HTL CARDIN BARRIER

Model: CB ELBxxDG

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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

CARDIN BARRIER GATE - DARK GREY w/ 24V MOTOR

Harding Traffic's barrier range covers applications requiring 3m to 8m booms with articulated and customised length options available. Designed and built for use on carparks of all dimensions, our barriers are made of passivated and spray-painted aluminium. These offer maximum resistance to the effects of weathering throughout time even in environments where they are exposed to corrosives such as saline elements and smoke etc.

All the components are housed and protected inside the barrier cabinet. The mechanical components are mounted on a robust steel chassis and consist of a highly efficient, double reduction geared motor and an adjustable spring-loaded balancing system. The electronic control unit, complete with battery charger and NiMH batteries is located inside a dedicated waterproof container, inside the cabinet. The integrated controller allows encoder-controlled boom positioning, automatic repositioning, and self-programming.

The control unit is completed by the anti-crush and "soft start" and "soft stop" functions. The control unit is factory fitted with a graphic LCD display (128 x 128 pixels) with backlighting in six different languages allowing on-site configuration and modification of parameters by suitably qualified service agents. Adjustable parameters include sequential button mode, automatic reclosing, warning lamp flashing as well as deceleration adjustment both in the opening and closing directions.

The electronic control unit, thanks to the inclusion of a real-time clock, allows for up to 10 events (shown on the display) to regulate the opening and closing of the motor at different times during the day within 3 weekly time bands (Mon-Fri, Sat-Sun, Mon-Sun). The events can be enabled or disabled (during holiday periods) either from the controller or by means of an external signal.

Multiple options such as RF remote control, Pin Pad, Presence / Safety Loops and Activation methods are available.

GENERAL CHARACTERISTICS	BARRIER GATE: 1-5m	BARRIER GATE: 6-8m
• Mains power supply	230 Vac	230 Vac
• Power input	250 W	250 W
• Duty cycle	90 %	90 %
• Opening time 90°	3…4 s	6…12 s
• Passageway opening time (75°)	2 s	4 s
• Operating temperature range	-20°…+55 °C	-20°…+55 °C
• Ingress Protection rating	IP54	IP54
MOTOR DATA		
• Power supply	24 Vdc	24 Vdc
• Nominal electrical input	3 A	3 A
• Maximum power yield	120 W	120 W
BUILT-IN RECEIVER CARD		
• Reception frequency	433.92/868,3 MHz	433.92/868,3 MHz
• Number of channels, and of functions	4 / 8	4 / 8
• Number of stored codes	300 / 1000	300 / 1000

