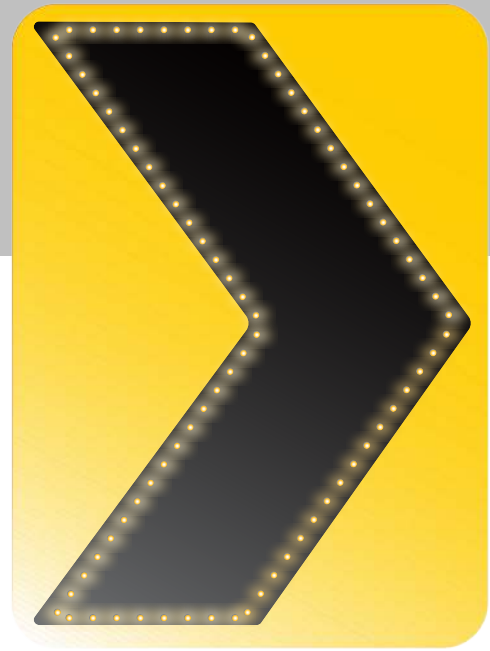
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Chevron Enhancement Faceplate

Flashing Sign Systems Enhancement Face-plates are the next evolution in road signage. Designed to enhance existing road signs. Engineered to provide lightning fast installation, exceptional visibility in any condition, and intuitive driver calming beyond that of reflective sheeting.

Specifications

Illumination

- LEDs configured around perimeter of sign, within arrow (fully MUTCD compliant design)
- LED Pitch: .85" (2.2cm) (on centers)
- Amber LEDs with 15º Viewing Angle
- Black powder-coated faceplate for natural appearance

Compatibility

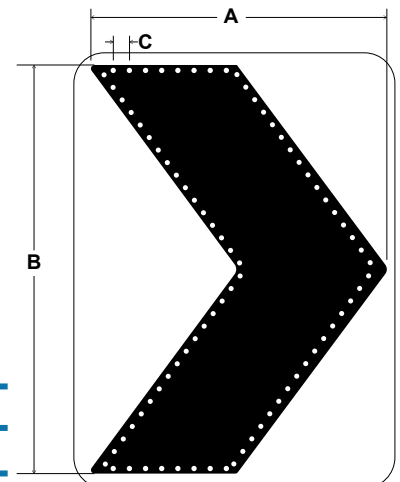- Integrates with all Trafficalm SA300 Controllers and Collaborators and can be push button, speed (radar), time clock, or sensor activated

Environmental

- Nema 4x Enclosure
- Potted electronics (hermetically sealed)
- -34º C to + 60º C operating range (-29º F to +140º F)

Construction

- 14 gauge 5052 aluminum construction
- Individually lensed LEDs recessed behind faceplate
- Ring Depth: 0.4"/10.0mm to minimize impact on natural sign appearance
- No mounting or wiring exposed on reverse of sign

Details

Physical Description

- Available Sizes: 18"x24", 24"x30", 30"x36", and 36"x48"
- Retrofits to any existing Chevron Alignment sign manufactured to MUTCD requirements of corresponding size
- Mounting: all LED hardware mounted within the white border of the sign. Mounted either with adhesive backing or included self tapping screws. Rivets may be utilized to improve tamper resistance
- MUTCD compliant LED placement and usage
- 10 ft. (3m) single cable extension to reach Controller or Collaborator

MUTCD Sign Size	Part Number	Ring Width (A)	Ring Height (B)	Ring Width (C)	LED Offset (D)	LED Count	Light Output (cd)	Power (Watts)
18"x24"	M75-R1824-BA1L/R	18"/46cm	24"/61cm	.625"/1.6cm	.85"/2.2cm	80	2995200	9.22
24"x30"	M75-R2430-BA1L/R	24"/61cm	30"/76cm	.625"/1.6cm	.85"/2.2cm	112	4193280	12.90
30"x36"	M75-R3036-BA1L/R	30"/76cm	36"/91cm	.625"/1.6cm	.85"/2.2cm	128	4792320	14.75
36"x48"	M75-R3648-BA1L/R	36"/91cm	48"/122cm	.625"/1.6cm	.85"/2.2cm	160	5990400	18.43

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Stop Sign Enhancement Ring

Flashing Sign System Enhancement Rings are the next evolution in road signage. Designed to enhance existing road signs. Engineered to provide lightning fast installation, exceptional visibility in any condition, and intuitive driver calming beyond that of reflective sheeting.

Specifications

Illumination

- LEDs configured around perimeter of sign, within border (fully MUTCD compliant design)
- LED Pitch: 1.9" (4.8cm) (on centers)
- Red LEDs with 30º Viewing Angle
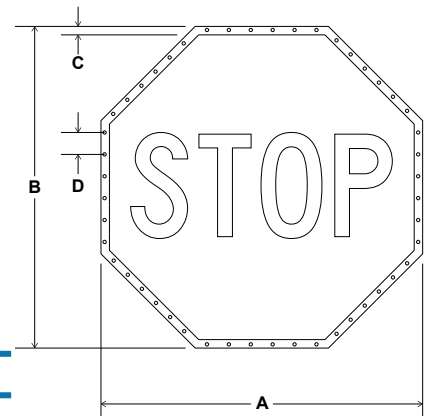- DG3 white reflective sheeting applied to ring face for natural appearance

