HARDING TRAFFIC

HTL CURVE WARNING SIGN

Model: MV PCWS

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About Us

At Harding Traffic, we are more than just a company; we are pioneers in traffic control solutions with a rich history dating back to 1966 when Harding Signals was incorporated. This marked our venture into electronic traffic signals.

In 1997, our area of operations moved away from Traffic Signals and into Electronic Signage and Traffic Management Systems. To reflect this, we changed our name to Harding Electronic Signals Ltd. Harding Traffic's integration into the Traffitech Group in 2007 marked a new era of growth, joining a group of companies boasting a robust financial standing with $45 million in revenue, assets exceeding $20 million, and a dedicated team of 180 staff and 6 locations across New Zealand.

Our journey has been marked by a steadfast dedication to innovation and quality, leading the charge in traffic control technology. With 1000's of the country's traffic signs installed by Harding Traffic over 27years, our impact is undeniable. Yet our ambition extends beyond electronic traffic signs; we've become a comprehensive provider of traffic management/warning systems, car park solutions, integrated traffic management solutions, data capture and analytics along with so much more. We are committed to enhancing urban infrastructure with our cutting-edge solutions.

Today, Harding Traffic stands as a testament to over 50 years of expertise in the traffic industry. Our capabilities extend across the design, manufacture, and installation of high quality, specialised traffic systems. This includes everything from Motorway signs and School Zone signs to Rural Interchange Advance Warning Signs, Illuminated Road Stud technologies, car park systems, electronic waning systems and off-street signage. We take pride in serving a diverse clientele that includes NZTA, local Councils and authorities, commercial entities and contractors.

Quality Guaranteed

Harding Traffic holds AS/NZS 4801 Health and Safety Management certification, ISO 9001 manufacturing quality certification and ISO 14001 Environmental Management System certification. These certifications represent Harding's commitment to providing a consistently high level of service, delivery quality products based on sound management and process controls.

Standard Features

Curve Warning Sign

Harding Traffic's Curve Warning Signs are a NZTA P32 compliant Early Warning Sign (EWS). The Curve Warning EWS aims to provide advanced warning to drivers of an approaching bend, helping to reduce vehicle speeds, improve driver behaviour and provide a safer environment for other road users, such as cyclists and pedestrians.

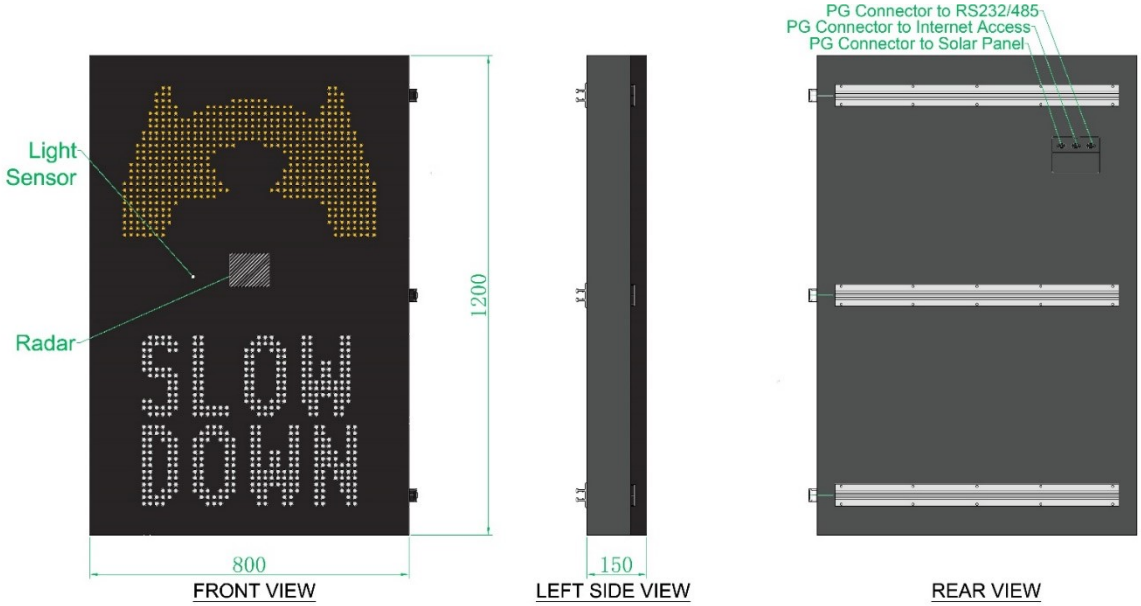
Our Curve Warning Sign unit is designed to detect vehicle speeds and display a left or right curved arrow according to the sing location. If the vehicle is faster than the programmed threshold, the sign will automatically display the words SLOW DOWN.

The unit features an advanced photoelectric sensor that automatically adjusts LED brightness to match ambient lighting conditions. This ensures clear visibility in bright daylight while minimizing brightness in low-light situations. A manual setting also allows for custom brightness adjustments to fit local requirements after installation. Powered by solar energy and activated wirelessly, these signs operate independently, removing the need for costly power and communication line installations.

