Why TraffiCalm?

- UL/ULC listed products available
- ISO:9001 Certified USA based manufacturing facility
- All signs 100% MUTCD compliant
- Vandal resistant designs
- Broadest range of sizes and options in the industry
- Industry leading turnaround from order to delivery
- Unlimited tech support and customer service from our USA facility
- Industry Pioneers in Radar Driver Feedback Technology
Superior components make superior signs.

Value signs include a 20W solar package. Traffic data very simple and efficient. Connectivity makes programming and collection of data with every TraffiCalm smart sign purchase. Bluetooth data collection software is included free of charge. SafetyCalm™ sign comes with either a 2 or 3 year limited warranty. Amber colored highly visible LEDs rated for 100,000 hours. Smart signs include “full matrix” displays which can be programmed to display simple graphics or traffic direction messages (too fast, slow down, etc). Modular design for easy installation and service. Every sign comes with either a 2 or 3 year limited warranty. SafetyCalm™ data collection software is included free of charge with every TraffiCalm smart sign purchase. Bluetooth connectivity makes programming and collection of traffic data very simple and efficient. Every sign comes ready for 110 AC power, or Solar power (power packages are ordered separately). Value signs include a 20W solar package.

TrafficCalm signs are MUTCD compliant and UL/ULC Listed products are available. They are also manufactured in the USA at an ISO 9001 certified facility.

3M™ Diamond Grade™ high visibility prismatic long-life reflective sheeting in colors: white, fluorescent yellow-green, fluorescent orange or yellow. Vandal resistant display cover and housing. Weatherproof sealed NEMA 3R rated enclosure with high impact non-glass, non-permeable polycarbonate cover.

Roadway Series Driver Feedback Signs

Portage Road Speed

- 14” Radar Driver Feedback - Smart Sign
  - Full matrix display and data collection capability make this a perfect sign for calming community roadway traffic. SafetyCalm™ configuration and data collection software included.

- 15” Radar Driver Feedback - Smart Sign
  - Bright large clean letters with programmable display and data collection capability allow you to calm and track traffic on medium speed roads. SafetyCalm™ configuration and data collection software included.

- 18” Radar Driver Feedback - Smart Sign
  - Bright large clean letters with programmable display and data collection capability allow you to calm and track high speed highway traffic. SafetyCalm™ configuration and data collection software included.

Portable Series Driver Feedback Signs

Tap into your budget conscience. Radar Driver Feedback signs are designed for temporary deployment on streets and roadways. Solar powered sign is a great choice to make streets safer. Included IR remote for sign programming.

- 9” Radar Driver Feedback - Portable Value Sign
  - Full matrix display and data collection capability make this a perfect sign for neighborhoods. SafetyCalm™ configuration and data collection software included.

- 12” Radar Driver Feedback - Portable Value Sign
  - Full matrix display and data collection capability make this a perfect sign for calming neighborhood traffic. SafetyCalm™ configuration and data collection software included.

- 15” Radar Driver Feedback - Portable Value Sign
  - With solar package included, this economical sign is fully operational out of the box. Also includes IR remote for sign programming.

- 18” Radar Driver Feedback - Portable Smart Sign
  - Full matrix display and data collection capability make this a perfect sign for calming neighborhood traffic. SafetyCalm™ configuration and data collection software included.

- 9” Radar Driver Feedback - Portable Smart Sign
  - With solar package included, this economical sign is fully operational out of the box. Also includes IR remote for sign programming.

- 12” Radar Driver Feedback - Portable Smart Sign
  - Full matrix display and data collection capability make this a perfect sign for calming neighborhood traffic. SafetyCalm™ configuration and data collection software included.

- 15” Radar Driver Feedback - Portable Smart Sign
  - For the budget conscious, this solar powered sign is a great choice to make streets safer. Includes IR remote for sign programming.

- 18” Radar Driver Feedback - Portable Smart Sign
  - For the budget conscious, this solar powered sign is a great choice to make streets safer. Includes IR remote for sign programming.

Street Series Driver Feedback Signs

- 35 MPH
  - Radar Driver Feedback signs designed for high speed streets and roadways.

- 18” Radar Driver Feedback - Smart Sign
  - With solar package included, this economical sign is fully operational out of the box. Also includes IR remote for sign programming.

- 9” Radar Driver Feedback - Portable Value Sign
  - Full matrix display and data collection capability make this a perfect sign for neighborhoods. SafetyCalm™ configuration and data collection software included.

- 12” Radar Driver Feedback - Portable Value Sign
  - With solar package included, this economical sign is fully operational out of the box. Also includes IR remote for sign programming.

- 15” Radar Driver Feedback - Portable Value Sign
  - With solar package included, this economical sign is fully operational out of the box. Also includes IR remote for sign programming.

- 18” Radar Driver Feedback - Portable Smart Sign
  - With solar package included, this economical sign is fully operational out of the box. Also includes IR remote for sign programming.

- 9” Radar Driver Feedback - Portable Smart Sign
  - With solar package included, this economical sign is fully operational out of the box. Also includes IR remote for sign programming.

- 12” Radar Driver Feedback - Portable Smart Sign
  - With solar package included, this economical sign is fully operational out of the box. Also includes IR remote for sign programming.

- 15” Radar Driver Feedback - Portable Smart Sign
  - With solar package included, this economical sign is fully operational out of the box. Also includes IR remote for sign programming.

- 18” Radar Driver Feedback - Portable Smart Sign
  - With solar package included, this economical sign is fully operational out of the box. Also includes IR remote for sign programming.

- 18” Radar Driver Feedback - Smart Sign
  - With solar package included, this economical sign is fully operational out of the box. Also includes IR remote for sign programming.

- 9” Radar Driver Feedback - Portable Smart Sign
  - Full matrix display and data collection capability make this a perfect sign for calming neighborhood traffic. SafetyCalm™ configuration and data collection software included.

- 12” Radar Driver Feedback - Portable Smart Sign
  - Full matrix display and data collection capability make this a perfect sign for calming neighborhood traffic. SafetyCalm™ configuration and data collection software included.

- 15” Radar Driver Feedback - Portable Smart Sign
  - Full matrix display and data collection capability make this a perfect sign for calming neighborhood traffic. SafetyCalm™ configuration and data collection software included.

- 18” Radar Driver Feedback - Portable Smart Sign
  - Full matrix display and data collection capability make this a perfect sign for calming neighborhood traffic. SafetyCalm™ configuration and data collection software included.

- 18” Radar Driver Feedback - Smart Sign
  - Full matrix display and data collection capability make this a perfect sign for calming neighborhood traffic. SafetyCalm™ configuration and data collection software included.

- 18” Radar Driver Feedback - Jumbo Smart Sign
  - Full matrix display and data collection capability make this a perfect sign for calming highway traffic. The Jumbo option provides for larger “YOUR SPEED” lettering. SafetyCalm™ configuration and data collection software included.

- 15” Radar Driver Feedback - Portable Smart Sign
  - Full matrix display and data collection capability make this a perfect sign for calming neighborhood traffic. SafetyCalm™ configuration and data collection software included.

- 18” Radar Driver Feedback - Portable Smart Sign
  - Full matrix display and data collection capability make this a perfect sign for calming neighborhood traffic. SafetyCalm™ configuration and data collection software included.

- 18” Radar Driver Feedback - Smart Sign
  - Full matrix display and data collection capability make this a perfect sign for calming neighborhood traffic. SafetyCalm™ configuration and data collection software included.

- 18” Radar Driver Feedback - Jumbo Smart Sign
  - Full matrix display and data collection capability make this a perfect sign for calming highway traffic. The Jumbo option provides for larger “YOUR SPEED” lettering. SafetyCalm™ configuration and data collection software included.

- 18” Radar Driver Feedback - Portable Smart Sign
  - Full matrix display and data collection capability make this a perfect sign for calming neighborhood traffic. SafetyCalm™ configuration and data collection software included.
**9” Driver Feedback Value Sign**

The TraffiCalm Street Series of Radar Driver Feedback Value Signs offers an economical and simple solution to help increase driver speed awareness and road safety. The bright 9” characters can be seen from up to 450’ away, and help increase driver speed awareness on the neighborhood streets where so many small accidents occur every year. TraffiCalm Value signs are designed for situations where drivers need to simply be alerted of their current speed but the additional data collecting and screen programming capabilities of TraffiCalm Smart signs is not necessary.

TraffiCalm Driver Feedback Signs are manufactured in the USA in an ISO 9001:2008 certified facility, meeting and exceeding industry standards and state testing requirements. TraffiCalm signs are unmatched in durability, accuracy, ease of use and affordability.

**Features:**
- IR remote for configuration and basic programming
- 100% MUTCD compliant
- Complete 20W Solar package included
- Integrated batteries provide for several days of normal operation on a single charge without the assistance of the solar panel
- K-band (24.15GHz) radar, range 450+ feet.
- Unlimited tech support and customer service from our USA facility for the life of the sign
- Fast delivery—typically ships within 5 days
- Unlimited tech support and customer service
- K-band (24.15GHz) direct sensing, license free (FCC part 15 compliant), average range at 450 feet (plus 400’ or minus 100’ depending on vehicle size)

**Package Includes:**
- Driver Feedback sign, mounting bracket, 20W solar package, installation and user manual
- 3 year limited warranty

**Warranties**
- 3 year limited warranty; Power options: 2 year limited warranty (excluding batteries)
- 3/16” high impact polycarbonate face with high contrast mask, anti-glare graffiti and sunlight resistant
- Provisions for padlocking in place are provided
- Sealed electronics box (ECS) 1/16” thick aluminum enclosure attached to a 1/8” thick mounting plate. The ECS is removable from the chassis as a complete unit.

