

# DF15

## DRIVER FEEDBACK SIGN

Escalate warning message from speed feedback display to slow down utilizing dynamic beacons to enhance message.



DF15 deployed in its stealth form (without front fascia) will blend into the background, only being seen when activated giving the biggest impact for the long term. Data can also be recorded in stealth mode to achieve a baseline of road speeds.



DF15 comes equipped with a removable 'YOUR SPEED' reflective sign face plate to create a traditional format of driver feedback display with YOUR SPEED in black on fluorescent yellow, fluorescent yellow green or white diamond grade reflective background.

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 display and by using a configuration programme the DF15 can escalate the warning provided in direct relation to the speed it detects. 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.

DF15 comes supplied with two mounting options. Signfix U channel complete with slide in universal clamping brackets to allow band mounting to a variety of post types and sizes, or Z bracket mounting channels fitted to rear of sign which client drills to suit and clamps with U bolt. All signs supplied with plug and play cabling to allow solar hook up.



- Fully configurable escalating display warning modes
- Dynamic flashing beacons, alternating top and bottom
- SLOW ICE warning activated by external temperature
- Plug and play install (all cables, brackets provided)
- 50% power saving mode to allow 24/7/365 solar operation in most applications

# DF15

## Specifications

<b>Model Reference</b>	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
<b>Display Technology</b>	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.
<b>Display Format</b>	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. Fixed YOUR SPEED on reflective front plate 5" text height.
<b>Vehicle Detection</b>	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.
<b>Model Dimensions (Approx)</b>	46.6" (1186 mm) high x 32.6" (828mm) wide including reflective front fascia. Rear case 6.4"(162mm) deep.
<b>Model Weights</b>	66 lbs (30.5Kg) (plus battery reservoir).
<b>Power Supply</b>	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.
<b>Sign Configuration</b>	Set up of sign operating parameters is via a Bluetooth enabled netbook or hand held PDA, program allows configuration of trigger speeds and warning messages to suit. The Slow Ice message can be set to trigger when external temperature is detected at below freezing point. Temperature is configurable via PDA, and may be disabled when not required.
<b>Data logging and Analysis Software</b>	Dorman's unique data logging software interfaces to the sign via Bluetooth™ connection with a netbook or hand held PDA. Software records date, time and speed of oncoming vehicles. Information can be remotely downloaded into Excel for analysis. Standard memory provides for 11 Million vehicle data entries.
<b>Case</b>	Purpose fabricated lightweight aluminium vandal resistant NEMA Type 3S ingress rated enclosure.
<b>Finish</b>	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 diamond grade reflective background, color to suit application.
<b>Window</b>	1/4" (5mm) anti reflective Polycarbonate.
<b>Operating Temp Range</b>	-30 to 165°F, 95% non condensing
<b>Mechanical Interface</b>	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 3/4" 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 1/2" banding.
<b>Electrical Interface</b>	Cable kits are supplied to facilitate plug and play connection to solar panel and sign. Sign is also equipped on rear naked AC socket Type 3S connection and separate 3/4" knock out for conduit cable entry. Dust caps are supplied to protect any unused sockets. Internal power connections are screw terminal.

## Operation

The DF15 sign series can be operated with or without separately supplied removable reflective 'YOUR SPEED' front face plate and is designed to operate in both Active and Stealth modes.

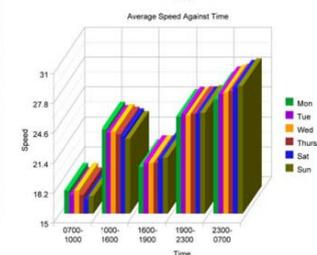
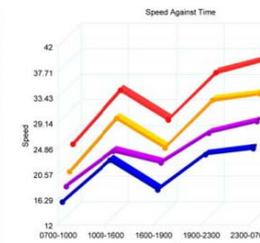


### Speed Detected

- Below or at posted speed limit
- 5mph above posted speed limit
- 10mph above posted speed limit
- 15mph above posted speed limit

### Display Warning

- Blank
- Speed displayed with flashing beacons
- Speed alternating with SLOW DOWN
- SLOW DOWN with flashing beacons



All DF15 are supplied with a comprehensive operation manual which contains a guide to installation best practices. It is recommended that these practices are followed to ensure optimal performance and results.