



HTL WIG WAG CHILDREN CROSSING SCHOOL SIGN

Model: MV SZSWW

Harding Traffic Ltd

The Company and Technology

Harding Traffic Ltd, (HTL) has been installing traffic control systems since 1963. Over the past 50 years, HTL has broadened its activities to many sectors of the industry including traffic control, traffic management, car park solutions and street furniture.

Formed in 1959 as H.K.M Industries Ltd the company was involved in the manufacture of the first electronic sewing machines in NZ through the Bernina brand. The Company name was changed in 1966 to Harding Signals to reflect the company's core business at that time, electronic traffic signalling. It is, by this name we are still often referred as over 80% of New Zealand traffic signals were supplied and installed by the company over a period of 34 years

HTL has grown into a traffic company with unrivalled New Zealand experience in the design, manufacture and installation of traffic systems, electronic road signage, variable message signs (VMS), Smartstud systems, car park systems and vehicle analytics for NZTA, local authorities, commercial companies 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

Wig Wag Children Crossing School Sign

Our Wig Wag Children Crossing School Sign is designed to provide a safer environment around schools for children, parents and teachers by temporarily reducing the speed limit during high-risk periods i.e. school start & end times and other special school related events.

The sign incorporates flashing wig wags and (LED) components which are activated at programmed times, making the sign more effective by enhancing driver awareness.

Combined solar power and wireless activation means the signs are self-sufficient and don't incur any expensive installation costs generally associated with power and communication line trenching and routing.

Sign Specifications

- **Dimensions:** 1100mm H x 750mm W
- **Colours Standard:** Black with Image of PW-31 & PW-32 in Fluorescent Lime
- **Power / Voltage:** 12v DC with 230V AC mains power option
- **Weight:** 5 Kg
- **Mounting:** Pole Mounted
- **HTL Code:** MV SZSWW
- **TCD Rule:** W16-4
- **Enclosure Rating:** IP65
- **Material:** Aluminium
- **Warranty Period:** 12 Months
- **Corner Wig-Wag Lights:** Yes - 2 x Amber 100mm diameter
- **Wig-Wag Flash Rate:** 1Hz

Additional Options

LOCAL ELECTRONIC SIGN CONTROLLER

Manage the sign with the HTL Electronic Warning Sign Controller via RF communication. This controller can be conveniently mounted inside the school buildings to enable the user to change school zone times or manually switch the sign on or off.

- **HTL Code:** MV ESCONTRL
- **Housing Dimensions:** 218mm wide x 163mm high x 60mm deep
- **Weight:** 1kg
- **Operation Modes:** 7-day timer with manual 10-minute override
- **Timer Mode:** 7 day per week, 24 hour per day programmable
- **Effective operating range:** 2000 meters (line of sight)
- **Operating Voltage:** 230V AC Plug-in Power Supply



HARDING SIGN MONITOR/CONTROLLER

It is a Traffic management software based on the Internet. Users can manage and control multiple devices in the software at the same time to check the current status and send contents 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 speeds



SOLAR POWERED BATTERY/SOLAR KITS

Harding Traffic's solar systems are matched to each sign type. Our solar systems are calculated to power a sign without sunlight for a minimum of two days and to recharge the batteries within one normal sunlight day. They use industry standard solar power components housed externally in a IP65 Battery Box mounted behind the static sign and secured using the sign locking mechanism. The solar panel is affixed to the top of the pole that the sign is mounted on.

- **HTL Code:** MV EBSKS60, MV IBSKS100
- **Solar Capacity (Nominal):** 60w or 100w
- **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)** 40 AH or 60 AH
- **Battery Type** VRLA



Most installations require the MV EBSKS60 or MV EBSKS100.

Low sunlight areas (less than 8 nominal hours of sunlight per day) or vehicle counts over 2500 VPD (for radar activated) signs will require the MV EBSKS100

MAIN'S POWERED KITS

Harding Traffic's Mains Power Ready Box is a robust UV Resistant sealed enclosure. Lockable with pole-mount brackets and supplied with all components required to establish safe and controlled mains power supply to our wide range of active signs.

- **HTL Code:** MV MAINPS
- **Cabinet Size:** 450H x 315W x 170Dmm
- **IP Rating:** IP66
- **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 temperature