**Materials and Construction**
- Chassis Size/Total Weight: 18” width x 24” height x 1-7/8” depth, 20 pounds with bracket
- Front Face Color: White, fluorescent yellow-green, with additional colors optional
- Sign Mounting Construction: 1/8” thick aluminum brackets and face, standard 3” lift bracket configuration, Flat mount brackets optional
- Mounting: Quick detachable mount (lockable). Mount capable of being bolted or banded to a 2½ or larger round pole, or flat surface.
- White, fluorescent yellow-green, with additional colors optional

**Electrical Specifications**
- Power Requirements: 12VDC, low standby: average day at 8.5W, average night at 1.9W
- Voltage Requirements: 9V-30VDC, 12VDC Nominal (Battery protection at 11.5VDC and 10.8VDC, startup at 12.3VDC)
- Solar Package: Comes complete with a 20 Watt Polycrystalline panel, rack, and integrated TraffiCalm Smart Solar Charger™.
- Power Options: Upgrade to 55 Watt solar panel, optional indoor rated AC battery charger for demo or display
- Operating Temperature: Internal components: -34°C to +74°C/-29°F to +165°F
- Ambient environment: -34°C to +40°C/-30°F to +104°F

**Programming Specifications**
- Programmable Display Features: Min speed to display, over speed, and maximum speed to display
- Display Type: actual speed, flashing digits, steady digits, Control line for external devices such as beacons
- Schedules: Repeating daily: 2 events
- Communications: IGA Compliant Wireless Remote
- Warrantees: 3 year limited warranty; Power options: 2 year limited warranty (excluding batteries)

**Features:**
- Optimized for 5-25mph roadways
- Easy Installation
- Solar Kit Included
- Economical
- 7-Segment Display

**Part #: M75-009SE-0000**

**Specifications**

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specifications</th>
</tr>
</thead>
<tbody>
<tr>
<td>Speed Display Height</td>
<td>9” high numbers</td>
</tr>
<tr>
<td>Configuration</td>
<td>Seven-Segment Display</td>
</tr>
<tr>
<td>“YOUR SPEED” Legend</td>
<td>3” high highway gothic font (MUTCD compliant)</td>
</tr>
<tr>
<td>LED, 1/2 Cone Angle</td>
<td>Amber (9/16”); 1/4-angle 15”; Rated 100,000 hours; 20,000 CDA M”2, Auto Dimming employed</td>
</tr>
<tr>
<td>Amber LED on Axis Intensity</td>
<td>20,000 CDA/SQ meter</td>
</tr>
<tr>
<td>Sign Legibility</td>
<td>Viewable range: 750 feet, legible range: 450 feet</td>
</tr>
<tr>
<td>Speed Resolution and Range</td>
<td>Min 5 mph, Max 99 mph in 1 mph steps (min 8 kph, max 159 kph in 1.6 kph steps)</td>
</tr>
<tr>
<td>Radar Specification and Range</td>
<td>K-band (24.15GHz) direct sensing, license free (FCC part 15 compliant), average range at 450 feet (plus 400’ or minus 100’ depending on vehicle size)</td>
</tr>
</tbody>
</table>

**Materials and Construction**

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specifications</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chassis Size/Total Weight</td>
<td>18” width x 24” height x 1-7/8” depth, 20 pounds with bracket</td>
</tr>
<tr>
<td>Front Face Color</td>
<td>White, fluorescent yellow-green, with additional colors optional</td>
</tr>
<tr>
<td>Sign Mounting Construction</td>
<td>1/8” thick aluminum brackets and face, standard 3” lift bracket configuration, Flat mount brackets optional</td>
</tr>
<tr>
<td>Mounting</td>
<td>Quick detachable mount (lockable). Mount capable of being bolted or banded to a 2½” square pole, U-channel pole, or flat surface</td>
</tr>
</tbody>
</table>

**Electrical Specifications**

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specifications</th>
</tr>
</thead>
<tbody>
<tr>
<td>Power Requirements</td>
<td>12VDC, low standby: average day at 8.5W, average night at 1.9W</td>
</tr>
<tr>
<td>Voltage Requirements</td>
<td>9V-30VDC, 12VDC Nominal (Battery protection at 11.5VDC and 10.8VDC, startup at 12.3VDC)</td>
</tr>
<tr>
<td>Solar Package</td>
<td>Comes complete with a 20 Watt Polycrystalline panel, rack, and integrated TraffiCalm Smart Solar Charger™.</td>
</tr>
<tr>
<td>Power Options</td>
<td>Upgrade to 55 Watt solar panel, optional indoor rated AC battery charger for demo or display</td>
</tr>
</tbody>
</table>

**Programming Specifications**

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specifications</th>
</tr>
</thead>
<tbody>
<tr>
<td>Programmable Display Features</td>
<td>Min speed to display, over speed, and maximum speed to display</td>
</tr>
<tr>
<td>Display Type</td>
<td>actual speed, flashing digits, steady digits, Control line for external devices such as beacons</td>
</tr>
<tr>
<td>Schedules</td>
<td>Repeating daily: 2 events</td>
</tr>
<tr>
<td>Communications</td>
<td>IGA Compliant Wireless Remote</td>
</tr>
</tbody>
</table>

**Warranties**

3 year limited warranty; Power options: 2 year limited warranty (excluding batteries)
TraffiCalm 9” Driver Feedback Smart Sign

The TraffiCalm Street Series of Radar Driver Feedback Smart Signs offers solutions for increasing driver speed awareness and road safety. The bright 9” characters can be seen from up to 400’ away, and help increase driver speed awareness on the neighborhood streets where so many small accidents occur every year. SafetyCalm™ data collection software allows you to gather hard data of traffic patterns and program the sign to help keep streets safer.

TraffiCalm Driver Feedback Signs are manufactured in the USA in an ISO 9001:2008 certified facility, meeting and exceeding industry standards and state testing requirements. The 9” TraffiCalm Smart Signs are UL/ULC listed for electric code compliance. TraffiCalm signs are unmatched in durability, accuracy, ease of use and affordability.

Features:
- Bluetooth remote programming
- SafetyCalm™ Configuration and Traffic Data Collection Software included free
- Programmable full matrix display allows the sign to display speed numbers as well as messages like “SLOW DOWN”.
- UL/ULC listed for simple and code compliant installation
- 100% MUTCD compliant
- Solar or 110V AC ready (power packages sold separately)
- K-band (24.15GHz) radar, range 450+ feet.
- Unlimited tech support and customer service from our USA facility for the life of the sign
- Fast delivery typically ships within 5 days of order
- 3 year limited warranty

Package Includes:
- Bluetooth remote programming software to program your sign from your laptop and collect and graphically display traffic data.

SafetyCalm™ SafetyCalm™ Configuration and Traffic Data Collection Software allows you to program your sign from your laptop and collect and graphically display traffic data.

Specifications

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specifications</th>
</tr>
</thead>
<tbody>
<tr>
<td>Speed Display Height</td>
<td>9” high numbers</td>
</tr>
<tr>
<td>Text &amp; Emotion Height</td>
<td>3” high two lines &quot;SLOW DOWN&quot; text; 9” high &quot;smile&quot; or &quot;sad&quot; face emotion</td>
</tr>
<tr>
<td>SPEED&quot; Legend</td>
<td>3” high highway gothic font (MUTCD compliant)</td>
</tr>
<tr>
<td>LED, 1/2 Cone Angle</td>
<td>Amber (590nm); ½-Angle 15°; Rated 100,000 hours; 20,000 CDA/M2, Auto Dimming employed</td>
</tr>
<tr>
<td>Amber LED on Axis Intensity</td>
<td>20,000 CDA/SQ meter</td>
</tr>
<tr>
<td>Sign Legibility</td>
<td>Viewable range: 750 feet; legible range: 450 feet</td>
</tr>
<tr>
<td>Resolution and Range</td>
<td>Speed Resolution and Range Min 5 mph; Max 99 mph in 1.6 mph steps</td>
</tr>
<tr>
<td>Radar Specification and Range</td>
<td>K-band (24.15GHz) direct sensing; license free (FCC part 15 compliant); average range at 450 feet (plus 400’ or minus 100’ depending on vehicle size)</td>
</tr>
</tbody>
</table>

Materials and Construction

- Chassis Size/Total Weight: 1/8” wide x 24” height x 1-7/8” depth; 10 pounds with bracket
- Front Face Sheeting: 3M™ Diamond Grade™; high visibility prismatic, long life protective sheeting
- Sign Face Color: White; fluorescent yellow-green; additional colors optional
- Sign Mounting Construction: Sealed electronics box (ECS): 1/8” thick aluminum enclosure attached to a 1/8” thick mounting plate. The ECS is removable from the chassis as a complete unit.
- 3/16” high impact polycarbonate face with high contrast mask; anti-glare graffiti and sunlight resistant
- Provisions for padlocking in place are provided
- Standard DOT powder coat green color with additional colors optional
- Electronics Enclosure Rating: Weatherproof, NEMA 3R

