



ELECTRONIC WARNING SIGN (EWS)

Model: MV LEWS / MV SEWS

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 27 years, 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 warning 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

Large Electronic Warning Sign

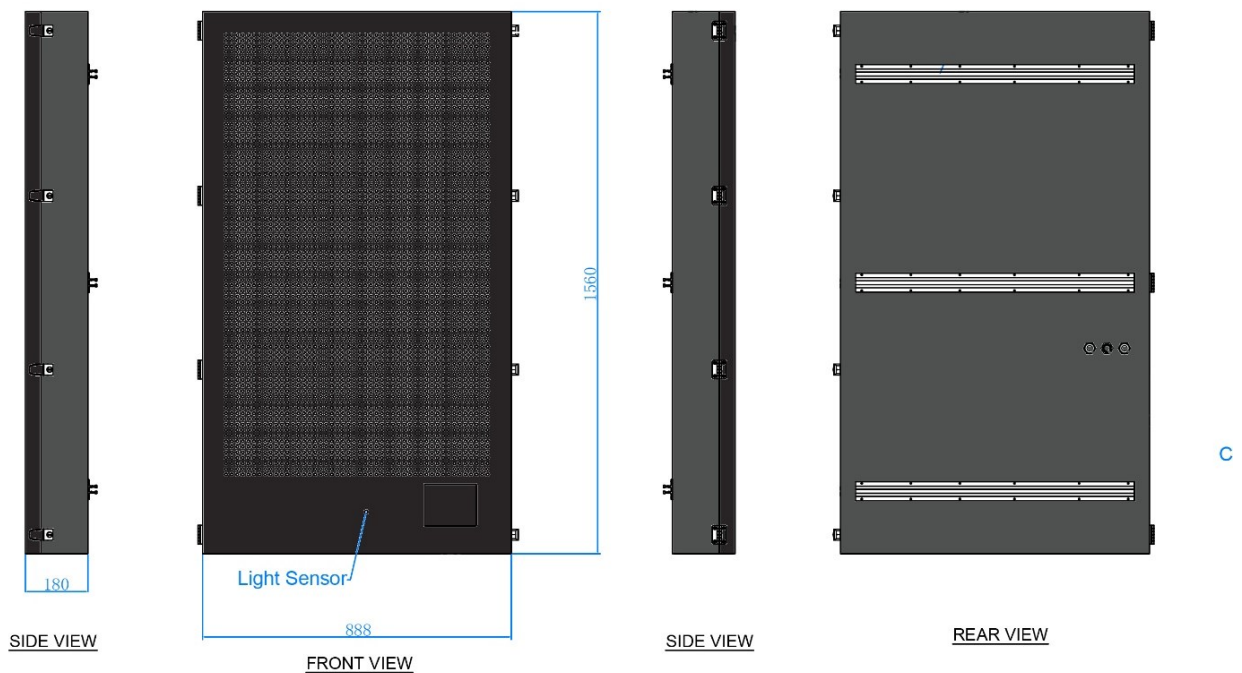
Our Large Electronic Warning Sign is a reliable, adaptable, and effective solution for all traffic management needs. By delivering clear, dynamic, and customizable messages, this sign plays a crucial role in enhancing road safety for all users. Its advanced features, including radar integration, make it an indispensable tool for improving compliance with traffic regulations and reducing accidents on New Zealand roads.

The combination of solar power and wireless activation means the signs are self-sufficient and do not incur the expensive installation costs typically associated with power and communication line trenching and routing.

FEATURES

- Capable of displaying a vast array of warning images and messages, tailored to suit any specific road safety requirement.
- Equipped with high-intensity LEDs, ensuring messages are visible in both daylight and nighttime conditions.
- Designed to capture driver attention quickly and effectively.
- Flexible programming allows for specific messages, images, or symbols to be displayed.
- Optional radar system detects vehicle speeds and provides immediate feedback to drivers.
- Enhances driver awareness and encourages compliance with speed limits by advising speeding drivers to slow down.¹

