IPL group

PULSA 4X4
Data Guide

IP 56	LED	LOW VOLTAGE	www.	Recyclable	Solar	CE

SMART PULSA 4X4 | GPRS PULSA 4X4

DESCRIPTION

The Pulsa 4x4 is a two year programmable school crossing warning signal, available in a size to suit, featuring a pre-wired reflective sign board with four flashing LED arrays, which has been designed for use on Safe Routes to School applications.

CONSTRUCTION

Enclosure	3mm aluminium, acid cleaned, chromate primed and polyester powder coated Grey. Complete with horizontal mounting channel.
Access Door	Secure access to internal elements via six security screws.
Lens Cowls	Die cast LM6-M aluminium, acid cleaned, chromate primed and polyester powder coated to match front enclosure panel.
Lens	5mm thick, high impact, UV stabilised polycarbonate.
LED Array	Super high intensity 5mm LEDs. Centre cluster comprising 64 at 17° viewing angle, outer ring comprising 32 at 30° viewing angle. Flashes top and bottom pair alternately at around 75 flashes per minute.
Control Board	Purpose designed LED control circuitry, conformally coated for moisture protection.
Graphics	Reflective graphics as required.
Mounting Hardware	Stainless steel twist in toggles - 76, 89 or 114mm.

OPTIONS

Alternative case colours
Case – various sizes
SMART Pulsa 4x4
GPRS Pulsa 4x4

POWER REQUIREMENTS

Light Source	LED
Operation Voltage	230V AC / 12V DC
Warranty (yrs)	2
Power	6W

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SWITCHING OPTIONS

	Permanent	Swipe-On	Self Timer	Simpod	Internet	Text
Description	Operates when power is applied and stops when power is removed.	Swipe with key fob to start – continues to operate until swiped again	Swipe with key fob to start – stops when preset time on internal dial (max 150 mins in 10 min intervals) is reached.	2 year programmable timer using Simpod wireless programming kit.	Internet based programming using GPRS mobile communication tecnology.	Send message from mobile phone to activate.
SMART PULSA 4 x 4	Y	Y	Y	Y	**X**	**X**
GPRS PULSA 4 x 4	Y	Y	Y	Y	Y	Y

Y Standard configurable feature   **X** Not supported

PROGRAMMING

SIMPOD PROGRAMMING KIT

The SIMPOD is a purpose designed data transfer device, allowing computer generated switching information to be downloaded and taken to site. Once on site the SIMPOD uses ZIGBEE wireless technology to communicate with the nearest Smart Pulsa and uploads the switching information without the need to open the unit. The SIMPOD is supplied with serial cable, USB adaptor and software.

