

Flashing Sign Systems



Collaborative Detection Controller M75-DEOTS-CTL2/3/E/S

Collaborative detection provides an unprecedented innovation for flashing signage- reliable detection that only activates after multiple inputs confirm an event. This is especially useful where false detections may distract compliant drivers from normal road use. Case in point- wrong way mitigation scenarios where on ramps and off ramps are closely oriented.

Featuring inputs (and supporting logic) for one activation device and a radar detector, as well as outputs for two alternating Rings, RRFB's, or Beacons (for example), the systems' possibilities are limitless.

All TrafficCalm™ products are built in the USA. We are the complete engineering and manufacturing chain, meaning that everything going into our products is TrafficCalm®!

Configuration and Setup

Quick configuration via TC Connect®, a WiFi connection platform developed by TrafficCalm® that requires NO Internet Connection! With any browser enabled device, the installer can easily log in and select from multiple options and settings including Flash Duration, LED Brightness and Dimming Control

Durability and Reliability

Roadside signage, and the like, attract a barrage of environmental attacks. Housed in a potted aluminum enclosure the M75-DEOTS-CTLX is ready for years of tamper-free service with proven resistance to moisture intrusion, corrosion, and other unexpected harmful effects

Built For Efficiency

Operating on either an 20W, 30W, 50W, or 60W solar supplies, the Collaborative Detection Controller provides ample power to any TrafficCalm® warning device. Suitable for an extreme range of climates, TrafficCalm® products are built for the road ahead

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SPECIFICATIONS

Physical Description

- Mounting: Universal bracket accommodates most industry standard round or square posts of suitable load rating
- Designed for retrofit installation to existing infrastructure
- Nema 3R, 3RX, and 4X enclosures [depending on device selected]
- All electronics potted for weatherproofness
- Stainless fasteners used for corrosion resistance
- Field replaceable batteries and components designed for easy fitment

Input/Output

- Wireless radio collaboration with any TrafficCalm SA300 Collaborator
- Inputs: 1 per controller, accept dry contact closure, optional input devices include Push Button, Environmental sensors, and others.
- Outputs: 2 per controller, 12W max requirement, output devices include Sign Rings, RRFBs, Beacons
- Radar Port: accepts input from TrafficCalm® Radar
- Alternative Sign Flashing: utilizes Radar Port + and -, radar input cannot be used in this scenario
- Light sensor for configurable auto-dimming feature based on ambient light conditions

TrafficCalm® User Interface

- Wi-Fi Connectivity - No Internet Connection required
- Configurable Flash Duration (60 flashers/minute by default)
- Controller can be converted to Collaborator functionality in the field if system upgrade is desired
- Retrievable activation log stored for at least 365 days
- On screen status reporting includes:
 - Controller to Collaborator(s) signal strength
 - Controller and Collaborator(s) flasher output voltages
 - Controller and Collaborator(s) input voltage (battery or AC devices)
 - Controller and Collaborator(s) charging voltage
 - Controller and Collaborator(s) firmware versions