Electrical Specifications

- Power Requirements: 12VDC, low standby: average day at 8.5W, average night at 1.5W
- Voltage Requirements: 9V-30VDC, 12VDC Nominal (Battery protection at 11.5VDC and 10.8VDC; startup at 12.3VDC)
- Power Options: AC power kit
- Solar Kit: 55W, 90W and 130W
- Battery charger kit; battery box
- Operating Temperature: Internal components: -34°C to +74°C (-29°F to +165°F)
- Ambient environment: -34°C to +60°C (-29°F to +140°F)
- Warranties: 3 year limited warranty; Power options: 2 year limited warranty (excluding batteries)

Data Collection

- SafetyCalm™ software; license free
- Event Logging with Time Stamp: Event data; (60 days with a circular buffer); applied voltage (VDC); internal temperature (°C); ambient light (lux); display functional status; traffic status; shock sensor events;
- Vehicle Data Logging Capacity: Speed Date; 90 days with circular buffer (oldest reading replaced by newest) based on 24/7 operation
- Programmable Display Features: Min. speed limit; speed limit; over speed; maximum speed to display
- Programmable integrated “SLOW DOWN” Message; external beacon control
- Schedules: Repeating daily: 9 events; repeating weekly: 9 events; non-repeating dated: 9 events; (27 events in each 24 hour period; 365 days per year while powered)
- Communications: Bluetooth® Class 1 connectivity (V2.1 +EDC) min at 30’ (FCC certified); RS232 port
- App for Android™

SafetyCalm™ Configuration and Traffic Data Collection Software

- System Requirements: Operating system: Windows XP; Windows Vista; Windows 7
- Screen resolution: 1024 x 768 or better
- Communications interfaces: Bluetooth Class 1 or 2 adapters (capabilities: V1.0, V1.2, V2.0, V2.1 + EDC)
- Disk space: 16.5MB minimum

Part #: M78-91DFB-000x

- Full Matrix Display
- Solar or AC power options
- Optimized for 5-25 mph roadways
- Bluetooth wireless communication

www.trafficalmsystems.com • 1-855-738-2722

3M™ and Diamond Grade™ are trademarks of 3M. Android is a trademark of Google, Inc. TraffiCalm product descriptions and specifications are subject to change without notice. All Rights Reserved
12” Driver Feedback Value Sign

The TraffiCalm Street Series of Radar Driver Feedback Value Signs offers an economical and simple solution to help increase driver speed awareness and road safety. The bright 12” characters can be seen from up to 600’ away, and help increase driver speed awareness on the neighborhood streets where so many small accidents occur every year. TraffiCalm Value signs are designed for situations where drivers need to simply be alerted of their current speed but the additional data collecting and screen programming capabilities of TraffiCalm Smart signs is not necessary.

TraffiCalm Driver Feedback Signs are manufactured in the USA in an ISO 9001:2008 certified facility, meeting and exceeding industry standards and state testing requirements. TraffiCalm signs are unmatched in durability, accuracy, ease of use and affordability.

Features:
- IR remote for configuration and basic programming
- 100% MUTCD compliant
- Complete 20W Solar package included
- Integrated batteries provide for several days of normal operation on a single charge without the assistance of the solar panel
- K-band (24.15GHz) radar, range 650+ feet
- Unlimited tech support and customer service from our USA facility for the life of the sign
- Fast delivery - typically ships within 5 days of order
- 3 year limited warranty

Package Includes:
Driver Feedback sign, mounting bracket, 20W solar package, installation and user manual.

Specifications:
- Speed Display Height: 12” high numbers
- Configuration: Seven-Segment Display
- Radar Specification and Range: Min 5 mph; Max 99 mph in 1 mph steps (min 8 kph, max 99 kph in 1.6 kph steps)
- Sign Legibility: Viewable range: 1,000 feet, legible range: 600 feet
- Speed Resolution and Range: Min 5 mph; Max 99 mph in 1 mph steps (min 8 kph, max 99 kph in 1.6 kph steps)
- Parts #: M75-012SE-000x

Materials and Construction
- Chassis Size/Total Weight: 24” width x 30” height x 2-1/4” depth; 35 pounds with bracket
- Front Face Sheeting: 3M™ Diamond Grade™, high visibility prismatic, long life protective sheeting
- Sign Color: White; fluorescent yellow-green; with additional colors optional
- Sign Mounting Construction: 1/8” thick aluminum brackets and face; standard 3% tilt bracket configuration; flat mount brackets optional
- Vandal Resistant Construction: Sealed electronics box (ECS) 1/16” thick aluminum enclosure attached to a 1/8” thick mounting plate. The ECS is removable from the chassis as a complete unit.
- Weatherproof: NEMA 4X

Electrical Specifications
- Power Requirements: 12VDC, low standby: average day at 8.5W, average night at 1.5W
- Voltage Requirements: 9V-30VDC; 12VDC Nominal (Battery protection at 11.5VDC and 10.8VDC; startup at 12.3VDC)
- Solar Package: Comes complete with a 20 Watt Polycrystalline panel, rack, and integrated TraffiCalm Smart Solar Charger™.
- Power Options: Upgrade to 55 Watt solar panel; optional indoor rated AC battery charger
- Operating Temperature: Internal components: -34°C to +74°C/-30°F to +165°F
- Ambient environment: -34°C to +90°C/-30°F to +140°F

Programming Specifications
- Programmable Display Features: Min speed to display, over speed, and maximum speed to display
- Display: actual speed; flashing digits; steady digits
- Control line for external devices such as beacons
- Schedules: Repeating daily: 1 event
- Communications: IGA Compliant Wireless Remote
- Warranties: 3 year limited warranty; Power options: 2 year limited warranty (excluding batteries)
12" Driver Feedback Smart Sign

The TraffiCalm Street Series of Radar Driver Feedback Smart Signs offers solutions for increasing driver speed awareness and road safety. The bright 12" characters can be seen from up to 600' away, and help increase driver speed awareness on the neighborhood streets where so many small accidents occur every year. SafetyCalm™ data collection software allows you to gather hard data of traffic patterns and program the sign to help keep streets safer.

TraffiCalm Driver Feedback Signs are manufactured in the USA in an ISO 9001:2008 certified facility, meeting and exceeding industry standards and state testing requirements. The 12" TraffiCalm Smart Signs are UL/ULC listed for electric code compliance. TraffiCalm signs are unmatched in durability, accuracy, ease of use and affordability.

Features:
- Bluetooth wireless programming
- SafetyCalm™ Configuration and Traffic Data Collection Software included free
- Programmable full matrix display allows the sign to display speed numbers as well as messages like "SLOW DOWN"
- UL/ULC listed for simple and code compliant installation
- 100% MUTCD compliant
- Solar or 110V AC ready (power packages sold separately)
- K-band (24.15GHz) radar, range 450+ feet
- Unlimited tech support and customer service from our USA facility for the life of the sign
- Fast delivery- typically ships within 5 days of order
- 3 year limited warranty

Package Includes:

SafetyCalm™

SafetyCalm™ Configuration and Traffic Data Collection Software allows you to program your sign from your laptop and collect and graphically display traffic data.

---

### Specifications

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specifications</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>LED and Radar Components</strong></td>
<td></td>
</tr>
<tr>
<td>Speed Display Height</td>
<td>12&quot; high numbers</td>
</tr>
<tr>
<td>Text &amp; Emission Height</td>
<td>3&quot; high two lines &quot;SLOW DOWN&quot; text; 12&quot; high &quot;smile&quot; or &quot;sad face emotion&quot;</td>
</tr>
<tr>
<td><strong>YOUR SPEED</strong> Legend</td>
<td>3&quot; high highway gothic font (MUTCD compliant)</td>
</tr>
<tr>
<td>LID, 1/2 Cone Angle</td>
<td>Amber (5900M); 4.5°-Angle 15°; Rated 100,000 hours; 20,000 CD/M²; Auto Dimming employed</td>
</tr>
<tr>
<td>Amber LED on Anti Light</td>
<td>20,000 CDA/SQ meter</td>
</tr>
<tr>
<td>Sign Legibility</td>
<td>Viewable range: 1,000 feet; legible range: 600 feet</td>
</tr>
<tr>
<td>Speed Resolution and Range</td>
<td>Min 5 mph; Max 143 mph in 1 mph steps (min 8 kph, max 230 kph in 1.6 kph steps)</td>
</tr>
<tr>
<td>Radar Specification and Range</td>
<td>K-band (24.15GHz) direct sensing; license free (FCC part 15 compliant); average range at 450 feet (plus 400' or minus 100' depending on vehicle size)</td>
</tr>
</tbody>
</table>