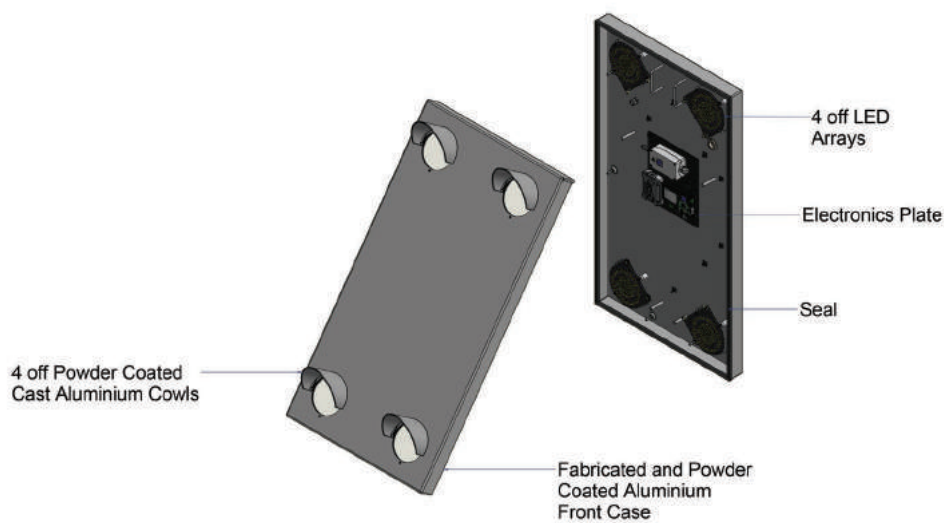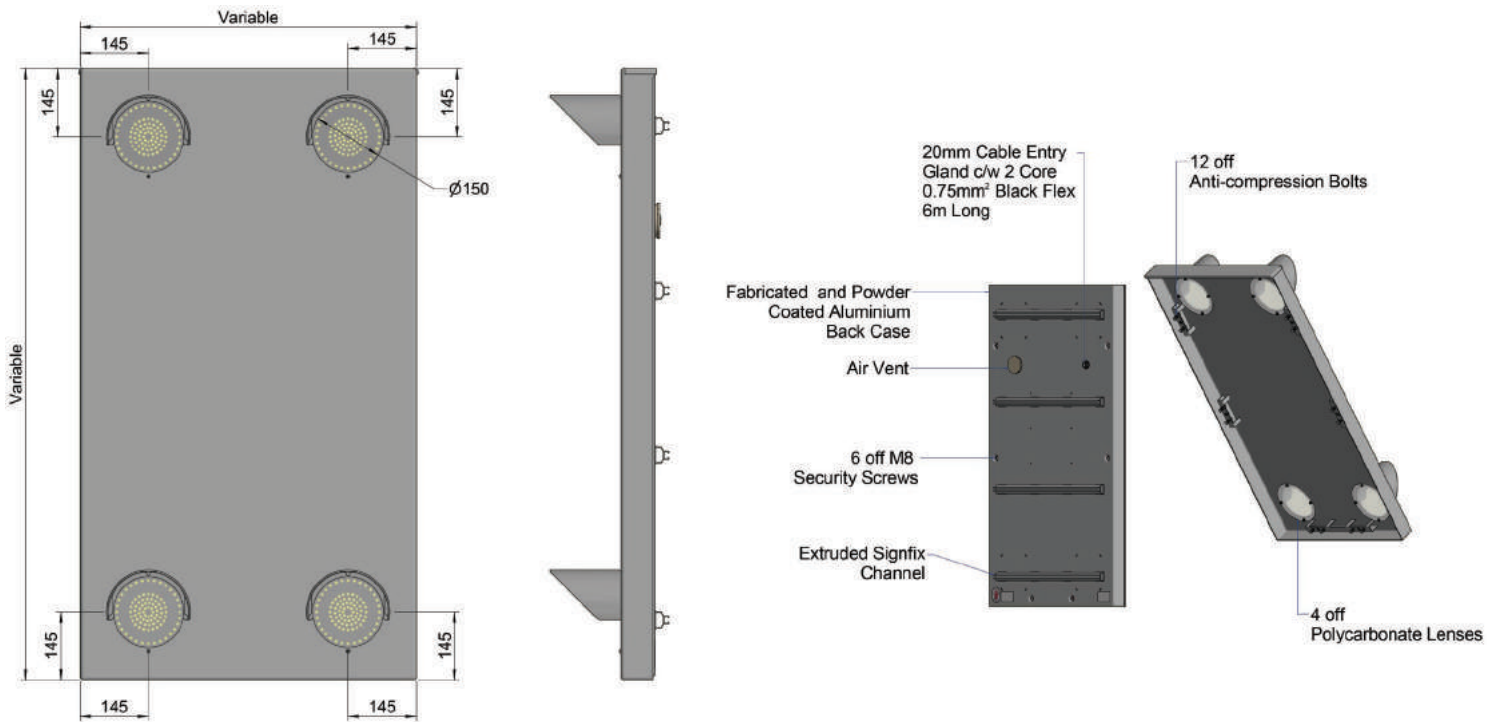|	
Capacity	16 x 2 year calendars
Range	Up to 3 metres (adjustable)
Battery	9V PP3 (supplied)
Dimensions	135 x 70 x 25mm
Software	Requires Windows XP or above and one available serial/USB port.

WEB BASED PROGRAMMING

The GPRS Pulsa communicates directly with our specially developed web site. This enables the remote programming and interrogation of the GPRS Pulsa, which in turn polls operational reports back at set times. In the event of a malfunction, the GPRS Pulsa can send a text or e-mail alert to the administrator. The website can be accessed from any computer with an internet connection running Internet Explorer 8.0 or above.

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SMART PULSA 4X4   GPRS PULSA 4X4

Variable
145 145
145 145
Ø150
Variable
145 145
145 145

20mm Cable Entry
Gland c/w 2 Core
0.75mm² Black Flex
6m Long

12 off
Anti-compression Bolts

Fabricated and Powder
Coated Aluminium
Back Case

Air Vent

6 off M8
Security Screws

Extruded Signfix
Channel

4 off
Polycarbonate Lenses

4 off LED
Arrays

Electronics Plate

Seal

4 off Powder Coated
Cast Aluminium Cowls

Fabricated and Powder
Coated Aluminium
Front Case

All dimensions in mm

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