BARRIER GATE - DARK GREY

Model: CB ELBxxDG

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

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.

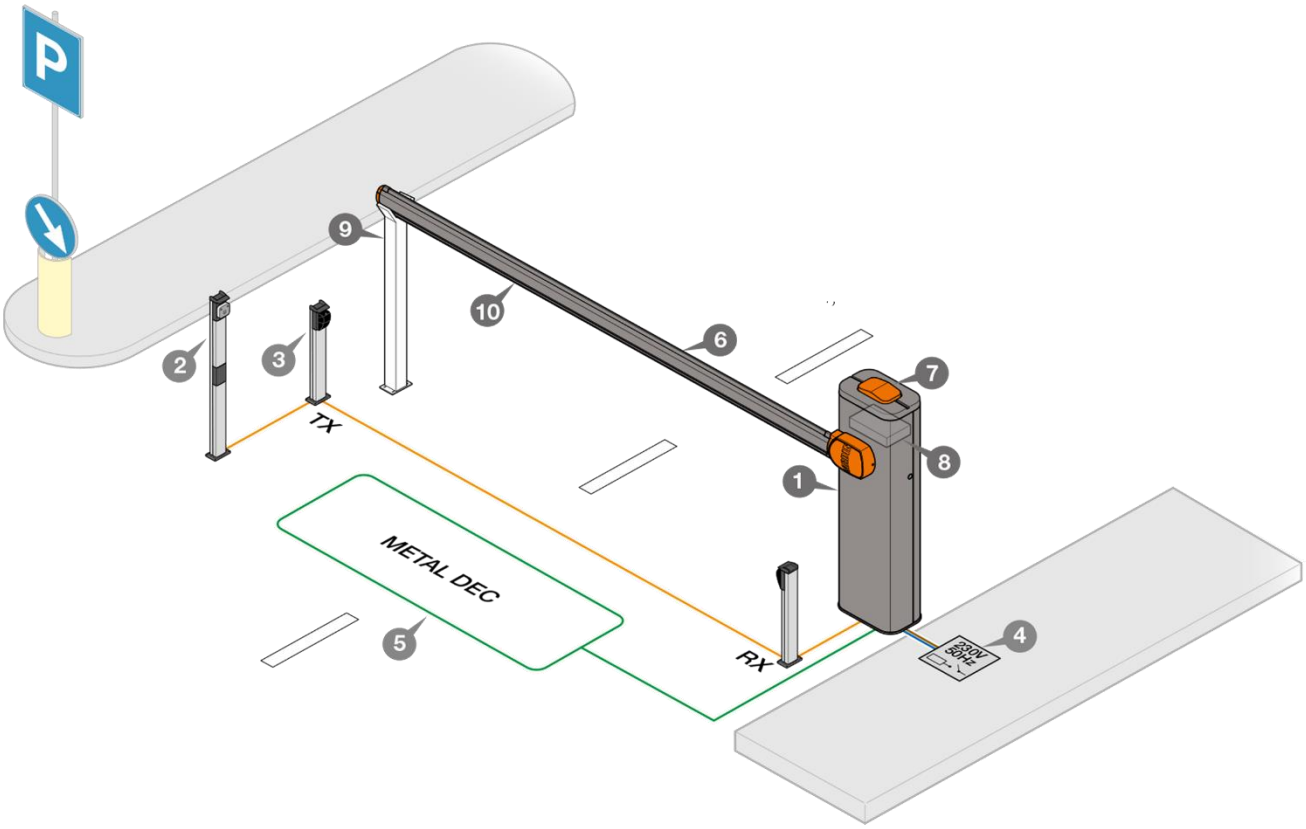
The electronic control unit, thanks to the inclusion of a real-time clock, allows for up to 10 events (shown on the display) to regulate the opening and closing of the motor at different times during the day within 3 weekly time bands (Mon-Fri, Sat-Sun, Mon-Sun). The events can be enabled or disabled (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 / Number of functions	4 / 8	4 /
• Number of stored codes	300 / 1000	300 / 1000

All features, benefits and specifications are subject to change.