### Electrical Specifications

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Power Requirements</td>
<td>2W stealth; 300MW standby; 6W night; 28W day</td>
</tr>
<tr>
<td>Voltage Requirements</td>
<td>9V-30VDC, 12VDC Nominal (Battery protection at 11.5VDC and 10.8VDC; startup at 12.3VDC)</td>
</tr>
<tr>
<td>Power Options</td>
<td>AC Power Module 120W Version required</td>
</tr>
<tr>
<td>Solar kits</td>
<td>Solar kits: 130W recommended; 85W kit available.</td>
</tr>
<tr>
<td>Battery charger kit</td>
<td>Battery charger kit; battery box</td>
</tr>
<tr>
<td>Internal temperature range</td>
<td>-34°C to +74°C/-29°F to +165°F</td>
</tr>
<tr>
<td>Ambient environment</td>
<td>-34°C to +40°C/-29°F to +104°F</td>
</tr>
<tr>
<td>Warranties</td>
<td>3 year limited warranty; Power options: 2 year limited warranty (excluding batteries)</td>
</tr>
</tbody>
</table>

### Software Configuration and Traffic Data Collection Software

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specifications</th>
</tr>
</thead>
<tbody>
<tr>
<td>Data Collection</td>
<td>SafetyCalm™ software, license free</td>
</tr>
<tr>
<td>Event Logging with Time Stamp</td>
<td>Event data: 90 days with a circular buffer; applied voltage (VDC); internal temperature (°C); ambient light (lux); display functional status; traffic status; shock sensor events; parameter events</td>
</tr>
<tr>
<td>Vehicle Data Logging Capacity</td>
<td>Speed data: 90 days with circular buffer (oldest reading replaced by newest) based on 24/7 operation</td>
</tr>
<tr>
<td>Programmable Display Features</td>
<td>Mn. speed limit; speed limit; over speed; and maximum speed to display</td>
</tr>
<tr>
<td>Display type</td>
<td>blank (idle mode); actual speed; speed limit; flashing digits; steady digits; strobing digits and strobing &quot;SLOW DOWN&quot; text</td>
</tr>
<tr>
<td>Programmable integrated &quot;SLOW DOWN&quot; Message</td>
<td>Programmable integrated &quot;SLOW DOWN&quot; Message: external beacon control</td>
</tr>
<tr>
<td>Schedules</td>
<td>Repeating daily: 9 events; repeating weekly: 9 events; non-repeating dated: 9 events; (27 events in one 24 hour period; 365 days per year while powered)</td>
</tr>
<tr>
<td>Communications</td>
<td>Bluetooth™ Class 1 connectivity (V2.1 +EDC) min at 30' (FCC certified); RS232 port</td>
</tr>
<tr>
<td>System Requirements</td>
<td>Operating system: Windows XP, Windows Vista, Windows 7</td>
</tr>
<tr>
<td>Screen resolution</td>
<td>1024 x 768 or better</td>
</tr>
<tr>
<td>Communications interfaces</td>
<td>Bluetooth Class 1 or 2 adapters (capabilities: V1.0, V1.2, V2.0, V2.1 + EDC)</td>
</tr>
<tr>
<td>Disk space</td>
<td>16.5MB minimum</td>
</tr>
</tbody>
</table>

---

**Part #: M76-12DFB-000x**

- Full Matrix Display
- Solar or AC power options
- Optimized for 5-35 mph roadways
- Bluetooth wireless communication

---

**The 12" Smart Sign is also available as a Variable Speed Limit sign with data logging and driver feedback (speed awareness) feature. When ordering, select VSL.**

---

**12" Driver Feedback Smart Signs**

- **Speed Display:** 12" high numbers
- **Text & Emission Height:** 3" high two lines "SLOW DOWN" text; 12" high "smile" or "sad face emotion"
- **YOUR SPEED** Legend: 3" high highway gothic font (MUTCD compliant)
- **LID, 1/2 Cone Angle:** Amber (5900M); 4.5°-Angle 15°; Rated 100,000 hours; 20,000 CD/M²; Auto Dimming employed
- **Amber LED on Anti Light:** 20,000 CDA/SQ meter
- **Sign Legibility:** Viewable range: 1,000 feet; legible range: 600 feet
- **Speed Resolution and Range:** Min 5 mph; Max 143 mph in 1 mph steps (min 8 kph, max 230 kph in 1.6 kph steps)
- **Radar Specification and Range:** K-band (24.15GHz) direct sensing; license free (FCC part 15 compliant); average range at 450 feet (plus 400' or minus 100' depending on vehicle size)
9" Portable Driver Feedback Value Sign

The TraffiCalm Portable Series of Radar Driver Feedback Value Signs offers an economical and simple solution to help increase driver speed awareness and road safety along with the flexibility of a portable system. The bright 9" characters can be seen from up to 450' away, and help increase driver speed awareness on the neighborhood streets where so many small accidents occur every year. TraffiCalm Value signs are designed for situations where drivers need to simply be alerted of their current speed but the additional data collecting and screen programming capabilities of TraffiCalm Smart signs is not necessary. The 9" Portable Value sign offers multi-site versatility. Temporarily deploy the lightweight sign to locations of your choice with the ease of our two-bolt mounting system. Individual mounting brackets are available as an accessory, and one is required per location.

TraffiCalm Driver Feedback Signs are manufactured in the USA in an ISO 9001:2008 certified facility, meeting and exceeding industry standards and state testing requirements. TraffiCalm signs are unmatched in durability, accuracy, ease of use and affordability.

Features:
- IR remote for configuration and basic programming
- 100% MUTCD compliant
- Built in 20Ah battery pack and AC charging adapter from charging between deployments
- K-band (24.15GHz) radar, range 450+ feet.
- Unlimited tech support and customer service from our USA facility for the life of the sign
- Fast delivery- typically ships within 5 days of order
- 3 year limited warranty

Package Includes:
Driver Feedback sign, mounting bracket, installation and user manual.

Part #: M75-9VIDFB-P00x
- Economical
- 7-Segment Display
- AC Charger Included
- Easy Installation and multi-site versatility (see pg. 29 for accessory brackets)
- Optimized for 5-25 mph roadways

9" Portable Driver Feedback Smart Sign

The TraffiCalm Portable Series of Radar Driver Feedback Smart Signs offers solutions for increasing driver speed awareness and road safety along with the flexibility of a portable system. The bright 9" characters can be seen from up to 450' away, and help increase driver speed awareness on the neighborhood streets where so many small accidents occur every year. SafetyCalm™ data collection software allows you to gather hard data of traffic patterns and program the sign to help keep streets safer. The 9" Portable Smart sign offers multi-site versatility. Temporarily deploy the lightweight sign to locations of your choice with the ease of our two-bolt mounting system. Individual mounting brackets are available as an accessory, and one is required per location.

TraffiCalm Driver Feedback Signs are manufactured in the USA in an ISO 9001:2008 certified facility, meeting and exceeding industry standards and state testing requirements. TraffiCalm signs are unmatched in durability, accuracy, ease of use and affordability.

Features:
- Bluetooth wireless programming
- SafetyCalm™ Configuration and Traffic Data Collection software included free
- Programmable full matrix display allows the sign to display speed numbers as well as messages like “SLOW DOWN”:
  - 100% MUTCD compliant
  - Built in 20Ah battery pack and AC charging adapter from charging between deployments
  - K-band (24.15GHz) radar, range 450+ feet.
  - Unlimited tech support and customer service from our USA facility for the life of the sign
  - Fast delivery- typically ships within 5 days of order
  - 3 year limited warranty

Package Includes:

For technical specifications of this product see chart on page 7
**12” Portable Driver Feedback Value Sign**

The TraffiCalm Portable Series of Radar Driver Feedback Value Signs offer solutions for increasing driver speed awareness and road safety along with the flexibility of being portable. The bright 12” characters can be seen from up to 600’ away, and help increase driver speed awareness on the neighborhood streets where so many small accidents occur every year. SafetyCalm™ data collection software allows you to gather hard data of traffic patterns and program the sign to help keep streets safer. The 12” Portable Value sign offers multi-site versatility. Temporarily deploy the lightweight sign to locations of your choice with the ease of our two-bolt mounting system. Individual mounting brackets are available as an accessory, and one is required per location.

TraffiCalm Driver Feedback Signs are manufactured in the USA in an ISO 9001:2008 certified facility, meeting and exceeding industry standards and state testing requirements. TraffiCalm signs are unmatched in durability, accuracy, ease of use and affordability.

**Features:**
- IR remote for configuration and basic programming
- 100% MUTCD compliant
- Built in 30Ah battery pack and AC charging adapter from charging between deployments
- K-band (24.15GHz) radar, range 650+ feet.
- Unlimited tech support and customer service from our USA facility for the life of the sign
- Fast delivery - typically ships within 5 days of order
- 3 year limited warranty

**Package Includes:**
Driver Feedback sign, mounting bracket, installation and user manual.

**Part #: M75-012SE-P00x**
- Economical
- 7-Segment Display
- AC Charger Included
- Easy Installation and multi-site versatility (see pg. 29 for accessory brackets)
- Optimized for 5-35mph roadways

---

**12” Portable Driver Feedback Smart Sign**

The TraffiCalm Street Series of Radar Driver Feedback Smart Signs offers solutions for increasing driver speed awareness and road safety. The bright 12” characters can be seen from up to 600’ away, and help increase driver speed awareness on the neighborhood streets where so many small accidents occur every year. SafetyCalm™ data collection software allows you to gather hard data of traffic patterns and program the sign to help keep streets safer. The 12” Portable Smart sign offers multi-site versatility. Temporarily deploy the lightweight sign to locations of your choice with the ease of our two-bolt mounting system. Individual mounting brackets are available as an accessory, and one is required per location.

