

INTELLIGENT CONTROLLERS/ COLLABORATORS

FLASHING SIGN SYSTEM



INTELLIGENT CONTROLLERS AND COLLABORATORS (ALL MODELS)

The base of the Flashing Sign System, the SA300 Basics, Controllers, and Collaborators are the “brains” of the group. Handling everything from configuration to logic control, these devices allow the system to operate as Conflict Intersection Warning, Sequencing Chevrons, High Water Warning, and so much more.

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 Flashing Sign 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 all forms of vandalism. Housed in a potted aluminum enclosure the SA300 System is ready for years of tamper-free service

BUILT FOR EFFICIENCY

Operating on either an AC supply, or 20W, 30W, 50W, or 60W solar supplies, the SA300 System 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

- 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

INPUT/OUTPUT

- 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

TRAFFICALM® USER INTER-

- Wi-Fi Connectivity - No Internet Connection required
- Mode Selection: Pedestrian Crossing, Curve Warning, All Flash, Conflict Intersection,, High Water Warning
- 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)

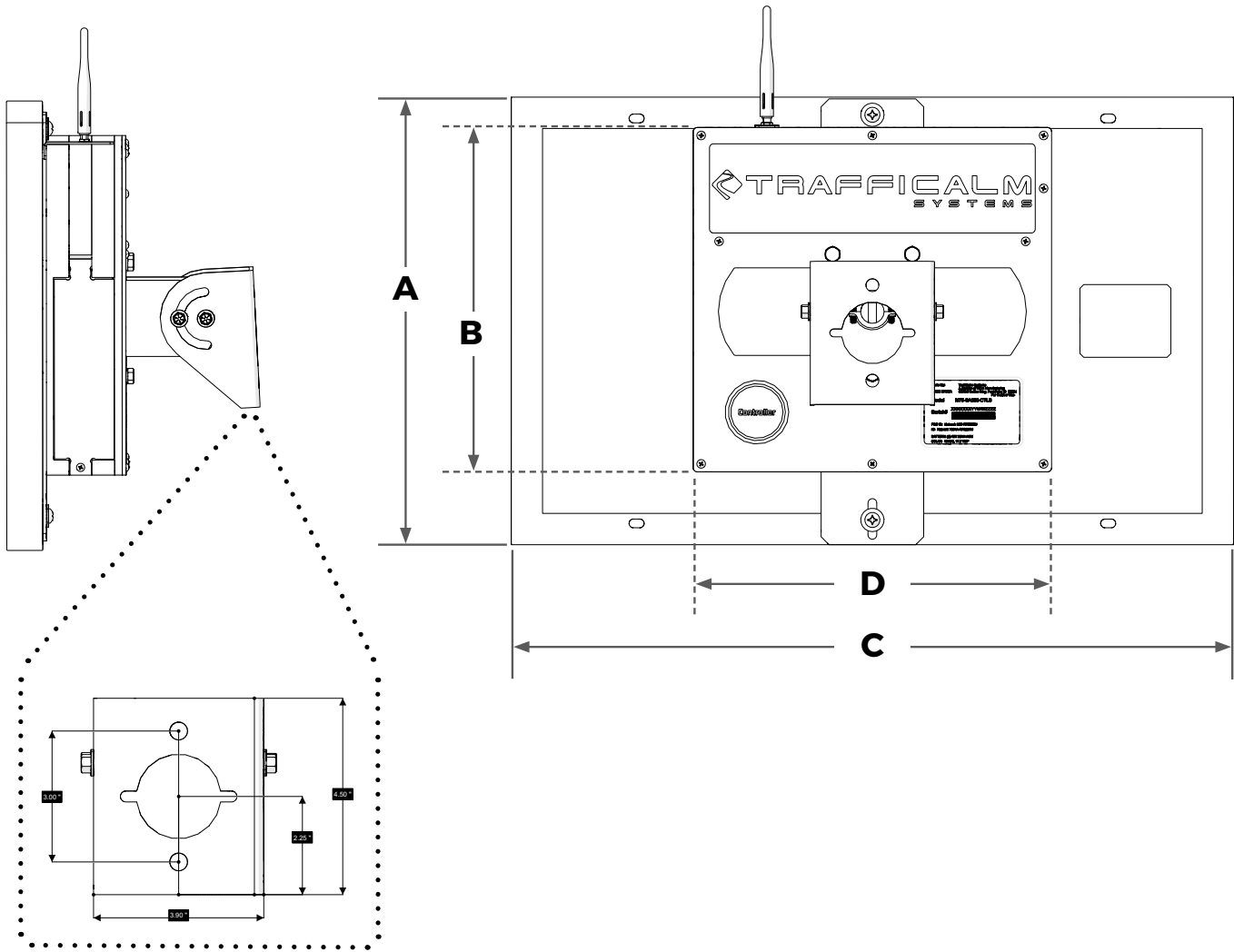
PERFORMANCE

- Wireless activation within 100 mS
- Wireless range of 1500 ft/457m (2.4GHz radios)
- -340 C to +740 C operating range (varies with battery type used)
- 5 year warranty, excluding batteries
- Lifetime product support

