

# TC REMOTE

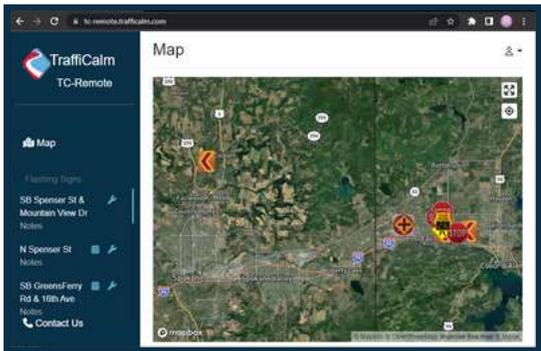
**TRAFFICALM**



## TC-REMOTE

TC-Remote allows agencies to remotely connect TraffiCalm® Flashing Sign Systems and Intelligent Warning Systems on one easy-to-manage web-based platform. This cloud-based Smart City platform delivers the right information to leverage your maintenance resources and infrastructure investment.

- System Health Monitoring and Alerts
- Remote Calendar Scheduling
- Downloadable Reports on the number of Activations and System Status
- Sign Knock down and System Failure Alerts via email and SMS texts



To view a video demonstrating how TC Remote functions, please scan this QR code.

## FEATURES

### Map and Icon Based Graphical User Interface

Remotely monitor the status of every TraffiCalm® Flashing Sign System with an interactive graphical map and icons in web-based software.

### 10-Year Cellular Data and Service Plan

No recurring data plans or contracts to manage for the planned life of the communication equipment. Guaranteed compatibility with remote communication devices and service for a 10-year period.

### Hub-Based Communications System for Low-Cost Deployment

TraffiCalm TC-Remote requires only one cellular modem for a controller, and all other collaborative systems within range will connect to the hub through on-board Mesh Net radio communication. This saves you money compared to other systems on the market that require a modem for each device.

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## ■ Status Overview

Monitoring status includes: voltage input, solar voltage, system settings, schedule settings, communication strength, switch input settings, output settings, radar settings, and knock-down sensors

## ■ Software Control Overview

System Configuration, Output Control, Input Configuration, Radar Configuration, and remote firmware upgrades

## ■ Communication System Connectivity

- Remote Communications Hub: Cellular CAT M1 Modem

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- Remote Communications Hub dimensions, minus controller: 4"x4"x2" (10.16 cm x 10.16 cm x 5.08 cm)

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- Cellular - 700MHz - 2.3 GHz Verizon ESIM

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- Local Controller: Mesh Net, Wi-Fi

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- Mesh Net - 2.4GHz Direct Sequence Spread Spectrum (DSSS)

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- Wi-Fi - 2.4GHz 802.11 b/g/n wireless LAN

## ■ Controller / Collaborator System Inputs / Outputs

- 2 Switch inputs - Push Button Input, Presence Detection, High Water Sensor, Over-Height Detector, Ice Sensor Input, etc.

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- 1 Radar Input - 10' to 1200' Vehicle Detection Range

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- 2 Switched Outputs - LED Flashing Sign Rings, Circular Beacons, Rectangular Rapid Flashing Beacons, etc. (3 outputs for Push-2-Cross systems) with Pulse-Width Modulation Dimming

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- System Compatibility requires TrafficCalm® TC Remote compatible controllers and collaborators

## ■ Environmental (For Remote Communications HUB):

- Operating Temperature - Electronics -40° C to +60° C operating range (-40° F to +140° F)

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- Humidity - 5-95% non-condensing

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- NEMA 4X, IP68 Rated

## ■ Warranty and Service

- 5-year warranty on electronics

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- Unlimited tech support from US based factory technicians

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- Guaranteed compatibility of communications devices and modem for the life of the 10-year data plan

| TC-Remote Software / Data Packages |  | Notes   |
|------------------------------------|--|---|
| Part Number                        | Description  |   |
| M75-TCR00-CP10                     | TC-Remote 10-Year Communication Package  | 1 Required Per Controller   |
| M75-TCR00-CLBL                     | TC-Remote Collaborator Software License  | 1 Required Per Collaborator                                       |
| TC-Remote Accessory Equipment      |  |   |
| Part Number                        | Description  | Notes   |
| M75-TCR00-CH00                     | TC-Remote Comm Hub   | 1 Required Per Controller   |
| M75-TCR00-TS01                     | TC-Remote Tilt Sensor - CLB2/CLB3  | 1 Required Per Flashing Sign System Integrated Solar Collaborator |
| M75-TCR00-TS02                     | TC-Remote Tilt Sensor all collaborators except CLB2/CLB3   | 1 Required Per "E" through "Z" Series Collaborators               |
| TC-Remote Controllers              |  |   |
| Part Number                        | Description  | Notes   |
| M75-TCR00-CTLA                     | AC Powered Intelligent Controller G4, TC-Remote Compatible   | 1 TC-Remote Controller Required Per System                        |
| M75-TCR00-CTL3                     | 30W/12Ah Solar Intelligent Controller G4, TC-Remote Compatible                                       |   |
| M75-TCR0M-CTL2                     | 20W/24Ah Solar Intelligent Duplex Controller G4, TC-Remote Compatible                                |   |
| M75-TCR0M-CTL3                     | 30W/24Ah Solar Intelligent Duplex Controller G4, TC-Remote Compatible                                |   |
| M75-TCR00-CTLE                     | 13Ah E-Series Solar Intelligent Controller G4, TC-Remote Compatible (required separate solar panel)  |   |
| M75-TCR00-CTLS                     | 40Ah S-Series Solar Intelligent Controller G4, TC-Remote Compatible (required separate solar panel)  |   |
| M75-TCR00-CTLT                     | 72Ah T-Series Solar Intelligent Controller G4, TC-Remote Compatible (required separate solar panel)  |   |
| M75-TCR00-CTLW                     | 108Ah W-Series Solar Intelligent Controller G4, TC-Remote Compatible (required separate solar panel) |   |
| M75-TCR00-CTLZ                     | 42Ah Solar Slimline Z-Series Beacon Intelligent Controller G4, TC-Remote Compatible                  |   |
| M75-TCR0A-CTLZ                     | AC Powered Slimline Z-Series Beacon Intelligent Controller G4, TC-Remote Compatible                  |   |