TraffiCalm Driver Feedback Signs are manufactured in the USA in an ISO 9001:2008 certified facility, meeting and exceeding industry standards and state testing requirements. TraffiCalm signs are unmatched in durability, accuracy, ease of use and affordability.

**Features:**
- Bluetooth wireless programming
- SafetyCalm™ Configuration and Traffic Data Collection software included free
- Programmable full matrix display allows the sign to display speed numbers as well as messages like ‘SLOW DOWN’.
- 100% MUTCD compliant
- Built in 30Ah battery pack and AC charging adapter from charging between deployments
- K-band (24.15GHz) radar, range 450+ feet.
- Unlimited tech support and customer service from our USA facility for the life of the sign
- Fast delivery - typically ships within 5 days of order
- 3 year limited warranty

**Package Includes:**

**Part #: M75-12DFB-P00x**
- Full Matrix Display
- AC charger included
- Easy installation and multi-site versatility (see pg. 29 for accessory bracket)
- Optimized for 5-35 mph roadways
- Bluetooth wireless communication

---

Part #: M75-012SE-P00x
- Economical
- 7-Segment Display
- AC Charger Included
- Easy Installation and multi-site versatility (see pg. 29 for accessory brackets)
- Optimized for 5-35mph roadways

Part #: M75-12DFB-P00x
- Full Matrix Display
- AC charger included
- Easy installation and multi-site versatility (see pg. 29 for accessory bracket)
- Optimized for 5-35 mph roadways
- Bluetooth wireless communication
**14” Driver Feedback Smart Sign**

The TraffiCalm Roadway Series of Radar Driver Feedback Smart Signs offers solutions for increasing driver speed awareness and road safety. The bright 14” characters can be seen from up to 1,000’ away, and help increase driver speed awareness on the roadways where accidents can be so dangerous. SafetyCalm™ data collection software allows you to gather hard data of traffic patterns and program the sign to help keep roads safer.

TraffiCalm Driver Feedback Signs are manufactured in the USA in an ISO 9001:2008 certified facility, meeting and exceeding industry standards and state testing requirements. TraffiCalm signs are unmatched in durability, accuracy, ease of use and affordability.

**Features:**
- Bluetooth wireless programming
- SafetyCalm™ Configuration and Traffic Data Collection software included free
- Programmable full matrix display allows the sign to display speed numbers as well as messages like ‘SLOW DOWN’.
- 100% MUTCD compliant
- UL/ULC listed for simple and code compliant installation
- 100% MUTC
- Solar or 110V AC ready (power packages sold separately)
- E-band (24.15GHz) radar, range 1,000+ feet.
- Unlimited tech support and customer service from our USA facility for the life of the sign
- Fast delivery- typically ships within 5 days of order
- 3 year limited warranty

**Package Includes:**

**SafetyCalm™**

SafetyCalm™ Configuration and Traffic Data Collection Software allows you to program your sign from your laptop and collect and graphically display traffic data.

---

**Package Contents:**
- **LED and Radar Components:**
  - Speed Display Height: 14” high numbers
  - Text & Emoticon Height: 6” high two lines: "SLOW DOWN" text, 14” high ‘smile’ or ‘sad’ face emoticon
  - YOUR SPEED™ Legend: 5” high highway gothic font (MUTCD compliant)
  - LED, 1/2 Cone Angle: Amber (5900K); 45’Angle 15”; Rated 100,000 hours; 20,000 CDA M2, Auto Dimming employed
  - Amber LED on Activity: 20,000 CDA/SQ meter
  - Sign Legibility: Viewable range: 1,000 feet, legible range: 700 feet
  - Speed Resolution and Range: Min 5 mph, Max 99 mph in 1 mph steps (min 8 kph, max 159 kph in 1.6 kph steps)
  - Radar Specification and Range: K-band (24.15GHz) direct sensing, license free (FCC part 15 compliant), average range at 1,000 feet (plus 400’ or minus 100° depending on vehicle size)

**Materials and Construction:**
- Chassis Size/Total Weight: 30” width x 38” height x 2.75” depth, 46 pounds
- Front Face Sheeting: 3M™ Diamond Grade™, high visibility prismatic, long life protective sheeting
- Sign Face Color: White, fluorescent yellow-green, with additional colors optional
- Sign Mounting Construction: Seated electronics box (ECS) 1/16” thick aluminum enclosure attached to a 1/8” thick mounting plate. The ECS is removable from the chassis as a complete unit.
- Display: 1/4” high impact polycarbonate face with high contrast mask, anti-glare graffiti and sunlight resistant

**Electrical Specifications:**
- Power Options: AC Power Kit
- Power Requirements: 300mW standby, 20W stealth, 5W typical at night (100% traffic), 18W by day (bright sun, 100% traffic) and 45W over-bright (100% traffic, sun on face of display)
- Voltage Requirements: 9V-30VDC, 12VDC Nominal (Battery protection at 11.5VDC and 10.8VDC, startup at 12.3VDC)
- Power Options: AC Power Kit
- Solar kits: 90W recommended with 55W optional
- Battery charger kit
- Operating Temperature: Internal components: -34°C to +74°C/-29°F to +165°F
- Ambient environment: 34°C to +60°C/93°F to 140°F
- Warranties: 3 year limited warranty; Power options: 2 year limited warranty (excluding batteries)

**SafetyCalm™ Configuration and Traffic Data Collection Software:**
- Data Collection: SafetyCalm™ software, license free
- Event Logging with Time Stamp: Event data: 60 days with a circular buffer, applied voltage (VDC), internal temperature (ºC), ambient light (lx), display functional status, traffic status, shock sensor events, parameter events
- Vehicle Data Logging Capacity: Speed Data: 90 days with circular buffer (oldest reading replaced by newest) based on 24/7 operation
- Programmable Display Features: Menu, speed limit, speed limit, over speed, and maximum speed to display
- Display type: blank (stale mode), actual speed, speed limit, flashing digits, steady digits, strobing digits and strobing ‘SLOW DOWN’ text
- Programmable integrated ‘SLOW DOWN’ Message, external beacon control
- Schedules: Repeating daily: 9 events, repeating weekly: 9 events, non-repeating daily: 9 events, (27 events in one 24 hour period, 365 days per year while powered)
- Communications: Bluetooth™ Class 1 connectivity (V2.1 + EDR) min at 30’ (FCC certified), RS232 port
- App for Android™ optional
- System Requirements: Operating system: Windows XP, Windows Vista, Windows 7
- Screen resolution: 1024 x 768 or better
- Communications interfaces: Bluetooth Class 1 or 2 adapters (capabilities: V1.0, V1.2, V2.0, V2.1 + EDC)
- Disk space: 16.5MB minimum

---

**Part #: M71-14DFB-000x**

- Full Matrix Display
- Solar or AC power options
- Optimized for 25-30 mph roadways
- Bluetooth wireless communication

---

**System Requirements:**

Operating environment: Windows XP, Windows Vista, Windows 7

---

**Package Contents:**

- 3 year limited warranty
- Power options: 2 year limited warranty (excluding batteries)

---

**Customer Support:**

Fast delivery- typically ships within 5 days of order

Unlimited tech support and customer service from our USA facility for the life of the sign

---

**K-band (24.15GHz) radar, range 1,000+ feet.**
**15" Driver Feedback Smart Sign**

The TrafficCalm Roadway Series of Radar Driver Feedback Smart Signs offers solutions for increasing driver speed awareness and road safety. The bright 15" characters can be seen from up to 1,000' away, and help increase driver speed awareness on the roadways where accidents can be so dangerous. SafetyCalm™ data collection software allows you to gather hard data of traffic patterns and program the sign to help keep roads safer.

TrafficCalm Driver Feedback Signs are manufactured in the USA in an ISO 9001:2008 certified facility, meeting and exceeding industry standards and state testing requirements. The 15" TrafficCalm Smart Signs are UL/ULC listed for electric code compliance. TrafficCalm signs are unmatched in durability, accuracy, ease of use and affordability.

**Features:**
- Bluetooth wireless programming
- SafetyCalm™ Configuration and Traffic Data Collection software included free
- Work zone version also available (see page 24)
- UL/ULC listed for simple and code compliant installation
- 100% MUTCD compliant
- Solar or 110V AC power (power packages sold separately)
- K-band (24.15GHz) radar, range 600+ feet.
- Unlimited tech support and customer service from our USA facility for the life of the sign
- Fast delivery- typically ships within 5 days of order
- 3 year limited warranty

**Package Includes:**

---

**SafetyCalm™ Configuration and Traffic Data Collection Software**

SafetyCalm™ Configuration and Traffic Data Collection Software allows you to program your sign from your laptop and collect and graphically display traffic data.

