

Product Brochure

Vehicular Control-CR8-HD Boom Gate

The **CR8-HD** series of boom gates are Australian Made and recognized as the best in the world due to the quality, rigid, and designed for continuous (100% duty cycle) operation in applications such as large shopping centres, airports and toll roads.

The very fast operating speed allows opening times of up to 2.7 seconds and the design of the control circuit ensures a rapid throughput of vehicles.

The use of a Torque motor eliminates the need for limit switches, reduces the amount of wearing parts and the plug in control panel can be changed in less than 5 minutes reducing down time, loss of revenue and maintenance costs.

The boom gate cabinet is available in mild steel or stainless steel and is powder coated white with a blue cover.

Standard features:

- Automatic boom raise in the event of power failure or fire alarm.
- Boom pole type. 76mm round aluminium pole up to 6 metres
- Memory input enables a number of vehicles to pass the boom without opening and closing for each vehicle allowing rapid exit and entry of vehicles.
- Time out if vehicle reverses out. A vehicle may raise the boom and then reverse out, the logic will time out and lower the boom
- Roll back protection. It is possible for a vehicle to roll backwards under the closing boom, the logic will raise the boom again until the vehicle moves forward off the closing loop.
- Facility for free exit loop detector.
- Selectable sensitivity boost. This feature automatically boosts the sensitivity to a maximum on detection of a vehicle and is used to prevent loss of detection of high-bed vehicles.



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Technical Description

The combination of our proven and reliable torque drive electric motor with a lever system represents a very simple and extremely reliable drive system. It allows for short opening and closing times without the boom arm bouncing at the end position. The lever arm system locks the boom at both end positions. In the event of a power failure, the boom arm can be lifted easily by hand. A built in spring provides counterbalance for the boom arm. The springs are factory set prior to delivery.

The Drive Unit

The barrier is driven by a torque motor. The torque motor is designed for alternating current and does not require limit switches or a friction clutch. Its' maintenance-free and can be stalled in any position without causing any damage to the motor. The barrier is factory wired, tested, ready to connect and supplied with all necessary mounting accessories.

The Housing

The housing is manufactured from 2 mm zinc plated sheet then phosphate and powder coat finished for maximum protection against corrosion. The housing is supplied in a White Gloss finish as standard. Other colours are available on request, at extra cost.

Boom Arm

Barriers may be supplied with the barrier boom fitted to either the right or left hand side. The barrier boom is a round profile of 75 x 1.6 mm and finished with a white powder coat then applied with bright red reflective tape strips.

Technical Data:

Drive Unit Torque Motor
Voltage 240 Volt
Frequency 50 Hz
Power Consumption 120 Watts
Open / Close Time 2.7-5 sec
Maximum Boom Length 6000mm
Housing: Height 1000mm
Width 300mm
Weight 45kg

For more information about this product or to arrange a practical demonstration of our range of Automation products contact

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