

# High Water Warning System

## FLASHING SIGN SYSTEM



### HIGH WATER WARNING SYSTEM

TrafficCalm® High Water Warning Systems are designed to detect water over the roadway, triggering flashing LED signs in real-time. This warns the public to stay out of flooded roadways, potentially saving lives and precious resources of public agencies during weather emergencies.

Flooding can occur with little warning and sometimes flooded roadways can appear deceptively shallow. According to the National Weather Service, it only takes 12 inches of water to sweep a car away.

The system is simple and rugged. When the water level rises above the sensor, the controller wirelessly activates the Flashing Sign System, the LEDs flash continuously as long as flood waters are detected. The system is deactivated once the water level lowers below the sensor.

## FEATURES

### Solid State Water Presence Sensor

It works in fresh, brackish, and salt water; even covered in mud. We designed an innovative sensor with no moving parts that is highly reliable.

### Highly Visible LED Warning Signs

TrafficCalm® 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, radios, 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.

### 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." TrafficCalm® Systems are fully compliant.

### Made in the USA

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

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## SPECIFICATIONS

### WATER PRESENCE DETECTOR

Designed to minimize preparation and installation, bolts to poles, pole bases, and most square posts

Minimum water level: 1"/2.5 cm

Clog free design operates in the presence of built up mud, refuse, and naturally occurring organic material

Operates in fresh and salt water

Solid-state design necessitates minimal maintenance for years of reliable operation

PN: M75-SENSR-S00W

192" Direct Burial Cable 14 Gauge PVC Jacketed  
Outdoor Rated, UV resistant

### CONTROLLERS & COLLABORATORS

Compatible with all Intelligent Controllers and Collaborators (Basic Controllers are non-compatible)

All electronics hermetically potted for weatherproofness

Controller Mounting: Universal side of pole mounting bracket. Top of pole kit available. Mounted behind solar panels or on pole-mounted cabinet

Inputs: 1 per controller, accept dry contact closure from High Water Sensor

Outputs: 2 per controller, 12W max out, multiple flash patterns, including RRFB and 1hz MUTCD compliant flash

### RADIO COLLABORATION

Secure Device 2 Device mesh-net network

Max 100ms wireless activation response time

1500'/457m of range, repeatable signal

2.4 GHz operating frequency

Unique Network ID clearly marked to speed installation

FCC, Type 1 approved

### FLASHING LED RINGS

MUTCD and FHWA Compliant for all Warning Signs

#### AVAILABLE SIGN RING SIZES

24" Ring uses qty 48 LEDs

30" Ring uses qty 64 LEDs

36" Ring uses qty 80 LEDs

48" Ring uses qty 112 LEDs

Exceeds SAE J595 Class 1 Intensity

Meets SAE J578 for chromaticity

### BATTERY (SOLAR MODELS)

Standard 12 Ah AGM batteries. Larger battery packages available

Accessible Batteries, easily replaceable in field

### TRAFFICALM® USER INTERFACE

WiFi Connectivity - No Internet Connection required. Configurable Flash Patterns

Wirelessly configures all devices on network

Unified Wireless Collaboration Activation & Setting

Configurable auto dimming and brightness profiles

Selectable flash duration: 1 second to 60 minutes

Integrated calendar time clock functionality

Built-in activation count & reporting

Compatible with TC-Remote Web Based Software

### ENVIRONMENTAL

-40° F to 165° F [-40° C to 74° C] system operating temperature

IP 68 Rated

### POWER OPTIONS

AC or Solar Power

20W Solar Panel with up to 100 Watt available

MPPT Solar Collection

### WARRANTY and SERVICE

5 year limited warranty, 1 year on batteries

Unlimited tech support from US based factory technicians