---

**Materials and Construction**

- **Chassis Size/Total Weight:** 30” width x 41” height x 3” depth; 36 pounds
- **Front Face Sheeting:** 3M™ Diamond Grade™, high visibility prismatic, long life protective sheeting
- **Sign Face Color:** White, fluorescent yellow-green; with additional colors optional
- **Sign Mounting Construction:** 3/16” thick aluminum brackets and 1/8” face; standard 3’ height bracket configuration; Flat mount brackets optional
- **Display:** Seven-Segment Display (targeted for less than 50MPH applications)
- **LED and Radar Components:**
  - **LED:** Amber (590nM), 1/4-Angle 15°; Rated 100,000 hours; 20,000 CD/M², Auto Dimming employed
  - **Amber LED on Axis Intensity:** 20,000 CD/ Sq meter
  - **Sign Legibility:** Viewable range: 1,000 feet; legible range: 750 feet
  - **Speed Resolution and Range:** K-band (24.15GHz) direct sensing; license free (FCC part 15 compliant); average range at 1,000 feet (plus 400’ or minus 100’ depending on vehicle size)
- **Voltage Requirements:** 9V-30VDC; 12VDC Nominal (Battery protection at 11.5VDC and 10.8VDC; startup at 12.3VDC)
- **Speed Data Logging:** 90 days with circular buffer (oldest reading replaced by newest) based on 24/7 operation
- **Event Logging with Time Stamp:** Event data: 60 days with circular buffer; applied voltage (VDC); internal temperature (°C); ambient light (lux); display functional status; traffic status; shock sensor events; parameter events
- **SafetyCalm™ Configuration and Traffic Data Collection Software:**
  - **License Free:** SafetyCalm™ software, license free
  - **Data Collection:** TrafficCalm Roadway Series of Radar Driver Feedback Smart Signs
  - **Event Logging with Time Stamp:** Event data: 60 days with a circular buffer; applied voltage (VDC); internal temperature (°C); ambient light (lx); display functional status; traffic status; shock sensor events; parameter events
  - **Vehicle Data Logging Capacity:** Speed Data: 90 days with circular buffer (oldest reading replaced by newest) based on 24/7 operation
  - **Programmable Display Features:**
    - Display type: blank (stealth mode); actual speed; speed limit; flashing digits; steady digits; external beacon control
    - **Schedule:** Repeating: daily; repeating weekly; non-repeating; repeating events; 27 events in each 24 hour period; 365 days per year powered
- **Comms:**
  - **Bluetooth™ Class 1 connectivity (V2.1 +EDC)** min at 30’ (FCC certified); RS232 port
  - **App for Android™ Optional**
  - **System Requirements:**
    - Operating system: Windows XP, Windows Vista, Windows 7
    - Screen resolution: 1024 x 768 or better
  - **Communications interfaces:** Bluetooth Class 1 or 2 adaptors (capabilities: V1.0, V1.2, V2.0, V2.1 + EDC)
  - **Disk space:** 16.5MB minimum
18” Driver Feedback Smart Sign

The TraffiCalm Highway Series of Radar Driver Feedback Smart Signs offers solutions for increasing driver speed awareness and road safety. The large, bright 18” characters can be seen from up to 1,500’ away, and help promote traffic safety on the most dangerous roads in the country—highways.

TraffiCalm Driver Feedback Signs are manufactured in the USA in an ISO 9001:2008 certified facility, meeting and exceeding industry standards and state testing requirements. The 18” TraffiCalm Smart Signs are UL/ULC listed for electric code compliance. TraffiCalm signs are unmatched in durability, accuracy, ease of use and affordability.

**Features:**
- Available in 18” and 18” jumbo, and work zone versions. (Jumbo sign has larger sign face)
- Bluetooth remote programming
- SafetyCalm Configuration and Traffic Data Collection software included free
- Programmable full matrix display allows the sign to display speed numbers as well as messages like ‘SLOW DOWN’.
- UL/ULC listed for simple and code compliant installation
- 100% MUTCD compliant
- Solar or 110V AC ready (power packages sold separately)
- K-band (24.15GHz) radar, range 1,000+ feet.
- Unlimited tech support and customer service from our USA facility for the life of the sign
- Fast delivery- typically ships within 5 days of order
- 3 year limited warranty

**Package Includes:**

**SafetyCalm™**
SafetyCalm™ Configuration and Traffic Data Collection Software allows you to program your sign from your laptop and collect and graphically display traffic data.
18" Driver Feedback Jumbo Smart Sign

The TraffiCalm Highway Series of Radar Driver Feedback Smart Signs offers solutions for increasing driver speed awareness and road safety. The large, bright 18” characters can be seen from up to 1,500’ away, and help increase traffic safety on the most dangerous roads in the country-highways. TraffiCalm Driver Feedback Signs are manufactured in the USA in an ISO 9001:2008 certified facility, meeting and exceeding industry standards and state testing requirements. The 18" TraffiCalm Smart Signs are UL/ULC listed for electric code compliance. TraffiCalm signs are unmatched in durability, accuracy, ease of use and affordability.

Features:
- Available also in 18" regular size (Regular 18" sign has smaller sign face) and Work Zone version.
- Bluetooth remote programming
- SafetyCalm Configuration and Traffic Data Collection software included free
- Programmable full matrix display allows the sign to display speed numbers as well as messages like ‘SLOW DOWN’.
- UL/ULC listed for simple and code compliant installation
- 100% MUTCD compliant
- Solar or 110V AC ready (power packages sold separately)
- K-band (24.15GHz) radar, range 1,000+ feet.
- Unlimited tech support and customer service from our USA facility for the life of the sign
- Fast delivery- typically ships within 5 days of order
- 3 year limited warranty

Package Includes:

SafetyCalm™ SafetyCalm™ Configuration and Traffic Data Collection Software allows you to program your sign from your laptop and collect and graphically display traffic data.

Specifications

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specifications</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>LED and Radar Components</strong></td>
<td></td>
</tr>
<tr>
<td>Speed Display Height</td>
<td>18” high numbers, highway gothic 8E font</td>
</tr>
<tr>
<td>Text &amp; Emotion Height</td>
<td>8” high two lines “SLOW DOWN” text, 18” high ‘smile’ or ‘sad’ face emotion</td>
</tr>
<tr>
<td>&quot;YOUR SPEED&quot; Legend</td>
<td>6” high highway gothic font (MUTCD compliant)</td>
</tr>
<tr>
<td>LED, 1/2 Cone Angle</td>
<td>Amber (900mW); 1/4° angle 13°; Rated 100,000 hours; 20,000 CDA M2, Auto Dimming employed</td>
</tr>
<tr>
<td>Amber LED on Axis Intensity</td>
<td>20,000 CDA/Sq meter</td>
</tr>
<tr>
<td>Sign Legibility</td>
<td>Viewable range: 1,500 feet, legible range: 1,000 feet</td>
</tr>
<tr>
<td>Speed Resolution and Range</td>
<td>Min 5 mph, Max 140 mph in 1 mph steps (min 8 kph, max 225 kph in 1.6 kph steps)</td>
</tr>
<tr>
<td>Radar Specification and Range</td>
<td>K-band (24.15GHz) direct sensing, license free (FCC part 15 compliant), average range at 1,000 feet (depending on vehicle size)</td>
</tr>
</tbody>
</table>

Materials and Construction

| Chassis Size/Total Weight with Electronics box | 36” width x 48” height x 2.75” depth, 56 pounds |
| Front Face Sheeting | 3M™ Diamond Grade™, high visibility prismatic, long |
| Sign Face Color | White, fluorescent yellow, green, fluorescent orange with additional colors optional |
| Sign Mounting Construction | 3/16” thick aluminum brackets and 1/8” face, standard 3” tilt bracket configuration, Flat mount brackets optional |
| Vandal Resistant Construction | Enclosed electronics box (ECS) 1/10” thick aluminum enclosure attached to a 1/8” thick mounting plate. The ECS is removable from the chassis as a complete unit |
| 1/4” high impact polycarbonate face with high contrast mask, anti-glares graffiti and sunlight resistant |
| Provisions for padlocking in place are provided |
| Standard DOT powder coat green color with additional colors optional |
| Electronics Enclosure Rating | Weatherproof, NIEMA 3R |

Electrical Specifications

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specifications</th>
</tr>
</thead>
<tbody>
<tr>
<td>Power Requirements</td>
<td>300W standby, 2W threat, 8W typical at night (100% traffic), 30W by day (daylight sun, 100% traffic) and 70W overnight (100% traffic, sun on face of display)</td>
</tr>
<tr>
<td>Voltage Requirements</td>
<td>9v - 30VDC, 12VDC Nominal, (Battery protection at 11.5VDC and 10.8VDC, startup at 12.3VDC)</td>
</tr>
<tr>
<td>Power Options</td>
<td>AC power kit</td>
</tr>
<tr>
<td>Solar kit</td>
<td>130W recommended with 90W optional</td>
</tr>
<tr>
<td>Battery charger kit</td>
<td></td>
</tr>
<tr>
<td>Operating Temperature</td>
<td>Internal components: 34°C to 74°C 29°F to 165°F, Ambient Environment: 34°C to 60°C 29°F to 140°F</td>
</tr>
<tr>
<td>Warranties</td>
<td>Sign: 3 years, Options/accessories: 2 years, excluding batteries</td>
</tr>
</tbody>
</table>