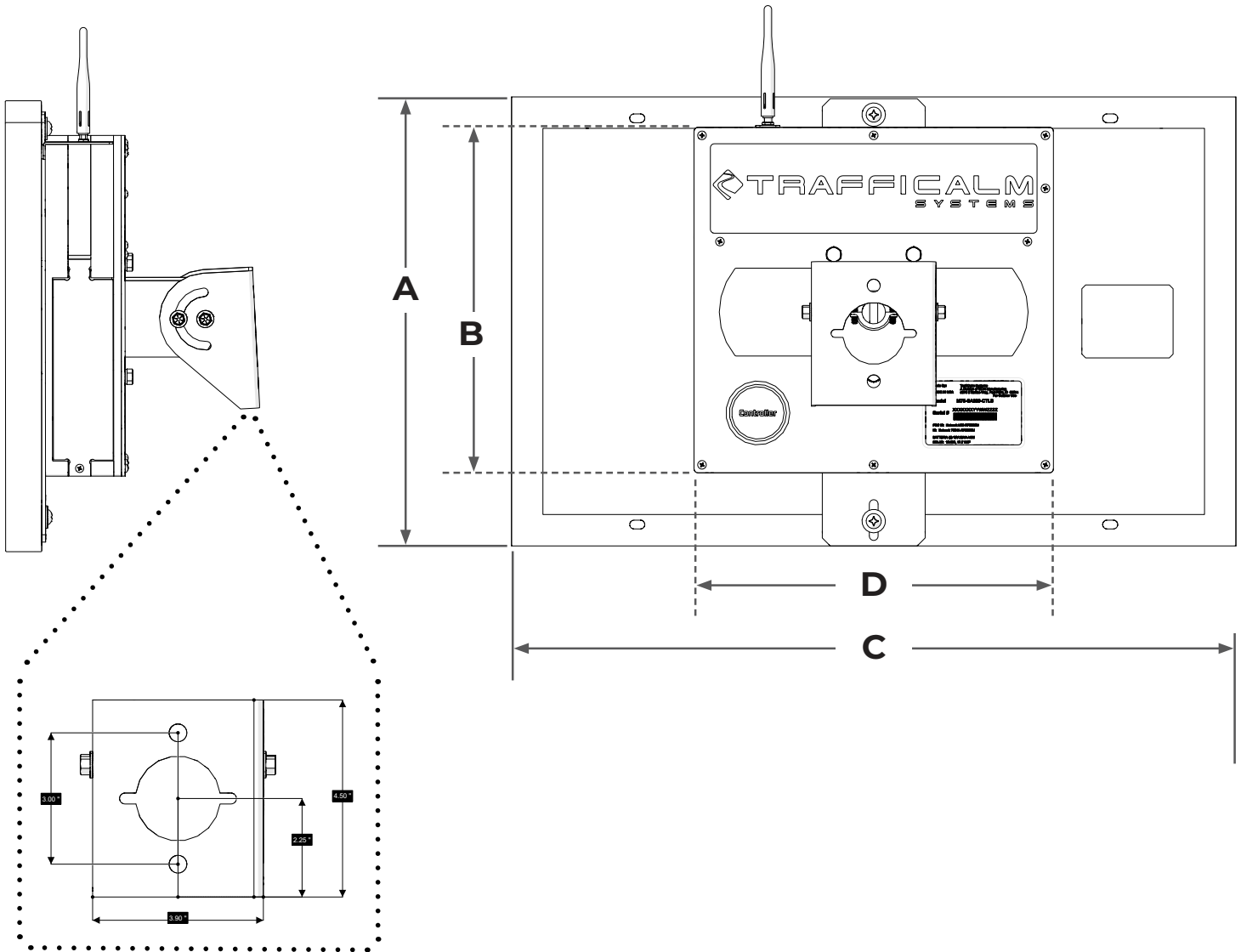
Performance

- Wireless activation within 100 mS
- Wireless range of 1500 ft/457m (2.4GHz radios)
- -34° C to +74° C operating range (varies with battery type selected)
- 5 year warranty, excluding batteries
- Lifetime product support

