



Features	Residential Gate Operators					Elite® Series DC Commercial Gate Operators		Heavy-Duty DC Commercial Gate Operators	
Model Number	LA400PKGUL	LA412PKGUL	LA500PKGUL	RSL12UL	RSW12UL	CSL24UL	CSW24UL	HDSL24UL	HDSW24UL
Description	24VDC Linear Actuator	12VDC Solar Linear Actuator	24VDC Residential/Light Commercial Linear Actuator	12VDC Residential/Light Commercial Slide Gate Operator	12VDC Residential/Light Commercial Swing Gate Operator	24VDC High-Traffic Commercial Slide Gate Operator	24VDC High-Traffic Commercial Swing Gate Operator	24VDC Heavy Duty Commercial Slide Gate Operator	24VDC Heavy Duty Commercial Swing Gate Operator
Max. Gate Weight	850 lbs.	850 lbs.	1600 lbs.	800 lbs.	1000 lbs.	1500 lbs.	1600 lbs.	3000 lbs.	2800 lbs./4500 lbs. w/optional arm (HDLGARM)
Max. Gate Length	16 ft.	16 ft.	18 ft.	25 ft.	16 ft.	50 ft.	18 ft.	75 ft.	22 ft. @ 2500 lbs. 14 ft. @ 4500 lbs.
Gate Speed	90° in 15–17 sec.	90° in 23–24 sec.	90° in 15–17 sec.	10"/sec.	90° in 12–15 sec.	12"/sec.	90° in 13–15 sec.	6–12" /sec.	90° in 13–36 sec.
Recommended Cycles	100 cycles	100 cycles	300 cycles	120 cycles	250 cycles	Continuous Duty	Continuous Duty	Continuous Duty	Continuous Duty
Battery Backup	400 cycles	Not Applicable - Solar	500 cycles	114 cycles	147 cycles	208 cycles	146 cycles	45 cycles	45 cycles
Security+ 2.0®	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
myQ® Enabled	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Monitored Safety Inputs (Color Coded)	3 Inputs	3 Inputs	6 Inputs (Main and Expansion Board)	3 Inputs	3 Inputs	6 Inputs (Main and Expansion Board)	6 Inputs (Main and Expansion Board)	6 Inputs (Main and Expansion Board)	6 Inputs (Main and Expansion Board)
Standby Power	Up to 97 days	Up to 126 days	Up to 24 days	Up to 63 days	Up to 63 days	Up to 24 days	Up to 24 days	Up to 120 days	Up to 120 days
Solar Performance - Cycles per Day	Approx. 81 cycles*	Approx. 100 cycles*	Approx. 43 cycles*	Approx. 33 cycles*	Approx. 41 cycles*	Approx. 22 cycles*	Approx. 16 cycles*	Approx. 12 cycles*	Approx. 14 cycles*
DC Motor with Smooth Start/Stop	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes – Brushless DC	Yes – Brushless DC
Diagnostic Code Display - 2 Digit LED	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Wireless Dual-Gate Operation	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Warranty Period	2 Years	2 Years	2 Years	3 Years	3 Years	7 Years Residential 5 Years Commercial	7 Years Residential 5 Years Commercial	7 Years Residential 5 Years Commercial	7 Years Residential 5 Years Commercial
Standard Power	115V Single Phase	Solar Power	115/230V Single Phase	115V Single Phase	115V Single Phase	115V/230V Single Phase	115V/230V Single Phase	115V/230V Single Phase	115V/230V Single Phase

*Cycles noted are for Zone 1 with a 10W solar panel (6 hours sunlight per day).

**Cycles noted are for Zone 1 with a 20W solar panel (6 hours sunlight per day).

Note: LMRRUL/LMTBUL Heater option not recommended for solar applications. Heater option diminishes Standby time and cycles for Battery Backup.

UL 325 Listed Gate Operator Feature Chart

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Features	24VDC Heavy-Duty Industrial Slide Gate Operators		Specialty	Elite® Series AC Commercial Gate Operators	
Model Number	INSL24UL	IHSL24UL	HCTDCUL	CSW200UL	SL3000UL
Description	24VDC Slide Gate Operator	24VDC Slide Gate Operator	Specialty Overhead Operator	AC Commercial High-Traffic Swing Gate Operator	AC Commercial High-Traffic Slide Gate Operator
Max. Gate Weight	2200 lbs.	5500 lbs.	1000 lbs.	1/2 HP 1600 lbs. 1 HP 2000 lbs.	1/2 HP 1000 lbs. 1 HP 2000 lbs.
Max. Gate Length	70 ft.	90 ft.	16 ft. Door/Gate	1/2 HP 18 ft. 1 HP 22 ft.	1/2 HP 50 ft. 1 HP 50 ft.
Gate Speed	6–12"/sec.	6–12"/sec.	8"-11"/sec. (selectable)	90° in 13–15 sec.	12"/sec.
Recommended Cycles	Continuous Duty	Continuous Duty	Continuous Duty 8, 10 & 12 ft. rails; 600 cycles on 14 & 16 ft. rails	Continuous Duty	Continuous Duty
Battery Backup	55 cycles	20 cycles	112 cycles	-	-
Security+ 2.0®	Yes	Yes	Yes	Yes	Yes
myQ® Enabled	Yes	Yes	Yes	Yes	Yes
Monitored Safety Inputs (Color Coded)	6 Inputs (Main and Expansion Board)	6 Inputs (Main and Expansion Board)	6 Inputs (Main and Expansion Board)	6 Inputs (Main and Expansion Board)	6 Inputs (Main and Expansion Board)
Standby Power	Up to 120 days	Up to 120 days	Up to 72 days	-	
Solar Performance - Cycles per Day	Approx 20 cycles**	Not Recommended	Approx 11 cycles*	-	
DC Motor with Smooth Start/Stop	Yes - Brushless DC	Yes - Brushless DC	Yes	-	-
Diagnostic Code Display - 2 Digit LED	Yes	Yes	Yes	Yes	Yes
Wireless Dual-Gate Operation	Yes	Yes	Yes	Yes	Yes
Warranty Period	5 Years	5 Years	5 Years Commercial	7 Years Residential 5 Years Commercial	7 Years Residential 5 Years Commercial
Standard Power	115V/230V Single Phase	115V/230V Single Phase	115V/230V Single Phase	115V Single Phase	115V Single Phase

*Cycles noted are for Zone 1 with a 10W solar panel (6 hours sunlight per day).

**Cycles noted are for Zone 1 with a 20W solar panel (6 hours sunlight per day).

Note: LMRRUL/LMTBUL Heater option not recommended for solar applications. Heater option diminishes Standby time and cycles for Battery Backup.

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