

Solar Powered Driver Feedback Signs GR36 Series



Available in a wide range of formats, GR36 Series Signs are proven to slow traffic down by providing drivers realtime responses.

Solar or Mains Powered
 with Optional Data Access

Key Features

- **Displays speed and text**
- **GR36L model** Amber LED's
- **GR36CL model** Colour LED's (Green/Yellow/Red) with full data collection capability
- **Flashes if speed threshold is exceeded**
- **Adjustable min and max speed thresholds**
- **Individual bitmaps can be used** such as text messages, smiling/frowning faces, speed limits or logos.
- **Time controlled activation**
- **Automatic brightness adjustment**
- **Bluetooth operation/configuration**
- **Solar or mains power operation**
- **Remote operation/data transfer option available**
- **Long life reliability** virtually maintenance free
- **Full installation service available** countrywide

Details

Radar-driven Driver Feedback Signs are proven to slow traffic down - permanently. This is due to the signs ability to alert drivers with responsive messages, which react to their actual speed. GR33 series signs are dot-matrix LED speed displays that show approaching vehicles speeds, as well as simple text messages and customised bitmaps .

Different message can be be displayed at different times of the day and this can be very useful for use outside schools or during rush hour traffic. The GR33CL model displays in different colour LED's (Green, Yellow and Flashing Red) and features vehicle data collection as standard - time & date, actual speed, average & max speed, speed reduction achieved, 85th Percentile. All of this in a compact enclosure that can be integrated into a wide range of different sign faces, designed to suit the specific location.

Options are available to allow the data to be remotely accessed - via a dedicated website, or by e-mailed data reports.



Signage Variations



GR36CL Signs **700mm x 1310mm**
600mm Dia. Speed Limit Roundel



GR33CL Signs – White Reflective
Background **660mm x 1030mm**
- with 450mm Dia. Speed Limit
Roundel



GR36CL Sign –
Slow **660 x 1030mm**



GR36CL Signs **850 x 1595mm** - with
Slippery Surface



GR36CL Signs **850mm x 1455mm**
- with 600mm W140 Pedestrian
Warning Sign



W001 Crossroads
850x1500mm



Go Mall/SLOW
850x1500mm



W141 School Ahead
850x1500mm



GR33CL Signs with Yellow Reflective Panel – MIND
OUR CHILDREN - Size: **660mm x 1030mm**



GR33CL Sign **700mm x 1455mm** with W002R
600mm Dia. and text
TURN AHEAD



W141 School Ahead
850x1730mm with
LED amber flashing
beacons



GR33CL Sign **700mm x 2250mm** W002R Diamond
with 600mm Dia. Speed
Limit Roundel



GR36CL Sign – Standard Format **660mm x 720mm** i.e. not
integrated into bigger reflective road traffic sign



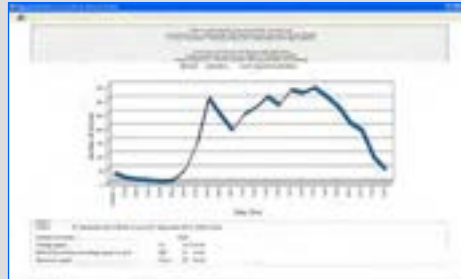
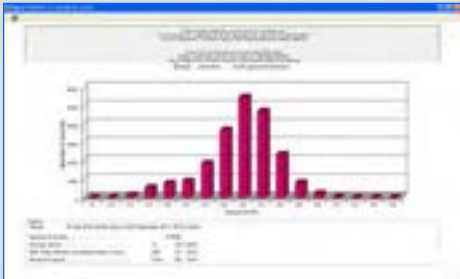
RUS043 50km/h Amber
700x1310mm



W040 Stop Ahead
850 x 1500mm

Data Collection (GR36CL model)

The signs in-built radar captures and stores data on all detected vehicles - date, time, V1 speed (speed at initial detection) and V2 speed (speed passing the sign). This data can be analysed using GRS5.2 software supplied with the sign to provide useful statistics on driver behaviour as well as monitoring the effect the Driver Feedback Sign is having on reducing vehicle speeds. A Remote Data option via a website is available as well.



Technical Specifications

Electrical Data

Input Voltage	12V
Power Consumption - Radar On, LED's Off	<0.1W
Display Active (speed value)	<1W
Peak (all LED's active)	4W

Radar Sensor

Operating Frequency	K-band (24 Ghz)
Transmitting Power	5 mW
Certification Operating	FCC, IC, CE Approved 2 -199 km/h or
Speed	2 - 150 mph
Detection Range	min 100m, typ 150m Truck/HGV typ. 300m
Accuracy	+/- 3%

Mechanical Data

LED Matrix Display	440mm x 340mm
Weight	4 kgs
Enclosure	ASA Plastic
Protection Rating	IP67
Front Plate Sheeting	Reflective EN12899 CR2
Front Window	Lexan, anti-glare coating
Operating Temp Range	-25 to 60 degrees C.
Sign Mounting	76mm - 114mm dia pole
Sign surround	Bespoke, to suit location
Data Download	Bluetooth, or via Inbuilt 4G Modem for Remote Access
Data Storage	> 8,000,000 Records



LEDs

Brand	High-Performance Osram "Black Series"
Colour	Yellow, Green, Red
Viewing Angle	>120 degrees

Display

Resolution	16 x 18 Pixels
Pixel Grid	20mm
Digit Size	305mm
Reading Distance	approx. 150m
Update Rate	1 sec, adjustable
Display Brightness	Automatic
Bitmap Memory	250 images