MODEL DETAILS

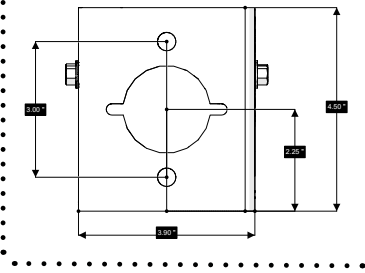
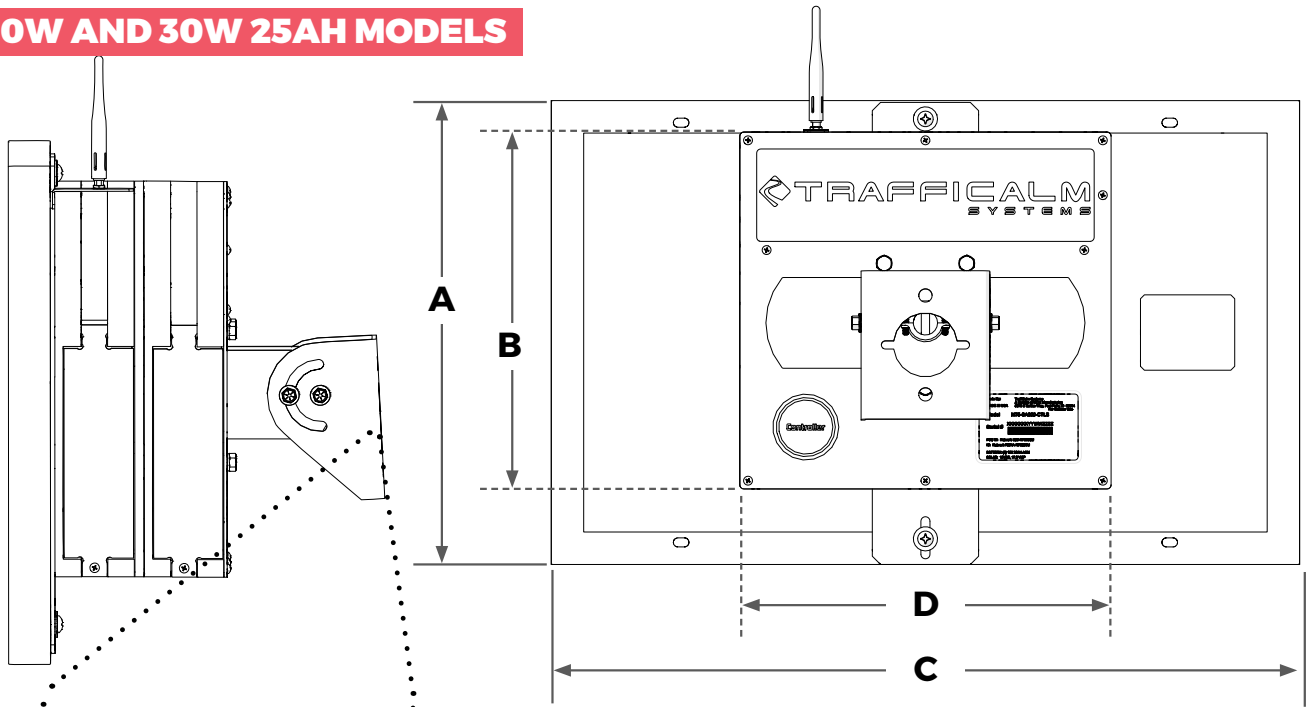
| | M75-SA300-CTLA* M75-SA300-CLBA* M75-SA300-BSCA | M75-SA300-CTL2* M75-SA300-CLB2* M75-SA300-BSC2* | M75-SA300-CTL3* M75-SA300-CLB3* M75-SA300-BSC3* | M75-SA300-CTLE* M75-SA300-CLBE* | M75-SA30M-CTL2 M75-SA30M-CLB2 M75-SA30M-BSC2 | M75-SA30M-CTL3 M75-SA30M-CLB3 M75-SA30M-BSC3 |
|------------------------|--|---|---|---|--|--|
| Weight | 22.0lbs/10.0kg | 25.0 lbs/11.3kg | 28.0 lbs/12.7kg | 29.0 lbs/13.1kg | 36.0 lbs/16.3kg | 39.0 lbs/17.7kg |
| Dims | 9.28"W x 10.5"H x 5.21" D [23.6cm,26.7cm,13.2cm] | 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] | 22.7"W x 14.1"H x 6.2"D [57.7cm,35.8cm,15.7cm] | 21.3"W x 20.1"H x 6.2"D [54.1cm, 51.1cm, 13.2cm] |
| AC/Sola | Integrated AC | Integrated Solar | Integrated Solar | Solar Panel Kit sold separately | Integrated Solar | Integrated Solar |
| Battery | Does not apply | AGM, 12Ah, 12V | AGM, 12Ah, 12V | Extreme Climate AGM, 13Ah, 12V | AGM, 24Ah, 12V | AGM, 24Ah, 12V |
| Solar Panel | Does not apply | 20W/1.16A [incl.] | 30W/1.74A [incl.] | 30, 50, or 60W kits available | 20W/1.74A [incl.] | 30W/1.74A [incl.] |
| AC Input | 0.43A/100-277VAC | Does not apply | Does not apply | Does not apply | 20W/1.74A [incl.] | Does not apply |
| Continuous Performance | Unlimited flashes/day | 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 | 1600 30sec activations per day with 2 hours sunlight | 1600 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 20W AND 30W 25AH MODELS



| | A | B | C | D |
|----------------|---------|--------|---------|--------|
| M75-SA30M-CTL2 | 14.1 in | 10.8in | 22.7 in | 11.2in |
| M75-SA30M-CLB2 | 35.8 cm | 27.5cm | 57.5 cm | 28.5cm |
| M75-SA30M-BSC2 | | | | |
| M75-SA30M-CTL3 | 20.1 in | 10.8in | 21.3 in | 11.2in |
| M75-SA30M-CLB3 | 51.1 cm | 27.5cm | 54.1 cm | 28.5cm |
| M75-SA30M-BSC3 | | | | |

FOR AC AND "E" MODELS