Model Details

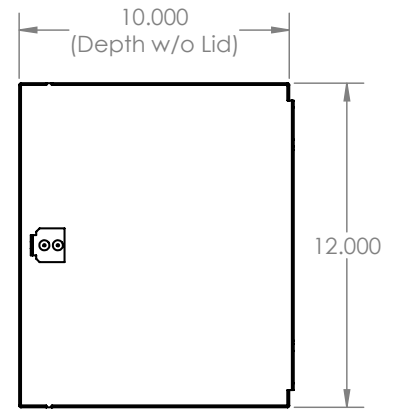
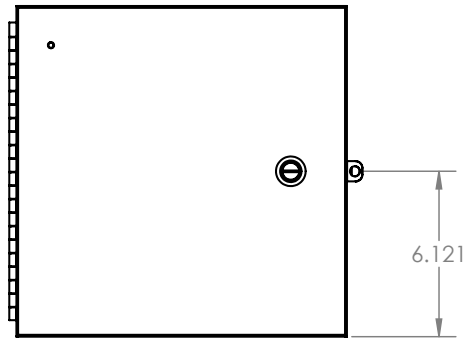
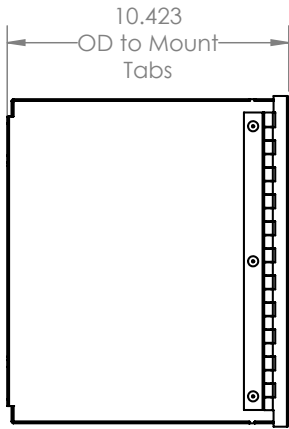
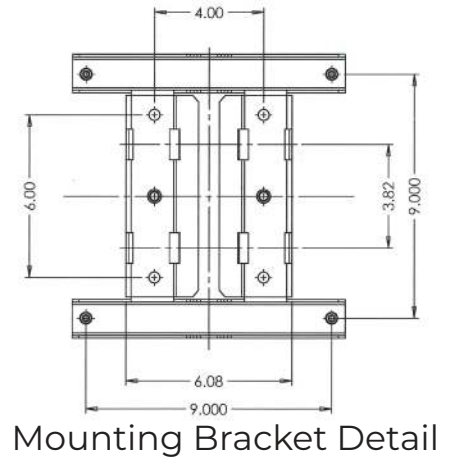
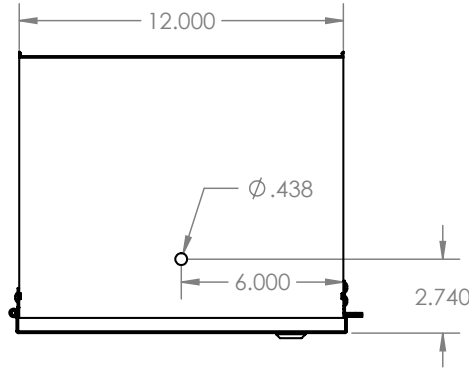
| | M75-DEOTS-CTL2 | M75-DEOTS-CTL3 | M75-DEOTS-CTLE | M75-DEOTS-CTLS |
|-------------------------------|---|---|---|--|
| Weight | 25.0 lbs/11.3kg | 28.0 lbs/12.7kg | 29.0 lbs/13.1kg | 49.0 lbs/22.2kg |
| Dims | 22.7"W x 14.1"H x 3.9"D (57.7cm,35.8cm,9.9cm) | 21.3"W x 20.1"H x 3.9"D (54.1cm, 51.1cm, 9.9cm) | 9.28"W x 10.5"H x 5.21" D (23.6cmx26.7cmx13.2cm) | 10.0"W x 12.0"H x 10.4"D (57.7cm,35.8cm,15.7cm) |
| AC/Solar | Integrated Solar | Integrated Solar | Solar Panel Kit sold separately | Solar Panel Kit sold separately |
| Battery | AGM, 12Ah, 12V | AGM, 12Ah, 12V | Extreme Climate AGM, 13Ah, 12V | AGM, 40Ah, 12V |
| Solar Panel | 20W/1.16A (incl.) | 30W/1.74A (incl.) | 30, 50, or 60W kits available | 30, 50, or 60W kits available |
| Continuous Performance | 800 30sec activations per day with 2 hours sunlight | 800 30sec activations per day with 2 hours sunlight | 860 30sec activations per day with 2 hours sunlight | 2600 30sec activations per day with 2 hours sunlight |

For 20W and 30W 12Ah Models



| | A | B | C | D |
|--|--------------------|------------------|--------------------|------------------|
| M75-SA300-CTL2 M75-SA300-CLB2 M75-SA300-BSC2 | 14.1 in 35.8 cm | 10.8in 27.5cm | 22.7 in 57.5 cm | 11.2in 28.5cm |
| M75-SA300-CTL3 M75-SA300-CLB3 M75-SA300-BSC3 | 20.1 in 51.1 cm | 10.8in 27.5cm | 21.3 in 54.1 cm | 11.2in 28.5cm |

For M75-DEOTS-CTLS



For M75-DEOTS-CTLE