SafetyCalm™ Configuration and Traffic Data Collection Software

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specifications</th>
</tr>
</thead>
<tbody>
<tr>
<td>Data Collection</td>
<td>SafetyCalm™ software, license free</td>
</tr>
<tr>
<td>Event Logging with Time Stamp</td>
<td>Event data: 60 days with a circular buffer, applied voltage (VDC), internal temperature (°C), ambient light (lux), display functional status, traffic status, shock sensor events, parameter/events</td>
</tr>
<tr>
<td>Vehicle Data Logging Capacity</td>
<td>Speed Data: 90 days with circular buffer (oldest reading replaced by latest) based on 24/7 operation</td>
</tr>
<tr>
<td>Programmable Display Features</td>
<td>Mn. speed limit, speed limit, over speed, and maximum speed to display</td>
</tr>
<tr>
<td>Display type: blank (stealth mode), actual speed, speed limit, flashing digits, steady digits, strobing digits and strobing &quot;SLOW DOWN&quot; text</td>
<td></td>
</tr>
<tr>
<td>Programmable integrated &quot;SLOW DOWN&quot; Message, external beacon control</td>
<td></td>
</tr>
<tr>
<td>Schedules</td>
<td>Repeating daily: 9 events, repeating weekly: 9 events, non-repeating daily: 9 events, (27 events in one 24 hour period, 365 days per year while powered)</td>
</tr>
<tr>
<td>Communications</td>
<td>Bluetooth™ Class 1 connectivity (V2.1 + EDC) min at 30′ (FCC certified), RS232 port</td>
</tr>
<tr>
<td>App for Android™ Optional</td>
<td></td>
</tr>
<tr>
<td>System Requirements</td>
<td>Operating system: Windows XP, Windows Vista, Windows 7</td>
</tr>
<tr>
<td>Screen resolution: 1024 x 768 or better</td>
<td></td>
</tr>
<tr>
<td>Communications interfaces: Bluetooth Class 1 or 2 adapters (capabilities: V1.0, V1.2, V2.0, V2.1 + EDC)</td>
<td></td>
</tr>
<tr>
<td>Disk space: 16.5MB minimum</td>
<td></td>
</tr>
</tbody>
</table>
**15” Work Zone Driver Feedback Smart Sign**

The TraffiCalm Work Zone Series of Radar Driver Feedback Smart Signs offers solutions for increasing driver speed awareness and road safety in the extremely dangerous arena of construction zones. The bright 15” characters can be seen from up to 1,000’ away, and help increase driver speed awareness and which better protects road construction workers. SafetyCalm™ data collection software allows you to gather hard data of traffic patterns and program the sign to help keep roads safer.

TrafficCalm Driver Feedback Signs are manufactured in the USA in an ISO 9001:2008 certified facility, meeting and exceeding industry standards and state testing requirements. The 15” TraffiCalm Smart Signs are UL/ULC listed for electric code compliance. TrafficCalm signs are unmatched in durability, accuracy, ease of use and affordability.

**Features:**
- Bluetooth wireless programming
- SafetyCalm™ Configuration and Traffic Data Collection software included free
- UL/ULC listed for simple and code compliant installation
- 100% MUTCD compliant
- Solar or 110V AC ready (power packages sold separately)
- K-band (24.15GHz) radar, range 1,000+ feet.
- Fast delivery—typically ships within 5 days of order
- 3 year limited warranty

**Package Includes:**

---

**SafetyCalm™**

SafetyCalm™ Configuration and Traffic Data Collection Software allows you to program your sign from your laptop and collect and graphically display traffic data.

---

**18” Work Zone Driver Feedback Smart Sign**

The TraffiCalm Work Zone Series of Radar Driver Feedback Smart Signs offers solutions for increasing driver speed awareness and road safety in the extremely dangerous arena of construction zones. The bright 18” characters can be seen from up to 1,000’ away, and help increase driver speed awareness and which better protects road construction workers. SafetyCalm™ data collection software allows you to gather hard data of traffic patterns and program the sign to help keep roads safer.

TrafficCalm Driver Feedback Signs are manufactured in the USA in an ISO 9001:2008 certified facility, meeting and exceeding industry standards and state testing requirements. The 18” TraffiCalm Smart Signs are UL/ULC listed for electric code compliance. TrafficCalm signs are unmatched in durability, accuracy, ease of use and affordability.

**Features:**
- Available also in 18” jumbo size. (Jumbo 18” sign has larger sign face)
- Bluetooth remote programming
- SafetyCalm Configuration and Traffic Data Collection software included free
- Programmable full matrix display allows the sign to display speed numbers as well as messages like “SLOW DOWN”.
- UL/ULC listed for simple and code compliant installation
- 100% MUTCD compliant
- Solar or 110V AC ready (power packages sold separately)
- K-band (24.15GHz) radar, range 1,000+ feet.
- Unlimited tech support and customer service from our USA facility for the life of the sign
- Fast delivery—typically ships within 5 days of order
- 3 year limited warranty

**Package Includes:**
**Driver Feedback Sign Display Trailer**

TraffiCalm’s Driver Feedback (DFB) signs are an effective tool in decreasing speeds in urban communities, on highways, in school zones, construction sites or special events. Now, with TraffiCalm’s new display trailer, traffic calming is even easier. A portable sign operating on solar power or batteries can be moved from place to place, collecting data about traffic that can be downloaded through a wireless Bluetooth connection. The trailer allows for DFB’s to be quickly and easily deployed wherever needed.

**Features:**

- Quick and easy setup
- For use with any of TraffiCalm’s Driver Feedback or Variable Speed Limit Signs (sign ordered separately)
- Meets DOT regulations & requirements for safety and road worthiness
- Provisions for batteries up to 350AH.
- Provision for a solar panel mount
- Controls are provided to operate the connections to the solar panel and sign
- Powder coated in white or work zone orange (optional colors available)
- Provided with a cushioned battery mount to reduce vibration and shock to the battery.
- Four stabilizers that drop to grade and are secured by pins providing added stability, securing the sign even in high winds
- Collapsible hitch beam, interconnecting cables and wires routed through the frame or in conduit to protect against vandalism or theft
- Made in the USA

**Specifications:**

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specifications</th>
</tr>
</thead>
<tbody>
<tr>
<td>Weight</td>
<td>390 Lbs. with 240AH Batteries</td>
</tr>
<tr>
<td>Size</td>
<td>Folded and ready for travel 72” wide x 84” long (103” with tongue extended) x 46 Tall. Erected 100” Tall</td>
</tr>
<tr>
<td>Tire Size</td>
<td>14”</td>
</tr>
<tr>
<td>Color</td>
<td>Powder coated white or work zone orange (optional colors available)</td>
</tr>
</tbody>
</table>

**Materials and Construction**

- Basic Features: Brake lights and turn signals are provided. Metal fenders strong enough to stand on (250 lbs.). Powder coat finish provides resistance to corrosion. Tongue is properly sized to ensure easy towing using a 2” ball. Battery Voltage Indicator.
- Controls: Control panel provided to operate the connections to the solar panel and sign.
- Safety/Security: Meets DOT regulations & requirements for safety and road worthiness. Safety chains. Ball hitch system is stowed & secured when not towing. Hitch beam collapses into trailer body.
- Stabilizers: Provided with 4 hand-crank stabilizers that drop to the level of grade & are secured by pins. Slow in fully retracted position secured by pins for travel.

**Electrical Specifications**

- Batteries: Includes 3 Group 24 AGM batteries wired in parallel for a nominal 12VDC. Each battery is individually fused. Negative terminal of each battery is electrically common to the trailer chassis. Cushioned battery mount to reduce vibration and shock felt by the battery.
- Charging System: 120 Volt primary, 46 Amp 12 VDC secondary on-board charging system. Housed in weatherproof chamber separate from battery compartment. Sealed from air movement with provisions for thermal transfer, moisture control & drainage.
- Solar: 130 Watt Solar Panel. Solar panel is deployed to a position higher than the sign. Solar panel sits flat over the sign, level with trailer such that it still has skyward exposure. 20 Amp Solar charge control device provided (14.4V regulation temperature compensating).
- Wiring: Wire is properly sized, rated 90°C min. for wet locations & sunlight resistant. All interconnecting cables & wires are routed through the frame or in conduit for protection.

TraffiCalm product descriptions and specifications are subject to change without notice. All Rights Reserved.
SafetyCalm™ Smart Sign Configuration and Data Collection Software

TraffiCalm’s simple but powerful sign configuration software is included free with every Smart Sign. SafetyCalm is a feature rich sign configuration and data collection suite, built into an intuitive, efficient interface. This easy-to-use and license free program is menu driven and comes with a pre-programmed and automatically generated set of reports that provide TraffiCalm Smart Sign owners with an uncomplicated view of speed data statistics. These statistics include average speed, highest and lowest speed summaries, number of speeders by the hour and day and the option to download raw data for additional comparative analysis.

Bluetooth communication allows for convenient sign programming and traffic data collection using a laptop or Android™ device from up to 300 feet away.

