

GCL-LJ

LIGHT-DUTY JACKSHAFT OPERATOR



The GCL-LJ is designed for standard, high, vertical-lift, and sheet door and security shutters that have up to a 15-cycle/hour and less than a 30-cycle/day requirement. Designed for reliability with leading innovative features, the light-duty jackshaft sets a new standard in the industry.

UL 325 Listed

- Allows for monitored entrapment protection and momentary operation when used with select monitored entrapment devices.
- See back for examples of monitored devices.

GCL-LJ Advantages

- Intellicode® 315/390 MHz receiver can store up to 255 standard and/or open/close/stop transmitters.
- Soft start and stop reduces stress on the door and operator for improved life.
- Safe-T-Pulse® - Internal cable slack detection eliminates external cable monitoring devices and reverses door travel when cable tension isn't detected for safety.
- Operator force profile detects irregularities in operation of the door to identify unsafe door operation. The force profile is updated every cycle to account for changes in weather and temperature.
- Precision sealed roller bearings on output shaft for improved power transfer.
- Interlock circuit with pre-installed jumper.
- Output shaft coupler utilizes six set screws with threadlocker to reduce shaft slippage and screw back outs.
- Output shaft coupler can be used on 1" hollow or solid door shafts with 1/4" keyway.
- Optional LED worklight toggleable via stop button on Open/Close/Stop control station.
- Small operator profile of 12" length by 6.9" width allows for use in tight applications. Only requires 2.5" of headroom clearance and 7" of side room clearance to be used.



GCL-LJ Models

- Sectional Doors
OPGLDJ0011S
- Sheet Doors
OPGLDJ0011RLS - Live / Direct Shaft Couple
OPGLDJ0011RDS - Dead Shaft / Chain Couple
- Shutter Doors
OPGLDJ0011RSH - Shutter Door / Direct Shaft Couple

Standard Features

- Easy push to set limits.
- UL 325 Listed.
- Automatic open and close door force settings.
- Open/Close/Stop control station.
- Programmable mid-stop.
- Time-to-close can be set at pre-defined values between 0 seconds and 5 minutes.
- Pull cord release for emergency manual operation.
- 2-year/20,000-cycle limited warranty.
- Commercial photocells.
- 7.5 in/sec door speed in both directions in most applications.
- Operational on doors up to 14 ft. tall with up to 84" of high-lift, 18 ft. wide, 180 sq ft., and 850 lbs.
- Operational on sheet doors up to 16 ft. tall dead-shaft, up to 10 ft. tall live-shaft, and up to 12 ft. security shutters.

For more information on patents related to this product, visit <https://www.geniecompany.com/patents>.

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OPENER
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GCL-LJ | LIGHT-DUTY JACKSHAFT OPERATOR

MAX DOOR SIZE (SQ*FT) - SECTIONAL																		
Door Series		Commercial Steel Insulated & Non-Insulated								Thermospan®				ThermoMark™			Aluminum	
		216	216 Ins.	220	220 Ins.	2415	2415 Ins.	2411	2411 Ins.	125	150	200	200-20	530	5150/ 5155	5200/ 5255	451/ K-AL	452/ 464 / K-AL
		Flush		Ribbed						Insulated				Insulated				
HP/ Voltage	Max Door Wt. (lbs)	16GA.	16GA. Ins.	20GA. Steel	20GA. Ins.	24GA.	24GA. Ins.	Nominal 24GA.	Nominal 24GA. Ins.	PU-FIP	PU-FIP 1.38"	PU-FIP 2"	PU-FIP 2" 20GA. Ext.	PU-FIP Raised Panel 1.38"	PU-FIP Raised Panel 1.38"	PU-FIP Raised Panel 2"	1/8" Glass 1.38"	1/4" or 1/2" Glass 1.38"
24 V DC	850	180	172	180	180	180	180	180	180	180	180	180	180	180	180	180	180	180

