

# HARDING TRAFFIC



## HTL CAR COMING SIGN

Model: MV SZSVS

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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 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.

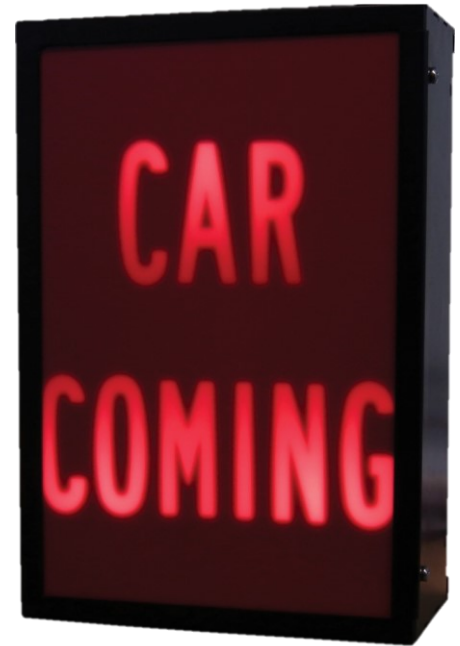
# Standard Features

## CAR COMING SIGN

Our Car Coming Signs are designed to warn pedestrians that a car is exiting from a parking area or blind corner by emitting an audible and visual warning<sup>1</sup>.

The sign is double sided<sup>2</sup> and contains 3 LED lamps along with an audible pedestrian buzzer to ensure that everyone near the area is aware that a car is approaching.

Constructed to withstand NZ weather conditions, our Car Coming Signs are manufactured from a powder coated, aluminium housing which is weatherproof and rust resistant.



### FEATURES

- Highly audible buzzer
- High visibility
- Compact & lightweight
- Visible from two directions
- Easy Installation
- Wall or Pole Mounted
- Mains powered (230V)
- Powder coated aluminium casing.
- Highly compatible (Multiple trigger options)
- Light and buzzer can be operated independently.

### SPECIFICATIONS

<b>Dimensions:</b>	460mm high x 310mm wide x 160mm deep
<b>Colours Standard:</b>	Powder coated black finish.
<b>Power / Voltage:</b>	230V AC
<b>Display:</b>	"Car Coming" text is illuminated by internal LED lamps upon activation
<b>Mounting &amp; Installation:</b>	Either wall mounted or installed onto a 76mm aluminium fluted pole.

# Wiring and Installation

Our Car Coming sign can be used in conjunction with a wide range of parking systems or access control systems including roller doors, barrier arms, IR beams and vehicle loops /loop detectors. The Car Coming sign is wired into the "normally open, voltage free" contact<sup>3</sup>, of one of the above triggers so when a vehicle is exiting, the car coming sign is activated.

The sign can be installed by a registered electrician, and either be wall mounted or installed on a 76mm Aluminium Fluted Pole.

Please note that the buzzer is not rated for continuous duty and will require a timer or flasher to be added. Operating the buzzer continuously without pulsing can lead to its premature failure.

1. Buzzer / Sounder can be controlled separately if required  
2. Single sided unit can be made upon request.  
3. Contact must be capable of switching 230V, supplied from the car coming sign.

# Options

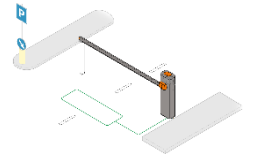
## HTL SIGN CONTROLLER<sup>4</sup>

The Harding Traffic 'Car Coming' sign controller is engineered to function alongside an activation trigger, such as an Induction Loop, Sensor, or Roller Door. This controller necessitates a 2.5mm 2c+E power supply and a 1.5mm 3c+E connection running from the controller to the 'Car Coming' sign.



## INDUCTION LOOP

Induction loops are installed beneath the road surface, emitting electromagnetic fields that detect the presence of vehicles passing overhead. When a car crosses the loop, it induces changes in the electromagnetic field, triggering an instant response from the sign. Typically, these loops are installed directionally, ensuring the sign activates only when vehicles enter or exit, tailored to specific needs. With unmatched precision in vehicle detection, induction loops guarantee heightened accuracy for your traffic management system.



## RETROREFLECTIVE PHOTOELECTRIC SENSOR<sup>5</sup>

The sensor emits a beam of light towards a reflector placed strategically across the road. Upon detection of the reflected light, the sensor triggers the sign, promptly notifying drivers and pedestrians of approaching vehicles. Its non-invasive nature means easy installation without disrupting road infrastructure, while its low power consumption ensures cost-effective operation. Of course, like any technology, there may be occasional challenges. Factors such as extreme weather conditions or improper alignment of the reflector could affect sensor accuracy as well as any object blocking the reflective beam.



## ULTRASONIC SENSOR<sup>5</sup>

The ultrasonic sensor emits waves across the road, forming a beam extending to the opposite side. As a vehicle crosses this beam, it disrupts the wave pattern, prompting an immediate response from the sign. Thanks to their compact size, ultrasonic sensors seamlessly integrate into infrastructure elements like poles or signboards, remaining inconspicuous. However, factors like severe weather or obstacles blocking the beam might induce false triggers. Nonetheless, these attributes render ultrasonic sensors ideal for applications prioritizing cost-effectiveness, space optimization, and energy efficiency.



## THERMAL SENSOR<sup>5</sup>

Detects the presence of vehicles, bicyclists, and pedestrians in adverse weather and low light conditions with thermal imaging. By focusing on heat signatures rather than visual shapes, thermal sensors can more accurately identify vehicles, reducing false alarms caused by non-vehicle objects moving within the camera's field of view. Elevate your traffic management system to new heights with our Thermal Camera. Experience unparalleled reliability, efficiency, and peace of mind.



<sup>4</sup> Supply from controller to sign is fused to suit inside controller

<sup>5</sup> If this option is selected a 24VDC power supply and 230v interface relay must be supplied and installed by the electrician as part of the installation.