

Wrong Way Controller

WRONG WAY WARNING SYSTEMS



WRONG WAY CONTROLLER

The intelligent Wrong Way Controller is the core of the TrafficCalm® Wrong Way Warning + Notification System and is the “brain” of the system. The controller takes inputs from multiple vehicle sensors and applies our patented collaborative algorithms for the fastest and most accurate wrong-way detection in the industry, virtually eliminating false alarms.

The Wrong Way Controller is able to manage multiple detection, warning, and notification zones. The controller also sends wireless commands through a mesh net radio communications system to activate collaborators and flashing warning signs.

One to three cameras can be added to the controller to monitor wrong way traffic. The system records the pre- and post-event videos and will send text and email notifications with a clip of the videos of the wrong-way event.

FEATURES

Patented Collaborative Detection

Multiple sensors and zones “collaborate” to ensure the wrong-way vehicle is accurately detected and false detections are eliminated.

Alerts and Notifications

Email and text alerts of wrong-way events. Video is recorded from multiple cameras and documents from which direction the vehicle entered the ramp and if the vehicle self-corrects or has entered the mainline.

Made in the USA

TrafficCalm Controllers and Collaborators are manufactured in the USA in an ISO 9001:2015 certified facility. Build America/Buy America Compliant.

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SPECIFICATIONS

Physical Descriptions

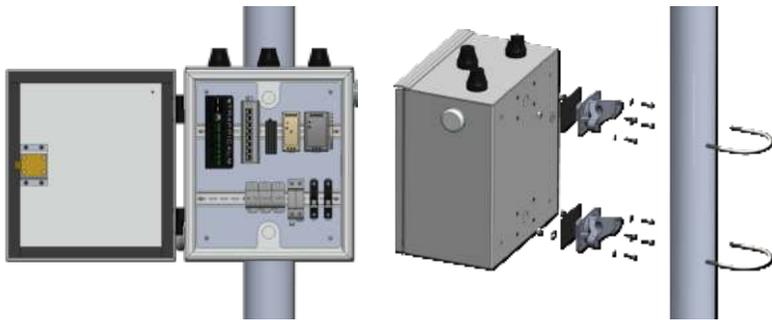
- Built-in U-Bolt Bracket System for 4.5" round poles
- NEMA 4R Aluminum Enclosure
- Controller electronics industrial grade, din-rail mounted controller components ruggedized for vibration resistance
- Stainless fasteners used for corrosion resistance
- Dimensions: 19.125 h x 10.500 d x 16.500 w

Input/Output

- Inputs: 1 per Controller, accept dry contact closure. Optional input devices include loop detectors
- Outputs: 2 per Controller or Collaborator, 12W max requirement. Output devices include: Sign Rings, Rectangular Rapid Flashing Beacons (RRFBs), and Round Beacons
- Radar Port: Accepts input from TraffiCalm® Smart Radar Sensor
- Light sensor for configurable auto-dimming feature based on ambient light conditions
- 12-21 VDC input from AC or Solar supplies

Performance

- Wireless activation within 100 mS
- Wireless device to device radio range of 1000'/305m
- 40° F to +140° F (-40°C to +60° C) operating range; varies with battery type used
- Surge protected dual power supplies: 100W/48V and 60W/12V rated
- Server to Server API available



Modem Highlights

- 4G LTE with 3G/2G fallback
- 50mbps Upload
- Dual SMA dipole antennas
- 580MHz Processor, 128MB Ram
- FCC Part 15 Class C and RoHS certifications

Fiber Switch

- 4 (or greater) port managed layer 2 switch
- POE+ Capability supplies accessories, including camera(s)
- Environmentally hardened, Din Rail Mounted
- Remotely rebootable

Warranty and Service

- 5 year limited warranty, 1 year on batteries
- Unlimited tech support from US based factory technicians

Professional Camera Highlights:

- Cost-effective security solution with enhanced imaging capabilities
- High-quality video with sharp details even in low-light conditions
- IP66/IP67 and Type 4X Weather and IK10 impact resistant
- Simple and intuitive to install.
- 1/2.8" Progressive scan CMOS
- H.264, H.265, Motion JPEG, Pelco Smart Compression



Wrong Way Controllers

Part Number	Description	Weight	Ethernet/Fiber	AC/Solar	Modem Type
M75-WWCTL-C000	Wrong Way controller with 4g modem delivers textual notifications via api, email, text message, and bluesentry interface. Can be solar operated off of an 280Ah/300W solar kit providing 7 days of autonomy. Does not accommodate cameras without upgrade	27.8 lbs.	Does not apply	Solar Compatible	4G LTE Cellular
M75-WWCTL-C48E	Wrong Way controller with 4g modem delivers video-enriched notifications via api, email, text message, and bluesentry interface. 100-240VAC line power required. Accommodates up to two POE IP Cameras.	29.5 lbs.	POE+ 4+ Port Unmanaged Ethernet Switch	AC	4G LTE Cellular
M75-WWCTL-F48E	F48E Wrong Way controller with integrated fiber modem delivers video-enriched notifications via api, email, text message, and bluesentry interface. 100-240VAC line power required. Accommodates up to two POE IP Cameras.	29.8 lbs.	Managed fiber optic switch with fiber injector	AC	Fiber