SPRAY-PAINTED ARTICULATED ALUMINIUM BOOM

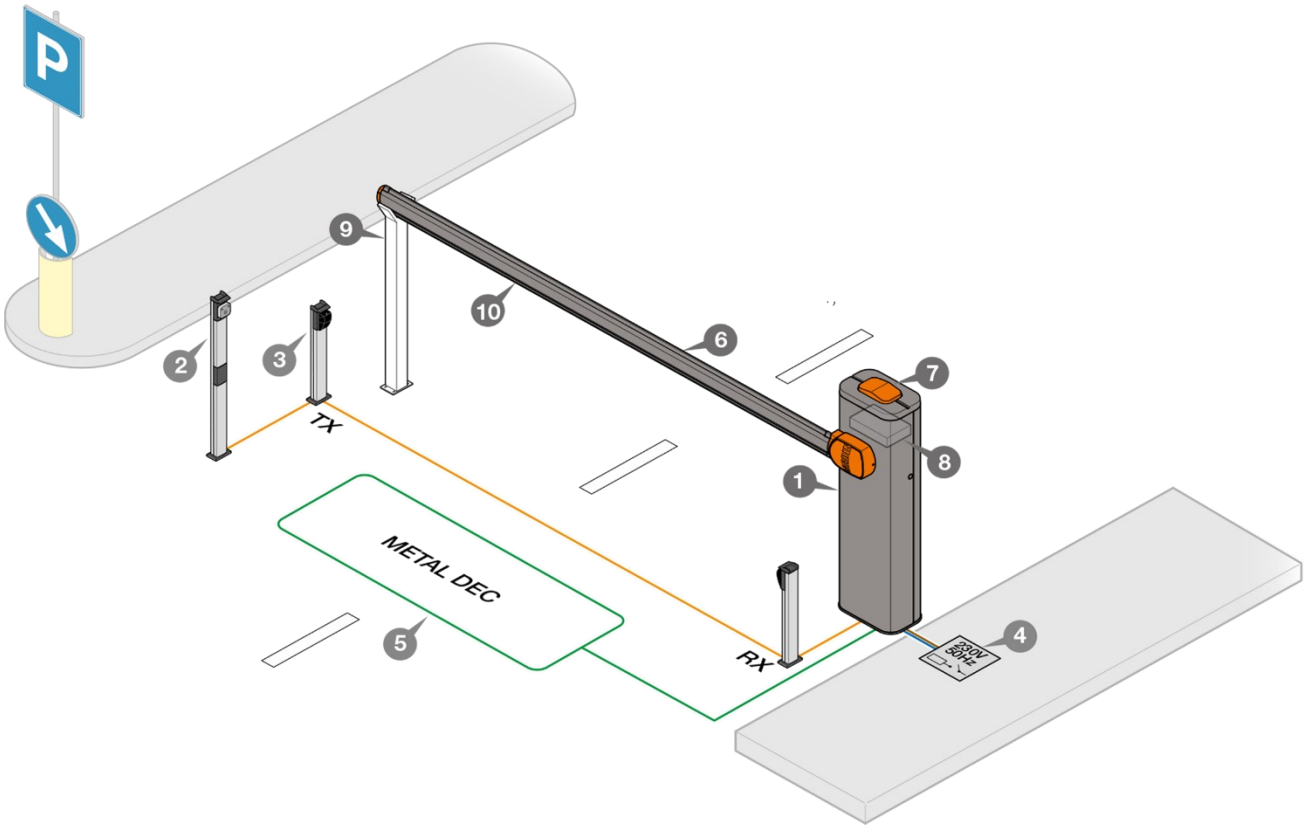
ADJUSTABLE BOOM HOLDER RIGHT - LEFT

EXTRACTABLE KEY-LOCKED INSPECTION PANEL ELDOMSDG

REINFORCED BALANCE SYSTEM AND GEARED MOTOR PERSONALISED FOR THE 3,4,5 METRE BOOMS OF THE ELDOMSDG

SELF-PROGRAMMING MONITORED BY AN LCD GRAPHICS DISPLAY

Installation Example & Dimensions

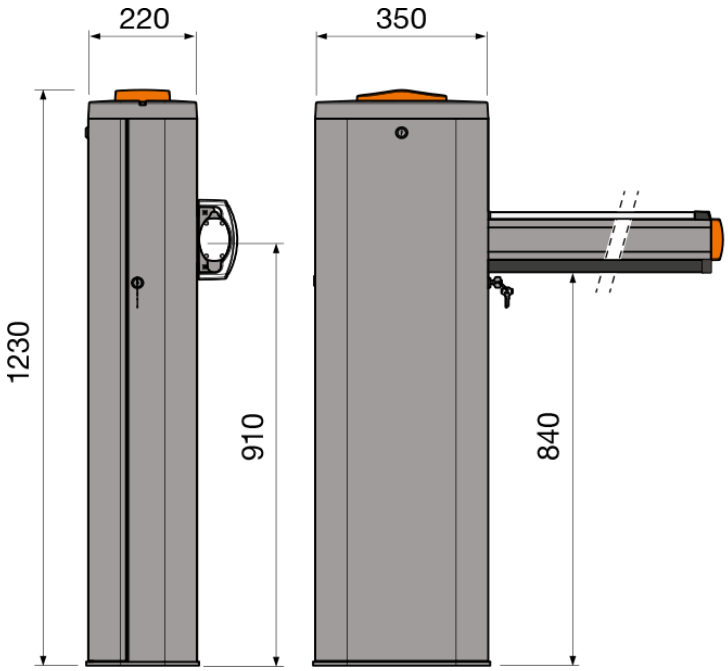


LEGEND

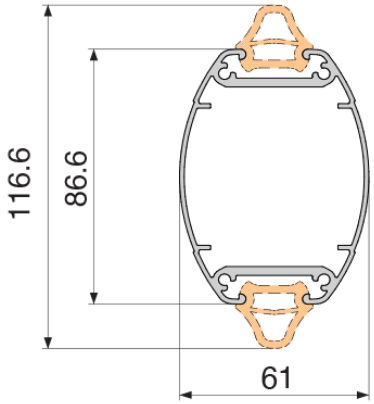
1. Barrier
2. Push Button / Switch / Lever / Pin Pad
3. Reflective / Retro-reflective Beam Safet Device
4. Electrical Connection Pit / Toby Box
5. Presence Loop
6. Standard boom (Arm)
7. Warning light
8. Electronic Controller
9. Fixed support fork
10. Passive safety edge fitted to boom

Disclaimer: The above drawing is purely indicative and is supplied as a working base from which to choose the components required to make up the installation. This drawing does not lay down any obligations regarding the execution of the installation.

