

GCL-T

STANDARD-DUTY TROLLEY OPERATOR

GENIE® COMMERCIAL OPERATORS



The GCL-T is designed for standard lift sectional doors that have a 30-cycle/hour or less duty requirement. Advanced features and robust mechanical design combine to provide a standard-duty operator that sets a new standard for productivity.

UL325-2010 APPROVED

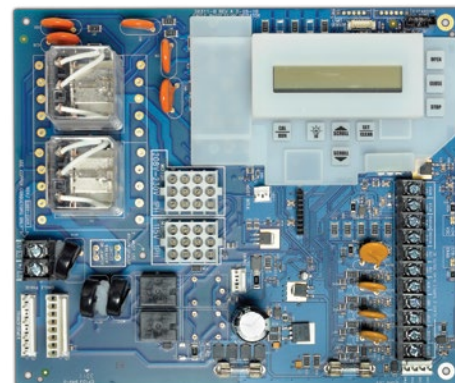
- Allows for monitored entrapment protection and momentary operation when used with select photo eyes and/or edge-sensing devices.
- See back for approved list of monitored devices.

GCL-T Advantages

- MultiVolt™ - Order phase specific operator for the job and have the ability to select the right voltage on the job site.
 - Single Phase: 115/208/230 VAC
 - Three Phase: 208/230/460 VAC
 - 575VAC voltage models available separately
- Modular design with optional expansion boards for advanced timer to close, and auxiliary output functionality.
- LCD display with intuitive setup menu. Provides real-time status and trouble-shooting assistance.
- Internal receiver with ability to individually add/delete up to 50 Intellicode® I transmitters directly from LCD display..
- EZ Limit™ provides for push to set limits that remain synchronized with door even during long term loss of power.
- TensiBelt™ primary drive reduction eliminates need to adjust belt tension.
- Open/close/stop and setup keys included on control board. Keeps all controls near the LCD display convenient for set up.

Standard Features

- 11.5 inches per second door speed.
- EZ Limit™ electro-mechanical limits.
- MultiVolt™ voltage simplification.
- Max run timer automatically adjusts to up and down run time.
- TensiBelt™ primary reduction.
- Delay on reverse.
- 16-character LCD display.
- UL325-2010 approved.
- Advanced radio receiver displays and stores activation by transmitter ID number on the LCD screen.
- 3-button control station.
- 2-year/20,000-cycle warranty.
- Programmable mid-stop.
- Drawbar disconnect for emergency manual operation.



COMMERCIAL LINE

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GCL-T operators are covered by the following U.S. patents: 6737823, 7878931, 8014966, 8113263

GCL-T | STANDARD-DUTY TROLLEY 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	5150	5200	451	452
		Flush		Ribbed						Insulated				Insulated			
Model	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 2"	1/8" Glass 1.38"	1/4" or 1/2" Glass 1.38"
1/2 HP	1120	256	220	370	256	440	340	320	320	256	360	400	300	400	380	360	240
3/4 HP	1370	330	256	440	310	530	400	320	320	256	450	450	370	460	440	400	330
1 HP	1620	380	280	500	370	570	410	320	320	256	480	480	420	500	480	400	400

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."

Construction

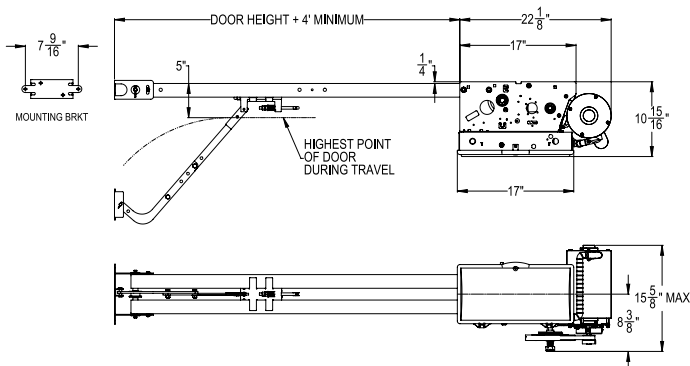
- Motor**
 AC continuous-duty motor. Motor replaceable without changing limits. Thermally protected.
- Drive**
 Primary — TensiBelt™ auto tensioning poly-V J belt.
 Secondary — chain and sprocket reduction.
- Brake**
 24VDC disc brake standard on 3/4 and 1 HP models; option on 1/2 HP models.
- Friction Clutch**
 Adjustable clutch to help protect against door and operator damage.
- Precision Radial Ball Bearings**
 Included in critical areas throughout the powertrain.
- Rail Assembly**
 2" heavy-gauge roll formed angle with nylon chain guides.
- Emergency Disconnect**
 Drawbar disconnect via pull cord for manual operation of door.
- Pre-wired to accept:**
 - Monitored entrapment device such as photo eyes.
 - Single or 3-button control stations.
 - External interlock switches.

Accessories and Options

- Timer to Close Module**
 Timed close set via the LCD display from 2 seconds up to 5 minutes. Includes pre-close warning contacts, timer hold input, auxiliary open input, normally closed safety input, and monitored edge input.
- Auxiliary Output Module**
 Provides relay contacts at the open, close, and mid-stop limits. Contacts for 5-minute lamp, and "ADA" contacts set via LCD display to warn during opening, closing or both.
- Intellicode® I Transmitters**
 Available in single up to four button, or open/close/stop models.
- Environmental Modifications**
 Totally enclosed non-ventilated, or fan-cooled motors available - Must be ordered from the factory. Nema 4 or Nema 4X environmental modifications - Must be ordered from the factory.
- UL325-2010 Approved Reversing Devices**
 The installation of a monitored external entrapment device is required for momentary contact close operation on all commercial door operators. Only 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.S¹
 - Impact-protected Commercial Photoeye Kit P/N OPAKPE.S
 - MillerEdge ME/MT/CPT (DC or T3) 2-wire edge sensor. Must be used with TCM (OPABTCGX.S) or Interface Module (OPAKMEIGX.S).
 - Nema 4 Photoeyes P/N OPAKPEN4GX.S

¹ — Default device when operator is ordered.

AMPERAGE RATING - 60Hz							
HP	115V 1Ø	208V 1Ø	230V 1Ø	208V 3Ø	230V 3Ø	460V 3Ø	575V 3Ø
1/2	10	5	5	3	3	3	2
3/4	11	6	6	3	4	3	2
1	14	7	7	4	4	3	2



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