Speed Compliance System

FLASHING SIGN SYSTEM

◆TRAFFICALM®

SPEED COMPLIANCE SYSTEM

Radar Speed Signs have become the industry standard for discreetly suggesting driver behavior and slowing violators to a reasonable speed. With radar activation, our Speed Compliance System represents a new generation of affordable yet effective ways to convey a clear message to drivers and draw straightforward attention to the posted speed limit. Engineered to provide ease of installation, unmistakable visibility under any conditions, and intuitive driver calming beyond that of just reflective sheeting.

The operation is simple but effective at slowing speeding drivers. When the radar detects any vehicle traveling at or above the speed limit, the LED ring around the perimeter of the speed limit sign begins to flash.

FEATURES

Highly Visible LED Speed Compliance System

TraffiCalm fully outlines the shape of the sign with the most LEDs on the market for a bright, visible sign in any environmental condition.

Retrofittable LED Rings

Utilize existing signage and add our LED sign rings for a more cost-effective solution.

Ruggedized Electronics

All electronics, radar sensors, and LEDs are fully epoxy-potted and environmentally sealed. The entire pole with the sign, controller, solar panels, and batteries can be fully submerged and still operate.

Ease of Installation

The ease of installation allows for quick setup on any existing sign post.

100% MUTCD Compliant

The MUTCD allows LEDs to enhance standard highway warning and regulatory signs and to outline either the sign itself or the words and symbols on the sign. MUTCD specifications indicate that "If used, the LEDs shall be the same color as the sign legend, border, or background. If flashed, all LED units on an installation shall flash simultaneously at a rate of more than 50 and less than 60 times per minute." TraffiCalm® Systems are fully compliant.

Made in the USA

TraffiCalm® Flashing Sign Systems are manufactured in the USA in an ISO 9001:2015 certified facility, meeting and exceeding industry and state testing requirements. TraffiCalm® signs are unmatched in durability, brightness, accuracy, and ease of installation and use. Build America/Buy America Compliant.

Limited Warranty — **5 YEAR** — Exclusions Apply, see warranty statement for details

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SPECIFICATIONS

Illumination

LEDs configured in clusters of three within the border around perimeter of sign for enhanced brightness, (fully MUTCD compliant design)

LED Pitch within the cluster (on center): .38" (1 cm)

Cluster Pitch (on center): 1.9" (4.8cm)

White LEDs with 30° Viewing Angle

LED rated lifetime of 100,000 hours

Construction

14 gauge 5052 aluminum construction

Individually lensed LEDs recessed behind faceplate

Ring Depth: 0.4" (10.2 mm) to minimize

Impact on natural sign appearance

No mounting or wiring exposed on reverse of sign

All Wiring is UL 2464 rated

Environmental

NEMA 4X Enclosure

Potted electronics (hermetically sealed)

-40° F to + 140° F operating range (-40° C to +60° C)

Warranty and Service

5-year limited warranty, 1-year on batteries

Unlimited tech support from US based factory technicians

DETAILS

Physical Description

Available Sizes: 24" x 30" (61 cm x 76.2 cm) or 36" x 48" (91.4 cm x 121.9 cm)

Retrofits to any existing Speed Limit Sign manufactured to MUTCD requirements of corresponding size

Mounting: All LED hardware is mounted within the black 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 (3 m) single cable extension to reach Controller

Ring can be factory installed to a new static sign, per the available part numbers shown below

This item can come as a retrofit kit (solar or AC controller, radar, and LED flashing ring) OR a complete system with static speed limit sign

System Description

Our Speed Compliance System consists of a TraffiCalm® Controller, a radar sensor, and a 24"x30" or 36"x48" TraffiCalm® Flashing LED Ring. This inexpensive approach to driver feedback provides a highly ergonomic awareness of the existing R2-1 Speed Limit sign.

As with all TraffiCalm® products, retrofit installation utilizes the existing sign and post to minimize costs and construction time. Optional retroreflective speed limit signs with factory-installed LED rings are available.

Kit Part Number	MUTCD Sign Size (R2-1)*	Solar Panel	Ring (Width)	Ring (Height)	LED Pitch	LED (Group Offest)	LED Count	Light Output (cd)	Power (Amps)
M75-SA300-B242	24" x 30"	20W	23.61"/59.06cm	29.63"/75.25cm	.38"/.95cm	1.9"/4.8cm	42	531300	.336
M75-SA300-B243	24" x 30"	30W	23.61"/59.06cm	29.63"/75.25cm	.38"/.95cm	1.9"/4.8cm	42	531300	.336
M75-SA300-B362	36" x 48"	20W	35.38"/85.73cm	47.38"/110.18cm	.38"/.95cm	1.9"/4.8cm	72	910900	.578
M75-SA300-B363	36" x 48"	30W	35.38"/85.73cm	47.38"/110.18cm	.38"/.95cm	1.9"/4.8cm	72	910900	.578

*Retroreflective Speed Limit Sign sold separately