Features:
- Free upgrades for the life of the sign, no annual fees or registration fees
- Easily program the sign’s speed thresholds, display modes, beacon output, radar sensitivity and even display brightness.
- Ability to schedule the sign display to change by time of day or days of the week.
- Able to program the sign for “Stealth” mode, whereby the sign display is blank, but all traffic data continues to be collected.
- Android version of SafetyCalm software also available (see www.trafficalmsgystems.com)
- Able to program words like “Slow Down” or even emoticons on full matrix displays
- Exhaustive, searchable help files built in to the software
- Unlimited tech support from the customer service team at our USA facility

SafetyCalm easily creates graphic charts and visual displays of traffic data according to date and time input. These charts can also be saved and exported for analysis and/or presentations.

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specifications</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sign Configuration and Programming</td>
<td></td>
</tr>
<tr>
<td>Configuration Interface</td>
<td>Easy to use, select speed thresholds, display modes, feedback characteristics, beacon output, radar sensitivity, and display brightness.</td>
</tr>
<tr>
<td>Programmable Display Features</td>
<td>Min. speed limit, speed limit, over speed, and maximum speed to display</td>
</tr>
<tr>
<td></td>
<td>Display type: blank (stealth mode), actual speed, speed limit, flashing digits, steady digits, strobing digits and strobing “SLOW DOWN” text</td>
</tr>
<tr>
<td></td>
<td>Programmable integrated “SLOW DOWN” Message, external beacon control</td>
</tr>
<tr>
<td>Multiple-sign Management</td>
<td>Save and implement configurations and schedules. User definable, unique sign location saved in file names and displayed on log-in</td>
</tr>
<tr>
<td>Password Protection</td>
<td>Administrator defined passwords and privilege levels</td>
</tr>
<tr>
<td>Diagnostics</td>
<td>Current sensor and error reporting from sign displayed and saved to history</td>
</tr>
<tr>
<td>Maintenance</td>
<td>Self-test, Set radar baseline, Stream radar readings, reset logs, update firmware</td>
</tr>
<tr>
<td>Support</td>
<td>Exhaustive, searchable help file. Phone support and online training available</td>
</tr>
<tr>
<td>Traffic Data Collection and Reporting</td>
<td></td>
</tr>
<tr>
<td>Speed Log Reporting</td>
<td>Industry-standard data reporting, highest and lowest speed summaries, speed distribution chart, speeding vehicles by percent and volume, average speed, and 85th percentile report</td>
</tr>
<tr>
<td>Event Logging with Time Stamp</td>
<td>Event data: 60 days with a circular buffer, applied voltage (VDC), internal temperature (°C), ambient light (lux), display functional status, traffic status, shock sensor events, parameter events</td>
</tr>
<tr>
<td>Vehicle Data Logging Capacity</td>
<td>Speed Data: 90 days with circular buffer (oldest reading replaced by newest) based on 24/7 operation</td>
</tr>
<tr>
<td>General Specifications</td>
<td></td>
</tr>
<tr>
<td>Communications</td>
<td>Bluetooth™ Class 1 connectivity (V2.1 +EDC) min at 30' (FCC certified), RS232 port</td>
</tr>
<tr>
<td></td>
<td>App for Android available</td>
</tr>
<tr>
<td>System Requirements</td>
<td>Operating system: Windows XP, Windows Vista, Windows 7</td>
</tr>
<tr>
<td></td>
<td>Screen resolution: 1024 x 768 or better</td>
</tr>
<tr>
<td></td>
<td>Communications interfaces: Bluetooth Class 1 or 2 adapters (capabilities: V1.0, V1.2, V2.0, V2.1 + EDC)</td>
</tr>
<tr>
<td></td>
<td>Disk space: 16.5MB minimum</td>
</tr>
</tbody>
</table>

TraffiCalm product descriptions and specifications are subject to change without notice. All Rights Reserved.
Scalable Dynamic Message System

TraffiCalm’s Scalable Dynamic Message System™ is an effective tool in increasing safety for communicating critical information to drivers. Made to adapt to a wide variety of roadways and installation requirements, the SDMS is ready to suit your application. On the fly programming is quick and painless through a Bluetooth link via your laptop, mobile device or remote.

Features:
- Features high output amber 15 degree LED pixels
- Scalable to display dynamic text and graphics
- Operates on 12 Volts DC
- Many pre-programmed common messages selectable through your mobile or PC device, or remote controller
- Powder coated black NEMA 3R cabinet
- Highway Gothic Font
- Made in the USA

Power Options
Solar Kits: The most economical & environmentally friendly power option.
- 60W Solar Kit with 1 battery (AGM lead acid 12V 35AH) mounting bracket, battery box with charge controller, and conduit/wiring. (part no. M75-SOLAR-000C)
- 85W Solar Kit with 2 batteries (AGM lead acid 12V 35AH) mounting bracket, battery box with charge controller, and conduit/wiring. (part no. M75-SOLAR-000S)
- 130W Solar Kit with 4 batteries (AGM lead acid 12V 35AH) mounting bracket, battery box with charge controller, and conduit/wiring. (part no. M75-SOLAR-000C)

AC Power Module: For use when 120V AC line power is readily available.

Battery Charger Kit: For use with “block lit” street light power where power is only on at night. Sign draws on the battery during the day, and then charges from the street light power during the night. Special Note: Not for use with photo cell operated street lights.

Battery Box: For use in portable short-term applications (includes batteries).

Other Accessories
Cables: Connect internally to sign to allow wired communication with PC equipped with SafetyCalm software.
- RS-232 communication cable for Smart signs. Requires USB adapter for use on PC with no RS-232 port.
- RS-232 communication cable for 15” Smart Sign. Requires PC with RS-232 port

Brackets: Pole-side brackets for expanded, multi-site mobility; 2-bolt design makes removal and installation quick and easy.
- 9” Smart Sign bracket (015-02331-0000)
- 9” Value and Portable Sign bracket (015-02985-0000)
- 12” Sign bracket (015-02991-0000)

SafetyCalm Android App: Feature-rich mobile complement to the SafetyCalm software. Capabilities include fully-featured configuration interface, schedule uploading, speed log downloading, and more. Compatible with Android devices, including tablets.
### Value Signs vs. Smart Signs

**Value Signs**
Designed as a “turn-key” driver feedback sign, TraffiCalm Value Signs provides driver feedback and traffic calming functionality without the additional cost of data collection capability and the more advanced display which TraffiCalm Smart Signs include. Solar package is included along with IR remote programming.

**Smart Signs**
TraffiCalm Smart Signs provide a wide array of options for data collection and customization. Full matrix programmable display allows for graphics or alternate messages along with clean, readable numbers. Powerful SafetyCalm™ traffic data collection software is included at no additional cost.

---

### Features

<table>
<thead>
<tr>
<th>STREET &amp; PORTABLE</th>
<th>ROADWAY</th>
<th>HIGHWAY</th>
<th>WORK ZONE</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Features</strong></td>
<td>9” Value Sign</td>
<td>9” Smart Sign</td>
<td>12” Value Sign</td>
</tr>
<tr>
<td><strong>Optimal Road Speed</strong></td>
<td>18”w x 24”h 22.7 lbs</td>
<td>18”w x 24”h x 1 7/8”d 10 lbs</td>
<td>24”w x 30”h x 3”d 30 lbs</td>
</tr>
<tr>
<td><strong>Housing Dimensions</strong></td>
<td>180”w x 24”h 22.7 lbs</td>
<td>18”w x 24”h x 1 7/8”d 10 lbs</td>
<td>24”w x 30”h x 3”d 30 lbs</td>
</tr>
<tr>
<td><strong>LED Display</strong></td>
<td>88 SLOW DOWN</td>
<td>88 SLOW DOWN</td>
<td>88 SLOW DOWN</td>
</tr>
<tr>
<td><strong>Sign Legibility Distance</strong></td>
<td>450 ft</td>
<td>450 ft</td>
<td>600 ft</td>
</tr>
<tr>
<td><strong>Programming input</strong></td>
<td>IR Remote 30’ range</td>
<td>Bluetooth 300’ range</td>
<td>Bluetooth 300’ range</td>
</tr>
<tr>
<td><strong>Capable of Collecting Traffic Data</strong> (SafetyCalm software included)</td>
<td>•</td>
<td>•</td>
<td>•</td>
</tr>
<tr>
<td><strong>External output port</strong> (to control beacons, cameras, etc)</td>
<td>•</td>
<td>also RS-232 port</td>
<td>also RS-232 port</td>
</tr>
<tr>
<td><strong>Programmable Integrated Strobe</strong></td>
<td>•</td>
<td>•</td>
<td>•</td>
</tr>
<tr>
<td><strong>Stealth Mode</strong> (for collecting data when LEDs are off)</td>
<td>•</td>
<td>•</td>
<td>•</td>
</tr>
<tr>
<td><strong>Modular Design for Easy Service</strong></td>
<td>•</td>
<td>•</td>
<td>•</td>
</tr>
</tbody>
</table>

---

* Android is a trademark of Google, Inc. TraffiCalm product descriptions and specifications are subject to change without notice. All Rights Reserved. * Note: Solar package is not included with Portable Value Signs.