Compatibility

- Integrates with all Trafficalm SA300 Controllers and Collaborators and can be push button, speed (radar), time clock, or sensor activated

Environmental

- Nema 4x Enclosure
- Potted electronics (hermetically sealed)
- -34º C to + 60º C operating range (-29º F to +140º F)

Construction

- 14 gauge 5052 aluminum construction
- Individually lensed LEDs recessed behind faceplate
- Ring Depth: 0.4"/10.0mm to minimize impact on natural sign appearance
- No mounting or wiring exposed on reverse of sign

Details

Physical Description

- Available Sizes: 24", 30", 36" or 48"
- Retrofits to any existing Stop Sign manufactured to MUTCD requirements of corresponding size
- Mounting: all LED hardware mounted within the white border of the sign. Mounted either with adhesive backing or included self tapping screws. Rivets may be utilized to improve tamper resistance
- MUTCD compliant LED placement and usage
- 10ft. (3m) single cable extension to reach Controller or Collaborator

MUTCD Sign Size	Part Number	Ring Width (A)	Ring Height (B)	Ring Width (C)	LED Offset (D)	LED Count	Light Output (cd)	Power (Watts)
24"	M75-R2424-WR01	24"/61cm	24"/61cm	.625"/1.6cm	1.9"/4.8cm	40	270000	3.20
30"	M75-R3030-WR01	30"/76cm	30"/76cm	.625"/1.6cm	1.9"/4.8cm	48	324000	3.84
36"	M75-R3636-WR01	36"/91cm	36"/91cm	.625"/1.6cm	2.41"/6.1cm	48	324000	3.84
48"	M75-R4848-WR01	48"/122cm	48"/122cm	.625"/1.6cm	1.9"/4.8cm	48	324000	3.84

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Warning Sign Enhancement Ring

Flashing Sign System Enhancement Rings are the next evolution in road signage. Engineered to provide lightning fast installation, exceptional visibility in any condition, and intuitive driver calming.

Specifications

Illumination
- LEDs configured in clusters of four around perimeter of sign (fully MUTCD compliant design)
- LED Pitch: .35" (.89cm) (on centers) within the cluster
- Cluster Pitch: 6 in (13.46cm) (on center)
- Amber LEDs with 15º Viewing Angle

Environmental
- Nema 4x Enclosure
- Potted electronics (hermetically sealed)
- -34º C to + 60º C operating range (-29º F to +140º F)

Construction
- 14 gauge 5052 aluminum construction
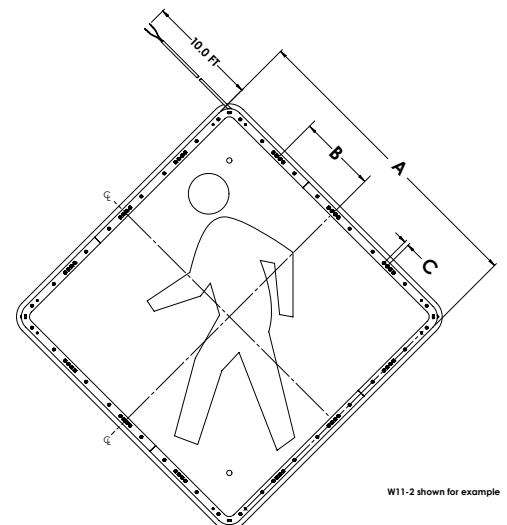- Individually lensed LEDs recessed behind faceplate

Compatibility
- Integrates with all Trafficalm SA300 Controllers and Collaborators and can be push button, speed (radar), time clock, or sensor activated

Details

Physical Description
- Available Sizes: 24", 30", 36", 48"
- Retrofits to any existing Warning Sign manufactured to MUTCD requirements of corresponding size
- Mounting: all LED hardware mounted within the printed border of the sign. Mounted either with adhesive backing or included self tapping screws. Rivets may be utilized to improve tamper resistance
- MUTCD compliant LED placement and usage
- 10ft. (3m) single cable extension to reach Controller or Collaborator

MUTCD Sign Size	Part Number	A (Ring Width)	B (LED Group offset)	C (LED Pitch in group)	LED Count	Light Output (cd)	Power (Watts)
24"	M75-R2424-BA47	23.3"/7.6cm	6"/15cm	.35"/.89cm	48	936000	2.88
30"	M75-R3030-BA47	29.0"/73.7cm	6"/15cm	.35"/.89cm	64	1248000	3.84
36"	M75-R3636-BA47	34.8"/88.4cm	6"/15cm	.35"/.89cm	80	1560000	4.80
48"	M75-R4848-BA47	46.5"/118.1cm	6"/15cm	.35"/.89cm	112	21840000	6.72

W11-2 shown for example

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Examples of Use

Curve Warning System

Sequential Chevron and Curve Warning systems are the ideal MUTCD Compliant solution being deployed on roads and highways that have the potential for accidental and / or catastrophic vehicle lane departures.

Solar power and retrofit installation mean that any curve can be enhanced with minimal planning and prep

Push 2 Cross

Enhance every pedestrian crossing with easy to install, cutting edge LED signage and brilliant RRFB technology that cannot be missed.

Now compatible with ADA audible push button activation!

Conflict Intersection Warning System

Where sidestreets meet highways, collisions represent a common threat. With input-output logic definable, TraffiCalm™ provides the versatility to warn the right drivers at the right time.

Enhance stop and warning signs based on real-time radar detections from crossing traffic.

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