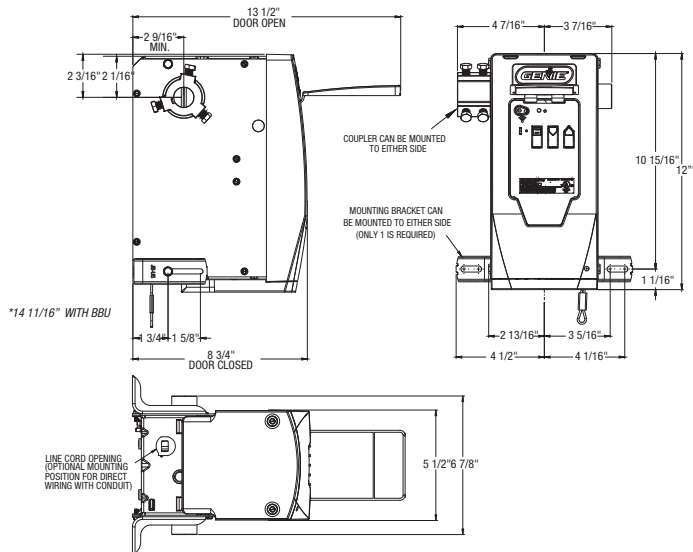
MAX DOOR SIZE (SQ*FT) - ROLLING																								
Door Series		Steel Non-Insulated						Steel Insulated			Counter Doors		Grilles		FireStar® 2" Slat ⁴		FireStar® 3" Slat ⁴				FireStar® 3" Slat Insulated ⁴		Shutters	Sheet
HP/ Voltage	Max Door Wt. (lbs.)	16 GA.	18 GA.	20 GA.	22 GA.	24 GA.	26 GA.	18 GA.	20 GA.	22 GA.	Aluminum	STL/ SST	Aluminum	STL/ SST	20 GA.	22 GA.	16 GA.	18 GA.	20 GA.	22 GA.	20 GA.	22 GA.	Aluminum	26 GA.
24 V DC	850	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	121	100

- Notes: 1. Max Door Weight and not the square footage, is the critical factor in selecting the proper operator.
2. Max Door Height 24"
3. For "Commercial Steel Insulated" category, various "backer" options are available. The chart above is based in all cases on the thickest backer available.
4. "PU-FIP" stands for "polyurethane, foamed-in-place." If no notation is present, insulation is "polystyrene laid-in-place."
5. GCL-LJ is UL Listed

Construction

- Motor**
Quiet, powerful 24 VDC with usage-based thermal shutdown.
- Drive**
Primary — Integrated worm gear in motor.
Secondary — Internal chain and sprocket.
- Emergency Disconnect**
Drive shaft disconnection for emergency manual operation.
- Pre-wired to accept:**
 - Single or 3-button control stations.
 - External interlock switch.
 - Monitored photoeyes.
- Amperage Rating**
120 VAC at 4 A.
- Power Cord**
6 ft, three prong power cord.

AMPERAGE RATING 1 PH 60Hz	
HP	120 VAC
1/2	4



Accessories and Options

- Optional Battery Backup (P/N: 41152R)**
Can be easily installed later. Not required to lift heavy doors.
- Optional Aladdin Connect® (P/N: 41153R)**
Operate and monitor the door from almost anywhere via a smart device. LED light fixture must be installed for remote operation.
- Optional Electric Door Lock (P/N: 41149R)**
Automatically retracts lock before motor operation and activates the lock when reaching the close limit. Hole pattern made to fit many manual slide lock patterns without drilling track. Screw terminals for clean cable dressing.
- Optional LED Light Fixture (P/N: 41151R)**
Round light reduces need to align during install. Cord can be hidden inside of the light fixture rim for cleaner installation. Must be installed for Aladdin Connect® operation.
- Optional 1:1 Sprocket Extension Kit (P/N: 40803R)**
Allows for indirect coupling to the operator if there are obstructions present that inhibit direct coupling.
- Optional Power Extension Kit (P/N: 41194R)**
Provides full power to the operator with 30 ft. of Class II low voltage cable when there isn't an outlet available within 5 ft. of opener.
- UL 325 Approved Reversing Devices**
The installation of a monitored external entrapment device is required for momentary contact close operation on all commercial door operators. The following devices, when purchased through Genie, are UL Approved for use to meet this requirement:
 - Safe-T-Beam® Photoeye Kit with adjustable bracket (P/N: 38176R.S).¹
 - Impact-protected Commercial Photoeye Kit (P/N: OPAKPE2.S).
 - Retro-reflective NEMA 4X Photoeye Kit (P/N: OPGAKRPN4X.S).
 - NEMA 4X Photocells (P/N: OPAKPEN4GX.S).
 - MillerEdge ME/MT/CPT (DC or T3) 2-wire edge sensor. Must be used with TCM (OPABTCGX.S), ESM (OPABESX.S), or Interface Module (OPAKMEIGX.S).
 - Monitored Light Curtains
 - 3 ft. length (P/N: OPAKMLC3.S).
 - 6ft. length (P/N: OPAKMLC6.S).
 - Light curtain mounting brackets (6 total) (P/N: 112809.0001.S).
 - Requires power pack for operation (P/N: 0002278).

¹ — Default device when operator is ordered.