1. Requires MV INRAD100 or MV INRAD600



Sign Specifications

- **HTL Code:** MV LEWS
- **Cabinet Dimensions:** 888mm wide x 1560mm high x 180mm deep (Portrait)
- **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:** 55kg (without batteries)
- **LED Display Colour:** Full Matrix
- **Viewing Angle:** 30° horizontal, 10° vertical (down from horizontal plane)
- **Ambient Light Sensor:** Yes – Front to EN12966-1:2005
- **Enclosure Rating:** IP56
- **Cabinet Material:** Aluminum
- **Sign Maintenance:** Front access.
- **Sign Design Life:** 10 years.
- **Warranty Period:** 12 months

Display Options

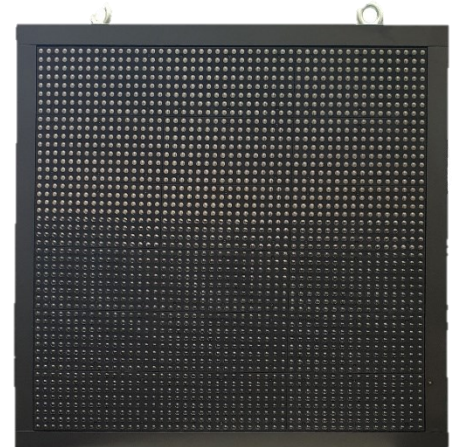


Standard Features

Small Electronic Warning Sign

Our Small Electronic Warning Sign is a reliable, adaptable, and effective solution for all traffic management needs. By delivering clear, dynamic, and customizable messages, this sign plays a crucial role in enhancing road safety for all users. Its advanced features, including radar integration, make it an indispensable tool for improving compliance with traffic regulations and reducing accidents on New Zealand roads.

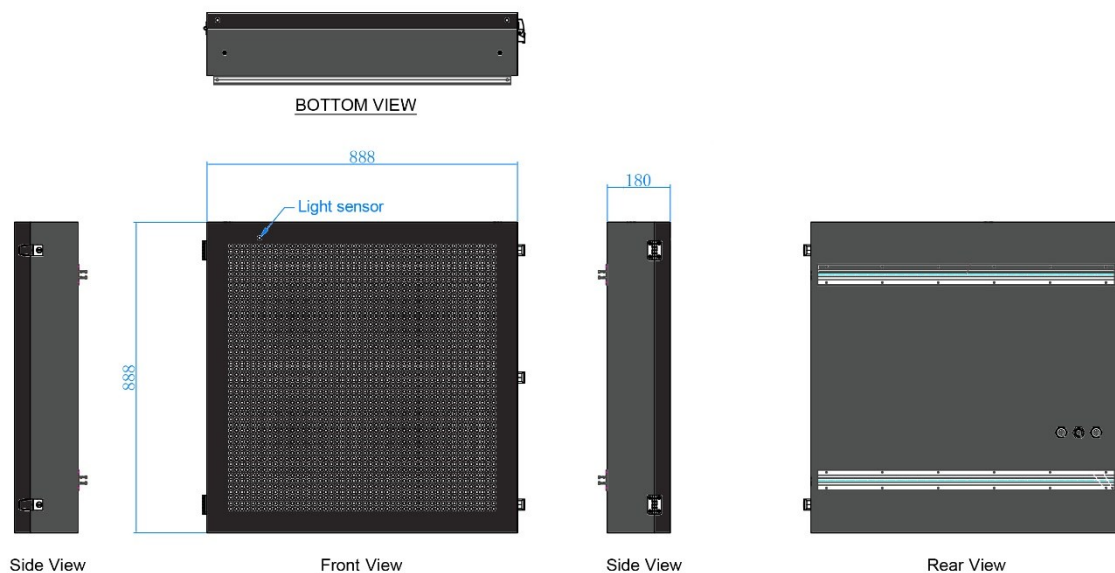
The combination of solar power and wireless activation means the signs are self-sufficient and do not incur the expensive installation costs typically associated with power and communication line trenching and routing.



