



Wrong Way Alert™

TraffiCalm's spear-head of Innovation and Technology has now increased the level of **Wrong Way Driver Detection.**

- ◆ Red LED Flush-Mounted Flashers
- ◆ Scalable for Expansion
- ◆ Multi-Level Wrong Way Driver Detection, Confirmation and Photo-Capture
- ◆ First Responder Notification
- ◆ Various Notification Triggers
- ◆ Data Collection:
 - Wrong Way Drivers
 - Right Way Drivers
- ◆ System Status / Health Monitoring:
 - Vandal Detection
 - Charging & Battery Health



We've Eliminated False Calls.

HOW?

Through System Collaboration Technology

Where Seconds Count:

Our Systems Detect...

Our Systems Talk...

Our Systems Listen...

Reaction is Immediate

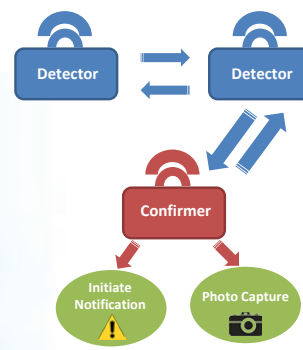


Wrong Way Alert currently being used in:

ARIZONA
TEXAS
IDAHO
COLORADO




Wrong Way Alert™




System Collaboration







Detectors play an immediate first line of defense to detect a Wrong Way Offender.

After initial detection has been made, an immediate collaboration with an opposing **Detector** will validate Wrong Way Offender detection and notifies **Confirmation Detector** of oncoming vehicle.




Detectors 



Confirmation Detector receives and validates immediate notification of the Wrong Way Offender from the front line **Detectors**.

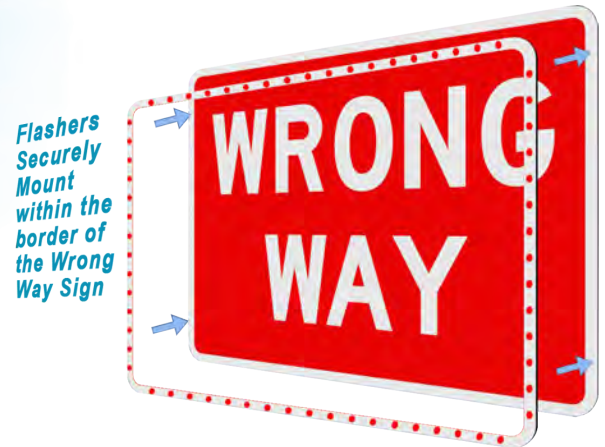
Upon validation, **Confirmation Detector** will Photo-Capture and notify First Responders via e-mail and/or Smart Phone notification of impending Wrong Way Offender.

Confirmation Detector w/Modem and Camera 

Wrong Way Alert Warning System

FEATURES

- Easily mounted to existing R5-1a Wrong Way signage
- Scalable to maximize adaptation to diverse roadways
- System consists of 3 basic components:
 - Red LED Flush Mounted Flashers
 - Radar Detection and Confirmer Units
 - Power Source: Solar / AC
- All components assembled as a group. Each group is programmed to allow wireless Mesh-Net collaboration with each group member ... eliminating False Calls.
- Doppler Radar Based detection
- Low power requirement, 20W solar option available
- Fast installation to minimize ramp / road closure
- Configuration Software included
- High Resolution Camera



Detection Unit Specifications

Power Specifications:

Battery: NiMH 20Ah, 12V output

Total System Autonomy: 6 days (no modem) or 4 days w/modem option

Communications:

Collaboration between Group Members:

Wireless Mesh-Net (Device 2 Device) communication, 500 - 1000' range, repeatable signal for long range communication. Group identity selectable by channel (15 available), network ID, or subnet ID. DSSS transmissions on selectable channels, configurable network ID code, network message ID codes and configuration software level password. Direct notifications for Wrong Way Alert Only.

Alert Notification:

Cellular Modem for live email and smart-phone notification. CDMA Verizon compatibility, Antenna 1/2 Wave Omni 2.3dB gain.

Data Logging:

Time stamped events - wrong way violation, right way traffic volume report, system monitoring report, component power status, system access (door opened), impact detection.



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Scalable Wrong Way Warning System Spec Sheet



WrongWayAlert™ is designed to provide a simple, affordable, enhancement solution to existing Wrong Way warning situations. The beauty of the WWA System is that it can be easily expanded and upgraded with additional devices and capabilities for situations where greater traffic flow or other factors require more layers of warning. Our Patent Pending Mesh-Net Collaboration offers Wrong Way Alert users a system that validates the offenders behavior first ... eliminating False Calls.

WWA System: (4) Red LED Flashers, (2) Front Line Detection Units w/20W Solar Panels (1) Confirmation Detector w/ Solar Panel, modem (with 24 Month Service Contract) and high resolution camera

Feature	Specifications
Detection/Activation Unit	
Size	10" x 8" x 4"
Weight with Battery	15 lbs.
Power Requirements	
Voltage	11VDC to 14.5VDC (VBATT)
Charger	MPPT accepts 15 – 30VDC IN 40W Max., 17.3V MPPV
Battery	NIMH 20 Ah
Autonomy (20 Ah)	6 Days with no sun from full charge
Panel Supplied	20W 17.3V MPPV, 22V Open Circuit.
Insolation Required	2 Hours of good sun each day
Outputs	Beacon – 2 each 12W Max. 30V Max. DC Low side driver output Horn – 1 each 5A Max, 30V Max.
Notifications	Available through Mesh-Net, or by text and e-mail with Cellular Wireless kit.
Notifications List	Individual or group triggers through network notification.
Notification Triggers	Wrong Way Driver, Low Battery, System going Offline, System Coming Online, Impact detection, Access door opened. Individually selectable destinations.
Logging (with time stamp)	Wrong way event System health checks (voltage, temperature, network status) Component (i.e. Remote Flasher) went ON/OFF line Speed binning of right way drivers Access (door opened) Impact detection
Flush Mounted LED Flashers	
Size/s	Sizes vary based on Wrong Way sign being used
Mounting	Outdoor rated mounting tape and provisions for easy match drilling
LEDs	Amber (590nm); 1/2 Angle 15 degree; Rated 100,000 hours; 20,000 CDA/M 2, Auto Dimming employed
Power	10V to 18V 22"(6W) - 15"(4W) - 8"(2W) each face when turned on 0W standby or OFF (No power required)

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