

HIGH WATER WARNING SYSTEM



TraffiCalm's® 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

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

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, radios, and LEDs are fully potted and environmentally sealed. The entire pole with the sign, controller, solar panels and batteries can be fully submerged and still operate.

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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" [2.5cm]

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

Operates in fresh and saline 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

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

Integrated solar charging circuit accepts input from 20W, to 100W solar panel

CTL2 AND CTL3 SERIES

[MODELS M75-SA300-CTL2/3 AND CLB2/3]
Milled HDPE Enclosure, NEMA 3RX Rated

E SERIES

[MODELS M75-SA300-CTLE/CLBE]
Rugged Fiberglass Enclosure, NEMA 4X Rated

S SERIES

[MODELS M75-SA300-CTLS/CLBS]
Aluminum Enclosure, NEMA 3R Rated

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

POWER OPTIONS

AC or Solar Power

20W Solar Panel with up to 100 Watt available

MPPT Solar Collection

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

ENVIRONMENTAL

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

IP 68 Rated

WARRANTY & SERVICE

5 year warranty, excluding batteries

Lifetime product support