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.

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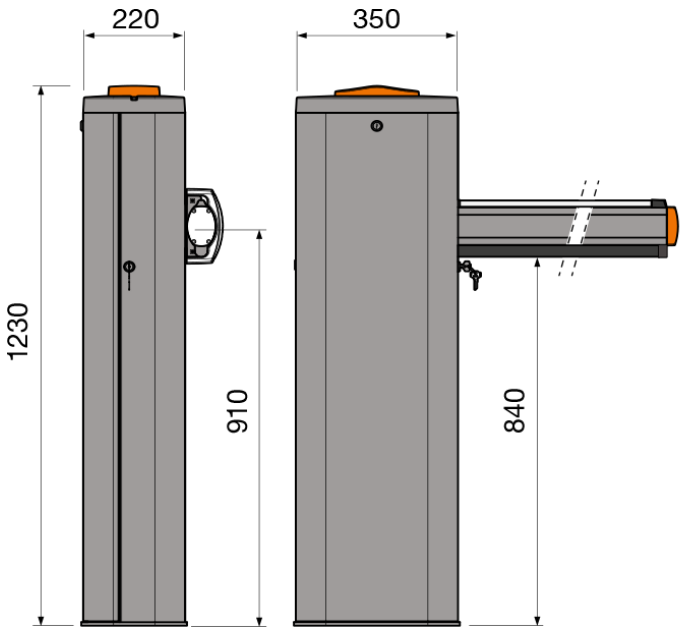
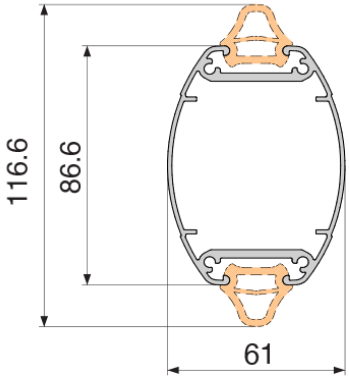
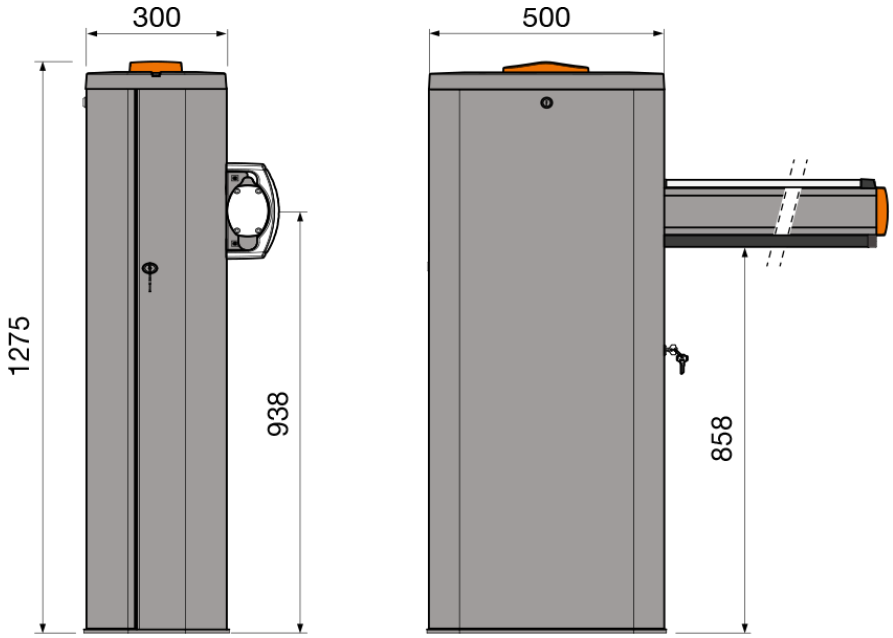
OVERALL DIMENSIONS OF 3-5 m BARRIER



