

BCSI-HV INDUSTRIAL SLIDE GATE OPERATOR

VARIABLE SPEED

For openings from 15 to 45 feet
Special order for openings from 45 to 100 feet

PRODUCT SPECIFICATION

FEATURES:

- 100% Made in Canada
- Heavy duty aluminum cabinet
- Programmable Logic Controller
- Available input voltage 240 single phase, 208/600 VAC three phase
- Adjustable torque limiter
- Thermostat controlled heater
- Opening/Closing speed of 12"/sec (std)
- Opening/Closing speed of 24"/sec (option)

The BCSI-HV variable speed industrial slide gate operator, is designed to control large and heavy gates where there's a demand for high cycles. All components are heavy duty to ensure reliability and long life, making this operator one of the most reliable on the market. This slide gate operator is ideal for controlling access to commercial and industrial locations.

A disengaging mechanism allows manual closing or opening of the gate in case of power failure. Disengaging the mechanism won't affect the limit switches.

The cabinet is built in aluminum and is totally welded so that it gives a weather proof NEMA 3R cabinet. The door has a sealing gasket, a high security handle with door lock and a stainless steel strap hinge.

The aluminum control box is located inside the cabinet and included all necessary electrical components for operating the gate. A programmable logic controller



manages information and controls the gate. It allows many possibilities for gate control and it can give a lot of data about the gate's status. An adjustable timer, from 0 to 60 seconds, closes the gate when in automatic operating mode. A second timer stops the gate after the maximum opening/closing movement time is reached. The gate can be activated by push-buttons, remote control, keypad, card reader or any other similar device. Also, all security devices such as safety edges, loops and photoelectric cell can be connected to the control panel.

A control panel is installed in a NEMA 4 certified box. This gives a supplementary protection for all electrical components and reduces the risk of accidents during mechanical work on the gate. Inside the box, many connectors allow wiring of auxiliary components. A programmable logic controller manages information and controls the gate. It allows many possibilities for gate control and it can give a lot of data about the gate's status.

A large range of options, which can be controlled by the BCSI-HV operator, is available like traffic lights, red LED lights, master-slave control of gates and alarm signals management.

BCSI-HV INDUSTRIAL SLIDE GATE OPERATOR



TECHNICAL DATA SHEET

MODEL

- BCSI
- BCSI-HV (variable speed)

GENERAL

Heating	150 Watt heating element Controlled by thermostat
Cabinet	Aluminum, 1/8" thick
Locking.....	Door locks
Rain protection	NEMA 3R cabinet
Opening/Closing speed	
BCSI	12"/sec
BCSI-HV	24"/sec
Max. delay with timer	0 to 60 seconds
Manual movement.....	Disengaging mechanism
Frequency drive	
BCSI-HV	Altivar

ELECTRICAL

PLC.....	Omron CPM1L
Motor	1 HP, 1.5 HP, 2 HP
Voltage	240 V, single phase
Voltage	208/600 V, three phase
Motor type	TEFC
Limit switches	Quick action switch
Operating mode.....	Manual or automatic timer- to-close
Auxiliary wirings	24 VAC, 40 VA 120 VAC, 180 VA
Motor protection	Telemechanics Thermal protection relay
Gate status	Reading by LED
Loop detection	Two connectors

MECHANICAL

Gearbox	Worm type
Gearbox ratio	40 : 1
Torque limiter	Adjustable with two friction disks
Rust protection	Yellow zinc

MOTOR HP RECOMMENDATIONS

1 HP	For gates up to 150 square feet area
1.5 HP	For gates of 150 to 200 square feet area
2 HP	For gates to more than 200 square feet area

ENVIRONMENT

Operating temperature	-40°C to + 50°C
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PHYSICAL

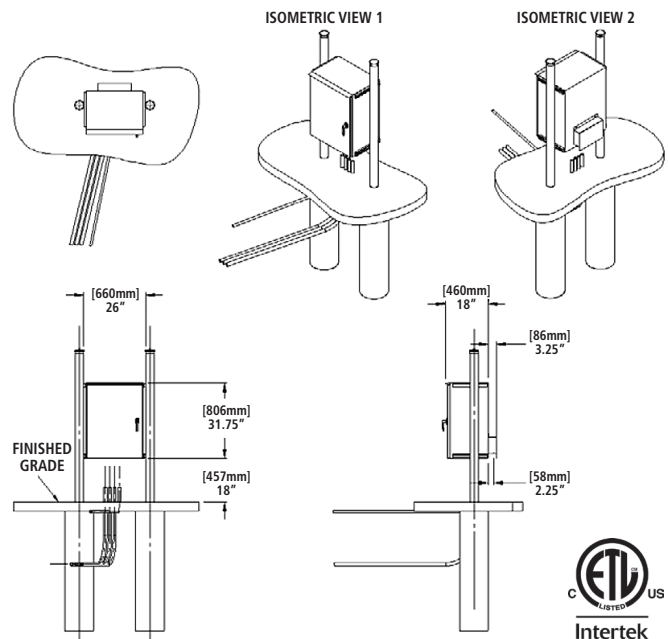
Mass	105-110 kg 231-242 lbs
Dimensions	660 mm x 457 mm x 815 mm 26" x 18" x 32"

INTERTEK ETL LISTED

- Certified CSA 22.2 #. 247-92 (R2008)
- Conforms to UL325 5th edition, October 8, 2009

OPTIONS

- Cabinet insulation
- High performance aluminum insulating foil
- PLC management
- Traffic lights
- Red LED lights
- Alarm signals
- Two gates in master/slave
- Controls.....
- Remote control
- Bypass key
- Card system
- Push buttons
- Intercom/interphone



Product specifications and availability subject to change without notice.