

# GDI

## HAML-RCH

### Hollow Shaft Operator

## Direct Drive and Jackshaft

High Speed, Heavy Duty, High Cycle

Commercial and Industrial Door Operator

### Features

- 1" or 1 ¼" hollow shaft
- Fast open and close speeds independently set
- High cycle- up to 5,000 open/close cycles/day
- Adjustable timer to close up to 240 seconds
- Smooth movement open/close movement
- On site speed adjustment capability
- Double shielded stainless steel bearings
- One operator can handle all AC voltages - Single phase and three phase; 115, 208, 230, 460, 575; 50/60 Hz
- Battery backup – Provides for operation if AC power is lost
- Electronically set door open and close limits - No mechanical switches
- PositionTrak™ tracks and remembers door open/close position with or without power – No re-setting of limits once installed
- UL325 compliant (Optional)
- UL/ULC listed
- Automatic calibration for door size and weight
- Electronic clutch
- Eight inputs (open, close, stop, safety, open/close, UL325 [optional], door lock) site modifiable
- Side mount bracket or Torsion support
- NEMA1 or NEMA4 control panel (NEMA1 shown)

### Benefits

- Ultra quiet operation - No transmitted noise into building
- Soft start/stop - Reduces mechanical stress on door and components
- GearMotors are sealed and require no maintenance.
- Aluminum GearMotor body can withstand corrosive and toxic environments.
- These powerful operators work equally well in wet and in cold temperature environments.
- Electronic clutch – Prevents damage to arms when locked
- Obstruction sensing throughout the close cycles

### Applications

Car wash, Cold storage, Pharmaceutical, Food facility, Shutter, Agricultural, Rolling steel, Grilles, Trolley, Hangar door, High speed fabric, Condominium, Parking garage, High speed and medium speed horizontal doors and more ....



| CHARACTERISTICS  | HAML-RCH   |
|--|--|
| Dimension  | 16" x 4.3" x 4.3"  |
| Motor type   | Brushless DC   |
| Voltage selection (AC) - Single phase or three phase                 | 115, 208, 230, 460, 575<br>50/60 Hz                          |
| Max Cycles (open/close) per day                                      | 5,000  |
| Limit switches   | Electronically Set Limits                                    |
| Calibration  | Automatic/Manual Jog   |
| Position tracking  | 40-day PositionTrak™   |
| UL325  | Available  |
| Re-open after obstruction  | Yes; Adj delay 0 to 20 sec.                                  |
| Weight (lbs.)  | 30 (Gearmotor)   |
| Power for accessories  | 24 VAC 1 Amp.<br>24 VDC 1.5 Amp.                             |
| Battery indication   | Yes  |
| Solar power capable  | Yes  |
| Adjustable force based obstruction sensing on close (Non UL325 only) | Yes  |
| Timer to close   | Yes (0 to 240 sec.)  |
| Mechanical Noise isolation   | Not required, Ultra quiet motor                              |
| Controls at eye level  | Yes  |
| Eye level LCD readout for cycle count status                         | Yes  |
| Programmable inputs and outputs                                      | Yes  |
| Inputs   | 8  |
| Outputs  | 3  |
| Maintenance free sealed motor  | Yes  |
| Obstruction Sensing  | Yes  |
| Delay to close   | Yes  |
| Delay to re-open   | Yes  |
| Energy mgmnt. (min. heat dissipation)                                | Yes  |
| Door lock on panel   | Yes  |
| Ease of installation   | Colour coded wires, Polarized connectors, LCD status display |
| UL/ULC controller  | Yes  |
| UL/ULC panel   | Yes  |
| UL/ULC motor   | Yes  |
| Onboard system status messages                                       | Yes  |
| Family members   | HAML-RBH, RCH, RDH, HR-10                                    |

## Add-on features

Can be ordered any time for field upgrade

- Battery backup
- Chain hoist
- Chain hoist with brake
- Solid shaft adaptor 1" x 3" with keyway
- Solid shaft adaptor 1.25" x 3" with keyway
- Custom Shaft adaptor (1 1/2" etc..)
- Traffic light control, (loop sensors)
- Photo-eye
- Wireless Receiver and Transmitters

Available with operator order only

- UL-325 with NEMA4 photo-eye
- Optical isolation for electrically noisy environments
- 1" or 1 1/4" hollow shaft
- NEMA4 16" H x 14" W x 8" D panel
- Optional buttons (Front Panel Open, Close, Stop) for NEMA1 and NEMA4 panels
- Panel mounted Key Switch