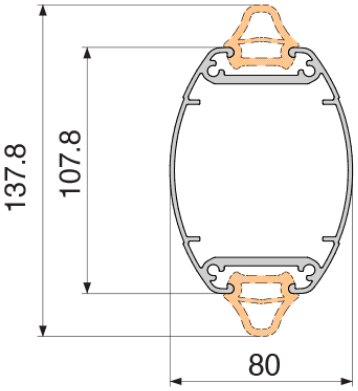
DIMENSIONS FOR THE 2, 3, 4 & 5m BOOM



OVERALL DIMENSIONS OF 6-8 m BARRIER



DIMENSIONS FOR THE 6, 7, 8m BOOM



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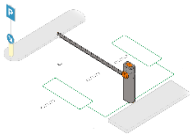
Operational Options

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

Presence Loops are a term used to describe a vehicle detection system that uses one of more "loops" of wire buried underground, in combination with a "Loop Detector", to sense the presence of a vehicle. A Single or Dual loop detector is used depending on the number of loops in an installation.

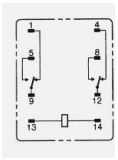


ACCESS CONTROL REMOTE

2 Channel Remote Control opens barrier arm with a push of a button by the user.

FEEDBACK RELAYS

Harding Traffic can fit relays to the barriers to provide indication of the barrier's position to external systems



PIN PAD

The extremely compact and efficient command keypad allows up to 1000 user codes and has code cancellation, memorisation and memory reset functions directly on the keyboard.
It is possible to use up to three keyboards in a single interface module which allows you to activate the barrier from different locations. You can also manage up to four independents interfaces to external systems with separate keys using impulsive ON / OFF or timer-controlled relays

REVERSE ARM INSTALATION

On occasion, an installation requires the barrier arm to be installed in reverse. Examples of this is is when sufficcient service access (1.5m) is not available at the rear of the barrier or when using two barriers opposing each other on a single lane. This means that the arm is on the same side of the barriers in relation to the road rather than the barrier housing. The default arm installation is left-handed. This means that when you stand at the barrier motor looking towards the end of the arm, the arm is on the left side of the barrier (per the picture below)

All features, benefits and specifications are subject to change.

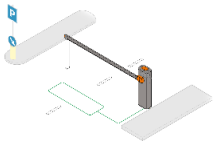
Safety Options

BOOM SAFETY DEVICE (BREAKAWAY)
Anti-collision system with roller bearings and plastic security screws that protects the 3-Meter boom from accidental collision

TIME-OF-FLIGHT (TOF) SENSOR
The TOF/Spot is a compact yet powerful measuring system with the widest range of application possibilities. Measures the time it takes to travel a distance through an object. Whenever an object is detected, it will trigger the barrier to respond

RETROREFLECTIVE PHOTOELECTRIC SENSOR
Light produced by the emitter is reflected to the receiver with a reflector. Whenever this light beam is obstructed, it will trigger the barrier to respond

SAFETY LOOP
Safety loops are used to prevent a barrier arm from closing on a vehicle. Two loops can be wired to one detector. This is frequently the case in safety loops. Loops are placed in front, behind or both sides of the arm



ULTRASONIC SENSOR
Ultrasonic waves are used to enable stable detection of objects, using Through-beam or Reflective Sensors.

Accessory Options

FIXED ALUMINIUM SUPPORT FORK (H 910mm)

This support is fixed to the ground at the outer end of the arm and remains in place when the arm raises. When the arm is lowered, it is captured and held securely by the fork. This is reccomended if the arm is subjected to high wind loads.

MOBILE SUPPORT POLE (H 1200mm)

This support pole is lays parallel with the boom when the boom is vertical and self-unfolds as the arm comes down

PLASTIC FOLD-UP MESH (L 2000 x H 610mm)
Barrier skirts offer the flexibility of a rising arm automatic barrier and the deterrent of a gate, but at a much lower cost. They are ideal for preventing pedestrians from walking underneath your automatic barrier.

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