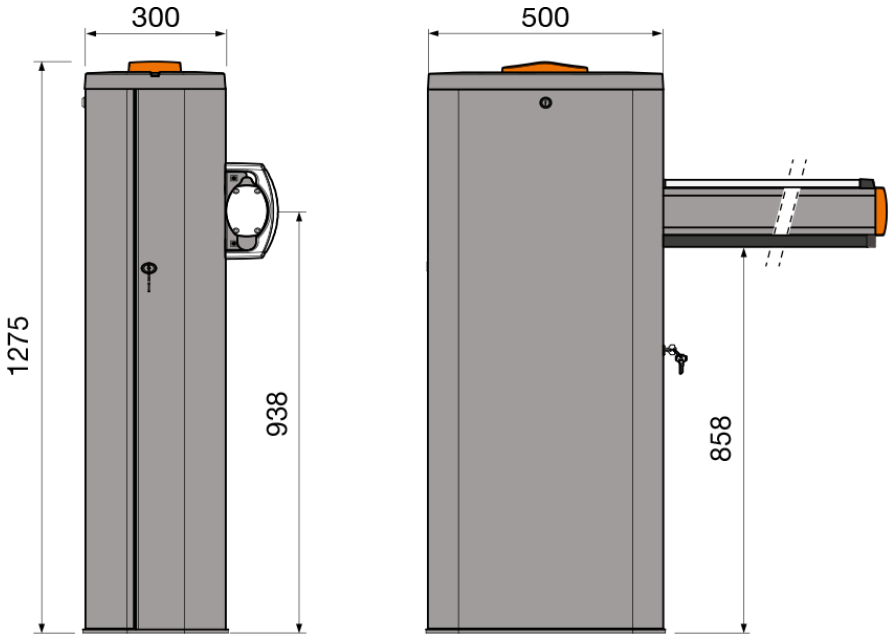
OVERALL DIMENSIONS OF 3-5 m BARRIER



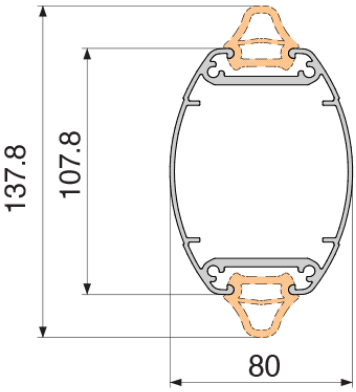
DIMENSIONS FOR THE 2, 3, 4 & 5m BOOM



OVERALL DIMENSIONS OF 6-8 m BARRIER



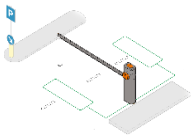
DIMENSIONS FOR THE 6, 7, 8m BOOM



Operational Options

PRESENCE LOOP - (ENTRY, EXIT OR BOTH ENTRY AND EXIT)

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 barrier opens 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.

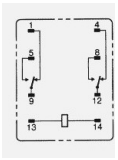


ACCESS CONTROL REMOTE

A 2-Channel Remote Control allows users to open a barrier arm with the simple push of a button

FEEDBACK RELAYS

Harding Traffic can install relays on barriers to relay the barrier's position to external systems, ensuring enhanced integration and monitoring.



PIN PAD

The highly compact and efficient command keypad supports up to 1000 user codes and features direct keyboard access for code cancellation, memorisation, and memory reset functions. Up to three keypads can be connected to a single interface module, enabling barrier activation from multiple locations. Additionally, it can manage up to four independent interfaces to external systems, each operable with separate keys using impulsive ON/OFF or timer-controlled relays.

REVERSE ARM INSTALATION

Occasionally, certain installations may necessitate mounting the barrier arm in reverse. This is typically required in situations where sufficient service access (1.5m) is not available behind the barrier, or when two barriers face each other on a single lane. Consequently, the arm is positioned on the same side relative to the road as the barriers, rather than the barrier housing. By default, the arm installation is left-handed, meaning that when you stand at the barrier motor facing towards the end of the arm, the arm is located on the left side of the barrier (per the picture below)

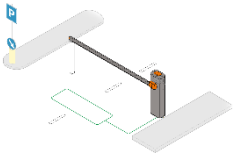
Safety Options

BOOM SAFETY DEVICE (BREAKAWAY)

The anti-collision system, featuring roller bearings and plastic security screws, safeguards the 3-meter boom against accidental collisions.

SAFETY INDUCTION LOOP

Safety loops are designed to prevent a barrier arm from closing on a vehicle. Two loops can be connected to a single detector, a common configuration for safety loops. These loops are typically positioned in front of and directly under the barrier arm to ensure comprehensive safety coverage.



RETROREFLECTIVE PHOTOELECTRIC SENSOR

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

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.

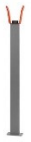
THERMAL SENSOR

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.

Accessory Options

FIXED ALUMINIUM SUPPORT FORK (H 910mm)

This support is anchored to the ground at the outer end of the arm and remains stationary when the arm is raised. When the arm is lowered, it is securely captured and held by the fork. This setup is recommended for situations where the arm may be subjected to high wind loads.



MOBILE SUPPORT POLE (H 1200mm)

This support pole lies parallel to the boom when the boom is in a vertical position and automatically unfolds as the arm is lowered.

PLASTIC FOLD-UP MESH (L 2000 x H 610mm)

Barrier skirts combine the flexibility of a rising arm automatic barrier with the deterrent effect of a gate, all at a significantly lower cost. They are ideal for preventing pedestrians from walking underneath your automatic barrier, enhancing safety and security.