## Power

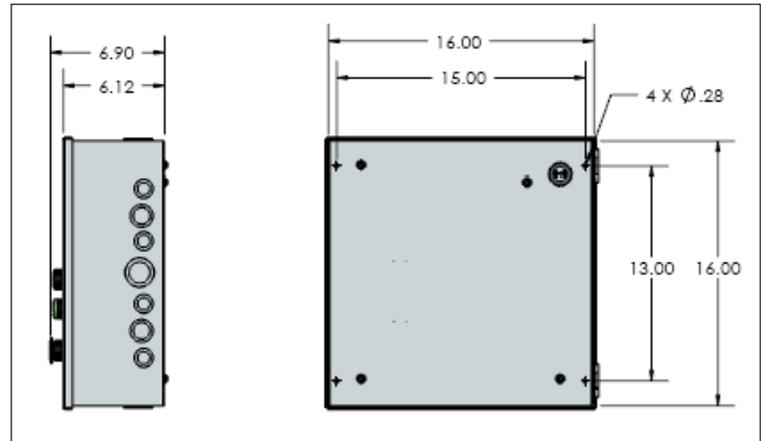
- Brushless, DC, high reliability, high efficiency and low maintenance motor
- Each operator can be connected to any of the following AC voltages; 115, 208, 230, 460, 575VAC single/three phase, 50/60Hz
- Battery backup add on - Intelligent, internal battery charger
- 24 VAC 1 Amp for external devices
- 24 VDC 1.5 Amp for external devices

## Duty Cycle and Speed

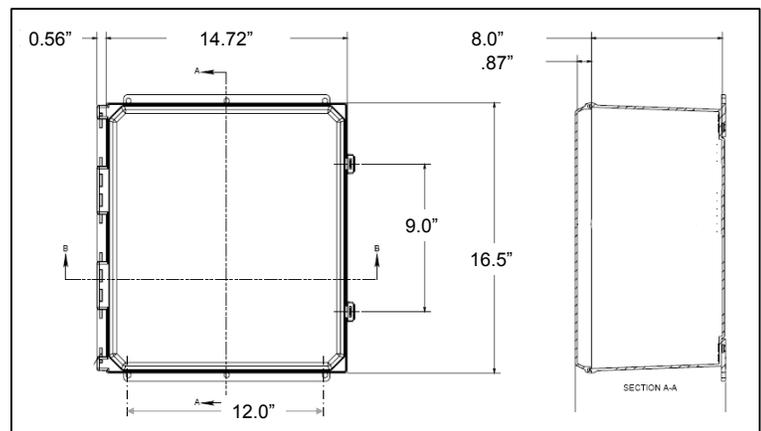
| Open/close cycles/day | Max . speed RPM |
|-----------------------|-----------------|
| 5,000                 | 115             |

Distributed/Sold by:

## Control Panel

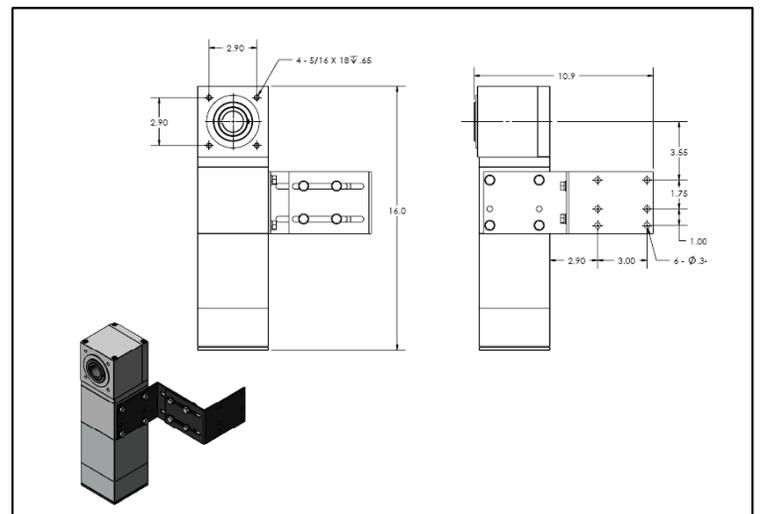


NEMA1 Panel (with optional open, close, stop buttons)



NEMA4 Panel (optional)

## GearMotor™ Mounting



GDI reserves the right to modify the contents without prior notification.

## Gates and Doors Inc.

60 Ferrier St., Markham, Ontario, Canada, L3R 2Z5

[www.gatesanddoorsinc.com](http://www.gatesanddoorsinc.com) sales@gatesanddoorsinc.com

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