All Harding Traffic signs are compliant with the EN12966 standard, New Zealand's preferred industry standard. This ensures a focused "viewing window," with light output significantly reduced outside 15 degrees from the sign's centreline and within 10 degrees below, preventing unnecessary light overspill and optimizing visibility for oncoming traffic.

FEATURES

- LED Technology
- Inbuilt radar sensor
- Vehicle Activated
- Flexible power sources
- Two Stage Activation



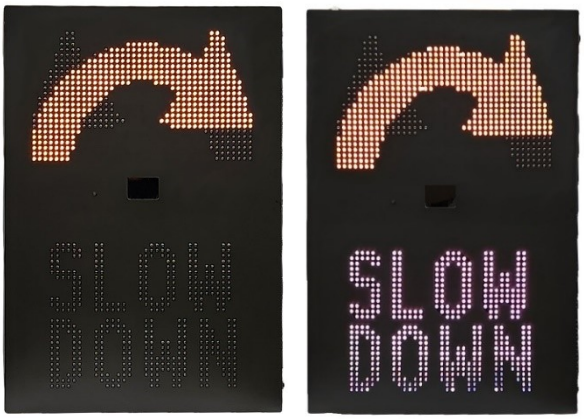
Sign Specifications

- **HTL Code:** MV PCWS
- **Cabinet Dimensions:** 800mm Wide x 1200mm High x 150mm Deep
- **Cabinet Colour:** Powder coated black front with aircraft grey on side and rear.
- **Power / Voltage:** 12 VDC solar option or 230 V AC mains option
- **Weight:** 38kg (without batteries)
- **LED Display Colour:** Amber & White (RGB LEDs)
- **Enclosure Rating:** IP56
- **Cabinet Material:** Aluminum
- **Sign Maintenance:** Front access.
- **Sign Design Life:** 10 years.
- **Warranty Period:** 12 months

INTERNAL RADAR

- **Operating Frequency:** 24.15GHz
- **Speed Detection Range:** (5 ~ 350) km/h
- **Accuracy:** (±1) km/h
- **Lanes Application:** Single Lane
- **Detection Range:** 100m
- **Operating temperature:** -30℃ ~ 70℃ Celsius
- **Refresh Rate:** 0.5Hz
- **Power Supply:** (9 ~ 24) VDC

Display Sequins



Right Curve

Left Curve

Additional Options

SMART SIGN

Harding Sign Monitor “Smart Sign” is an innovative traffic management software accessible via the Internet. This innovative solution empowers users to effortlessly oversee and control numerous devices within the software providing real-time status updates and enabling the transmission of content to the equipment.

- **HTL Code:** MV HSMK
- Remote Monitoring
- Online Schedule Updates
- Automated Daylight savings time changes
- Optional Radar module in combination with our radar option will allow you to monitor speeds[1]

1. Requires MV HSML and has a Quarterly ongoing charge.

SOLAR POWERED BATTERY/SOLAR KITS

Harding Traffic's solar systems are tailored to each specific sign type. Our solar systems are designed to power a sign for a minimum of two days without sunlight and to recharge the batteries within one normal day of sunlight. They utilize industry-standard solar power components, which are housed internally and is secured using the sign's locking mechanism. The solar panel itself is affixed to the top of the pole on which the sign is mounted.

- **HTL Code:** MV IBSKL100, MV IBSKL200
- **Solar Capacity (Nominal):** 60w, 100w or 200w
- **Junction Box:** IP67
- **PV Cells:** Mono-crystalline silicon cell per panel
- **Dimensions:** Varied depending on option
- **Front Glass:** 3.2mm, low iron, tempered glass
- **Operating temperature** -40°C to ~ 85°C
- **Battery Voltage:** 12V
- **Storage Capacity (Battery)** From 20ah, depending on setup.
- **Battery Type** VRLA

Low sunlight areas (less than 8 nominal hours of sunlight per day) signs will be required to upgrade their solar requirements.

MAIN’S POWERED KITS

Harding Traffic's Mains Power Ready kit is integrated directly into the sign, including all necessary components to establish a safe and controlled mains power supply for our wide range of active signs.

- **HTL Code:** MV MAINSP2
- **Output DC Voltage:** 12V
- **Input Voltage Range:** 88 ~ 264 VAC / 124 ~ 370VDC
- **Working Temp:** -30°C to +70°C
- **Protections:** Short circuit / Overload / Over voltage / Over temper

SPEED RADAR

Harding Traffic have thoroughly investigated the global Radar market, seeking the most reliable and cost-effective solutions to incorporate into our Electronic Warning Signs. We now have a range of options to suit all roading / traffic scenarios, catering for urban, rural and motorway speed considerations.

Long Range

- **HTL Code:** MV INRAD600
- **Radar Range:** 360m typical detection range[1]
- **Direction options:** Bidirectional
- **Radar Frequency:** 24.125GHz centre +/- 25Mhz
- **Accuracy:** +/- 0.5%
- **Operating temperature:** -40 to 85 degree Celsius
- **Speed Detection Range:** 1kph to 331kph
- **Interface:** Primary and Auxiliary RS232

1. Factory programmable and location dependant