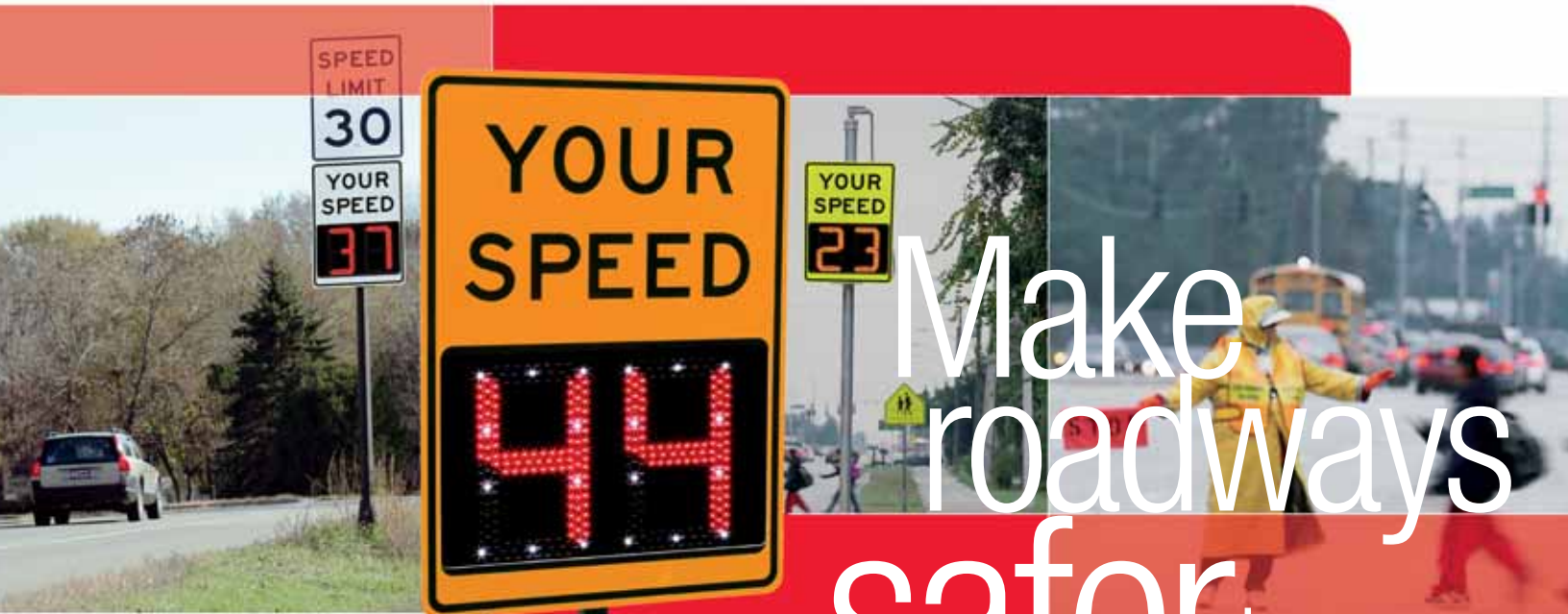


3M™ Driver Feedback Signs



Make
roadways
safer by
reducing driving speeds

- Proven traffic calming device
- Attention-grabbing display
- Two sign sizes for urban and highway speeds
- Modular electronics control system
- Lightweight and easy to install

3M

Features

3M™ Driver Feedback Signs are dynamic signs that advise drivers of their speed and encourage speed limit compliance to help improve safety. Built-in radar speed detection combines with an attention-grabbing display to produce an effective traffic calming tool.

3M's new driver feedback sign is lightweight and easy to install, robust and reliable, highly visible, and has been designed in harmony with MUTCD R2-1 sign specifications. The sign's unique design consists of a modular electronic control system that can easily be removed from the sign for simplified installation and repair. The sign displays speeds of approaching vehicles in a variety of programmable options using amber or red numerals and integrated white strobe LEDs.

3M signs are available in two sizes—a 30 by 41-inch sign for use in urban areas and a 48 by 60-inch sign for highway speed applications. Both are designed to alert motorists and reduce speeds in high-risk areas such as:

- Speed transition zones
- Pedestrian crossings
- School zones
- Dangerous curves
- Parks and recreational areas
- Work zones
- Collector arterials
- Senior centers, hospitals
- Corporate campuses

Other important features include:

- Sign faces made from optimal performance full-cube prismatic reflective sheeting
- Choice of sign face colors including white, fluorescent yellow-green, fluorescent orange or yellow
- AC and solar power options
- User-friendly programming software with Blue Tooth wireless communication
- Photocell controlled brightness for excellent visibility in all lighting conditions
- NEMA 3R enclosed electronic control system with high impact polycarbonate face
- Programmable display speed thresholds, display modes and operation schedules
- Speed data collection

Lightweight, modular "one-piece" electronics control system helps make 3M's new driver feedback sign easy to install and repair.

For more information about how 3M can help you measure and increase roadway safety or for a 3M driver feedback sign demonstration, contact your 3M sales representative or 3M customer service at 1-800-553-1380, or visit our web site at www.3M.com/tss.