FEATURES

- Capable of displaying a vast array of warning images and messages, tailored to suit any specific road safety requirement.
- Equipped with high-intensity LEDs, ensuring messages are visible in both daylight and nighttime conditions.
- Designed to capture driver attention quickly and effectively.
- Flexible programming allows for specific messages, images, or symbols to be displayed.
- Optional radar system detects vehicle speeds and provides immediate feedback to drivers.
- Enhances driver awareness and encourages compliance with speed limits by advising speeding drivers to slow down.¹

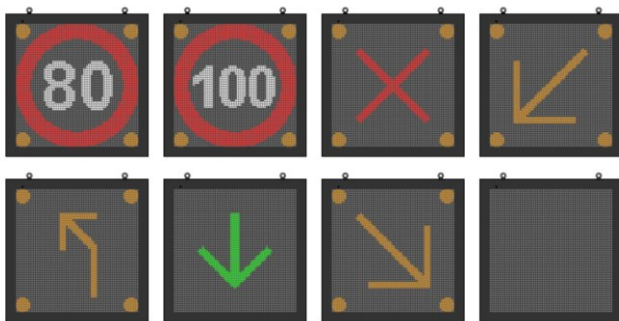
1. Requires MV RADAR100 or MV RADAR600



Sign Specifications

- **HTL Code:** MV SEWS
- **Cabinet Dimensions:** 888mm wide x 888mm high x 180mm 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:** 27kg (without batteries)
- **LED Display Colour:** Full Matrix
- **Viewing Angle:** 30° horizontal, 10° vertical (down from horizontal plane)
- **Ambient Light Sensor:** Yes – Front EN12966-1:2005
- **Enclosure Rating:** IP56
- **Cabinet Material:** Aluminum
- **Sign Maintenance:** Front access.
- **Sign Design Life:** 10 years.
- **Warranty Period:** 12 months

Display Options

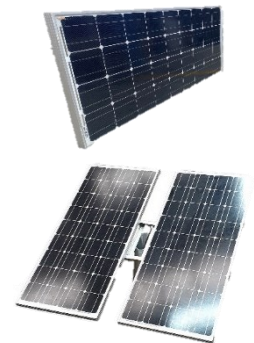


Power Options

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):** 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 40ah, depending on setup.
- **Battery Type** VRLA



Low sunlight areas (less than 8 nominal hours of sunlight per day) or vehicle counts over 2500 VPD (for radar activated) signs will be required the MV IBSKL200.

200AH WITH 400W SOLAR

- **HTL Code:** MV EBSK400 (Field Cabinet)
- **Battery Box Cabinet Size:** 1075H x 750W x 620Dmm
- **Cabinet IP Rating:** IP66
- **Total Batteries:** 2 x 100ah Lithium
- **Solar Charger:** MPPT 40A
- **Solar Panel Size:** 1200H x 540W x 35Dmm x 4
- **Solar Max Power Voltage:** 18 V
- **Solar Max Power Current:** 5.56 A
- **Solar Power Tolerance:** 0~3W
- **Solar Cells:** Monocrystalline Silicon Cells
- **Solar Front Face:** 3.2mm, Low Iron, Tempered Glass
- **Solar Junction Box:** IP67
- **Solar Operating Temp:** -40 °C~ +85°C



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



Monitor 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
- Alarm notifications on errors /
- Alarm notifications on battery health.
- Optional Radar module in combination with our radar option will allow you to monitor speeds¹

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



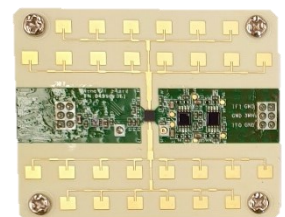
Activation Options

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. The data can also be monitored and reported¹.

Short Range

- **HTL Code:** MV INRAD100 / MV RADAR100
- **Radar Range:** 100m typical detection range
- **Direction options:** Bidirectional
- **Radar Frequency:** 24.125GHz centre +/- 25Mhz
- **Accuracy:** (±1) km/h
- **Operating temperature:** -30°C ~ 70°C Celsius
- **Speed Detection Range:** 5kph to 350kph
- **Interface:** RS232 / RS485



Long Range

- **HTL Code:** MV INRAD600 / MV RADAR600
- **Radar Range:** 360m typical detection range³
- **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. Requires MV INRAD600 / MV RADAR600

2. Requires MV HSMK and MV HSML

3. Factory programmable and location dependant



THERMAL SENSOR

Upgrade your road safety and traffic management with our state-of-the-art thermal sensing cameras that seamlessly integrate with our electronic signs. These advanced cameras detect heat signatures to provide real-time monitoring of vehicles, pedestrians, and animals, ensuring accurate detection in all lighting and weather conditions. Instantly activate the electronic sign to communicate critical information to drivers, enhancing safety and reducing the risk of accidents. Ideal for high-risk areas

