DF15 - Driver Feedback Sign

Educating drivers of their speeds with an escalating warning message to change driver behavior and improve road safety for all users

The Solution to Speed Reduction

The MUTCD compliant DF15 unit employs FCC compliant microwave Doppler radar to detect vehicle approach speeds.

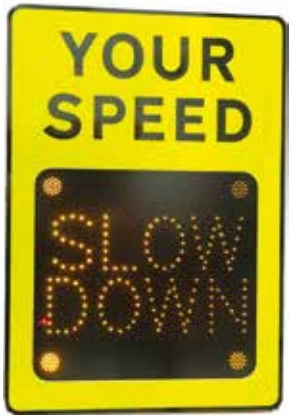
Targeted drivers are informed of their speed with a 15 inch character high intensity LED speed readout. The feedback message can be programmed to escalate in line with detected speed by introducing flashing beacons and Slow Down warning message.

The DF15 driver feedback sign series are to be used in tandem with existing static regulatory signage being deployed downstream as a targeted reminder and are not to be used as a replacement for the static signage.

Features

- Fully configurable escalating display warning modes
- Dynamic flashing beacons, alternating top and bottom
- Reflective fascias available in DG or HIP in yellow, yellow green and white
- Plug and play install (all cables, brackets provided)
- 50% power saving mode to allow 24/7/365 solar operation in most applications
- Data logging software can prove the effectiveness of the sign through the analysis of vehicle and speed data
- Automated School Calendar scheduled operation

Drivers are informed of their speed and if excessive speed is detected the warning message escalates to include Slow Down message and flashing corner beacons to emphasize the requirement for the driver to reduce speed.



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Technical Specifications

Model Reference	DF15 YU fluorescent yellow (U Channel mounting) part code DF15A----LDPC-P (D26.26140)
	DF15 YGU fluorescent yellow green (U channel mounting) part code DF15B----LDPC-P (D26.26140)
	DF15 WU white background (U channel mounting) part code DF15C----LDPC-P (D26.26140)
	DF15 YZ fluorescent yellow (Z bracket mounting) part code DF15A----LDPC-P (D26.26139)
	DF15 YGZ fluorescent yellow green (Z bracket mounting) part code DF15B----LDPC-P (D26.26139)
	DF15 WZ white background (Z bracket mounting) part code DF15C----LDPC-P (D26.26139)
Display Technology	ITE color tested high intensity amber LED display clearly visible in all daylight conditions at up to 600 feet. Auto Luminosity control to suit ambient light conditions.
Display Format	Amber LED display, Speed numerals in 15" high characters, with overlaid SLOW DOWN and SLOW ICE Message, enhanced further by dynamic amber flashing beacon pairs top and bottom of display. Slow Down/Slow Ice text height 6". Beacon size 2" diameter. Reflective YOUR SPEED fascia in 5" character height.
Vehicle Detection	FCC compliant K band radar microwave vehicle detector integrated into the sign, factory preset range of 600 feet / 182 metres, Speed range of 5 to 150mph (8 to 240 kmh). 12 degree beam accuracy +/-1 unit of measure. Simple set up.
Model Dimensions	46.6" (1186 mm) high x 32.6" (828mm) wide including reflective front fascia. Rear case 6.4"(162mm) deep.
Model Weights	66 lbs (30.5Kg) (plus battery reservoir).
Power Supply	Display is available in either AC 110V or Solar DC or dual power compatible. In the case of solar power a separate solar kit should be ordered for each sign comprising panel, side of pole mount and battery reservoir which is mounted internal to sign. Important for optimum operation, solar panel must be facing due south and have clear unobstructed view of sky with no shadowing. Optionally the sign may be fitted with hybrid charger to allow hook up to 110V AC night time street lighting supply in locations where solar power alone is insufficient to power the unit 24/7/365.
Sign Configuration	Configuration of sign is via custom windows based software over Bluetooth™ wireless connection from client supplied Laptop or Netbook. Configuration parameters include 4 activation speed trigger levels to allow warning message to be escalated to suit detected speed and scheduled time of day operation to suit school zone applications.
Data Logging and Analysis Software	Datalogger windows based software is available to download date and time stamped traffic speed data from sign over Bluetooth™ for evaluation analysis in Excel.
Scheduling	VAMP© windows based scheduler software is available to create schedules for upload to the sign, enabling automated operation in accordance with the time of day posted speed limits in your school zone. Operator can schedule 10 different switching intervals per day and 40 exception periods per year.
Case	Purpose fabricated lightweight aluminium vandal resistant NEMA Type 3S ingress rated enclosure.
Finish	Matt black front face Aircraft Grey rear powder coat finish or color to suit, 60 micron min thickness. YOUR SPEED front plate available in black text on reflective background, color to suit application.
Window	¼" (5mm) anti reflective Polycarbonate.
Operating Temp Range	-30 to 165°F, 95% non condensing.
Mechanical Interface	Two mounting options are available: **1.** Sign will be supplied equipped with sign fix U channel supports on rear and SX0220 channel banding interface brackets to allow ¾" band mounting to a variety of support posts. **2.** Sign will be equipped with horizontal Z bracket mountings on rear which are then drilled to suit post by installer and sign is then clamp mounted by stainless steel U bolts (Not supplied). Solar Panel equipment is supplied with side pole mount to allow ½" banding.
Electrical Interface	Cable kits are supplied to facilitate plug and play connection to solar panel and sign. Sign is also equipped on rear with naked AC socket Type 3S connection and separate ¾" knock out for conduit cable entry. Dust caps are supplied to protect any unused sockets. Internal power connections are screw terminal.

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