Specifications	Urban Sign (30 X 41 inches)	Highway Sign (48 X 60 inches)
Applications	For speeds under 50 MPH	For speeds over 50 MPH
LEDs (Light Emitting Diodes) 1/2 cone angle	30°	
Amber LED intensity @ 30°	10,000 CDA/Square Meter	
Red LED intensity @ 30°	8000 CDA/Square Meter	
Display height	15 inches	22 inches
Front face reflective sheeting	Full cubed prismatic, ASTM Type XI	
Front face color options	White, fluorescent yellow-green, fluorescent orange, yellow	
"YOUR SPEED" Legend	5 inch high Series E letters	8 inch high Series E letters
Photocell controlled brightness	Automatic brightness control for excellent visibility in all lighting conditions	
Cabinet dimensions	30 inches wide by 41 inches high by 3 inches deep	48 inches wide by 60 inches high by 4 inches deep
Construction	Sealed Electronics Control System (ECS) with high impact polycarbonate face. Removable ECS slides into sign chassis when retainer bar is removed. Retainer bar is lockable with user supplied lock.	
Weight	36 pounds	90 pounds
Operating temperature	Minus -34 degrees C to +74 degrees C	
Electronics Enclosure	The ECS enclosure meets NEMA 3R for environmental protection.	
Real Time Display	The display updates once per second to provide dynamic feedback to the driver.	
Programmable display speed thresholds	Minimum display speed - no speeds displayed below this threshold to limit non-vehicle signals Speed limit - set at posted speed limit to alert drivers that they are over the speed limit Excessive speed - typically set at 5 to 10 MPH over the speed limit for additional attention getting Maximum display speed - no speeds displayed above this threshold to limit drivers racing the speed display	
Programmable display modes	Amber numerals Amber flashing numerals Amber flashing numerals with synchronized built-in white strobe Red numerals Red flashing numeral Red flashing numerals with synchronized built-in white strobe	
Radar	K-band (24.150 GHz ± 100 MHz) license free	
Sign configuration and speed data collection software	Program sign parameters including speed thresholds, display modes and schedule on times. Download speed data and sign event data. Software included with sign.	
DFS reporter	Excel™ software-based macro formats speed data into charts for analysis. Software included with sign	
Communication	Standard: Blue Tooth wireless up to 30 feet from sign (19.2 K-baud)	
Power Requirements	12VDC nominal (10.5V – 16V, MAX: 24V) 54W maximum 15W day typical 6W night typical Typical Daily Average (24 hour operation): 216 WH/Day Stealth Mode (logging information, but no display): 2W Standby (schedule off): 0.5W	12VDC nominal (10.5V – 16V, MAX: 24V) 115W maximum 30W day typical 11W night typical Typical Daily Average (24 hour operation): 432 WH/Day Stealth Mode (logging information, no display): 2W Standby (schedule off): 0.5W
Power Options	AC Power Module Solar Kit (128 watt solar pannels) Battery Charger Kit A (AC input: 190, 208, 220, 240, 380, 416, 440, 480 VAC) Battery Charger Kit B (AC input: 120, 208, 240, 277 VAC)	

Driver Feedback Sign Models	Stock Number
Urban Driver Feedback Sign (30" X 41") 15" high speed display Available in: White Fluorescent Yellow-Green Fluorescent Orange Yellow	75-0301-6563-5 75-0301-6564-3 75-0301-6565-0 75-0301-6665-8
Highway Driver Feedback Sign (48" X 60") 22" high speed display Available in: White Fluorescent Yellow-Green Fluorescent Orange Yellow	75-0301-6569-2 75-0301-6570-0 75-0301-6572-6 75-0301-6666-6
Driver Feedback Sign Power Options	Stock Number
AC Power Module	75-0301-6576-7
DC Solar Kit	75-0301-6578-3
DC Battery Charger Kit A	75-0301-6579-1
DC Battery Charger Kit B	75-0301-6580-9

Configuration and Data Collection Software

With 3M's Bluetooth-enabled software, users can easily configure the display (amber or red speed display, white strobe), schedule on/off operation times, and download speed data from the sign. Speed data is analyzed using the 3M™ DFS Reporter Macro.



Warranty Statement 3M warrants that 3M™ Driver Feedback Signs sold by 3M to be used as traffic safety and management devices in the United States will be free of defect in materials and workmanship for a period of two years beginning on the day the end user receives the product. If a 3M driver feedback sign installed, operated and maintained in accordance with the manufacturer's instructions and recommendations (available upon request) is ineffective for its intended purpose due to defects in materials or workmanship, 3M's sole responsibility and purchaser's and user's exclusive remedy shall be 3M will furnish replacements for defective parts. Customer is to call 1-800-553-1380, and press option 4, then option 5 for warranty claims. Failure must be solely the result of design or manufacturing defects in the 3M driver feedback sign and not of outside causes such as: accidents, vandalism, impact with a foreign object, acts of God, product modifications made by someone not authorized by 3M, failure of Customer to follow 3M's published operating instructions, failure to follow 3M's published site selection and installation instructions, removal or relocation of the unit, electrical work external to the unit, virus/hacker activity, and external computer errors. This warranty excludes batteries. Replacement parts will carry the unexpired warranty of the parts they replace. Claims made under this warranty will be honored only if 3M is notified of a failure within the warranty period, reasonable information requested by 3M is provided, and 3M is permitted to verify the cause of the failure. 3M may require the return of certain parts or assemblies upon receipt of replacements. 3M's liability under this warranty is limited to replacement parts as stated herein, and 3M assumes no liability for any incidental or consequential damages, in any way related to the product regardless of the legal theory on which the claim is based.

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