INSL24UL

24VDC Industrial
Slide Gate Operator
Section 32 31 00

DATA SHEET

Key Features

Steel Cabinet	Weatherproof 14 gauge, NEMA 3R steel cabinet
Battery Backup	Yes
Remote Control Access	Security+ 2.0® 3-channel receiver will handle up to 50 remote controls (unlimited remotes with B11LMX/B13LMX)
Internet Connectivity	myQ® Facility cloud connection and myQ capability for secure monitoring and control of gate operator from anywhere*
Monitored Safety Devices	6 inputs (main and expansion board)
Solar-Power Capabilities	Yes
Diagnostic Display	LED diagnostic display
Wireless Dual-Gate Communication	Eliminates expensive conduit costs and unsightly driveway scars
Dual-Gate Control	Bi-part delay or synchronized close
Fire Department Compliant	Allows gate to auto open upon loss of AC power or battery depletion; includes manual release
Limit Setting	Electronic
Diagnostic Display	LED diagnostic display
Programable Auxiliary Relays	2 programmable auxiliary relays accommodate more accessories such as warning lights/alarms
Unauthorized Access Prevention	Can be programmed with anti-tailgate or quick close capabilities
Homelink® Capability	Version 4 or higher

Specifications

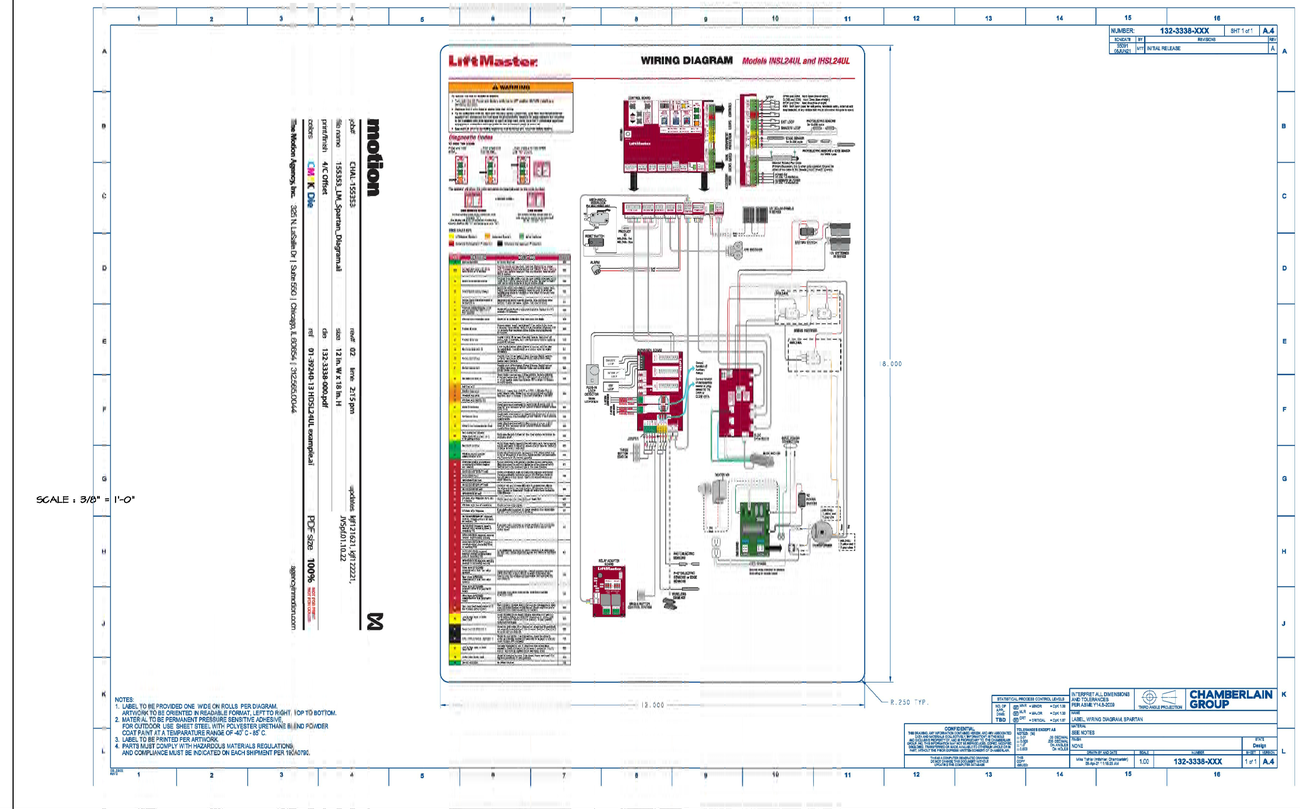
Operator Speed	0.5 ft./sec. to 1 ft./sec
Power	120/240VAC single phase, optional 3 phase kit for 208/230/460VAC and 575VAC
Accessory Power	24VDC 1 A max. output; switched and unswitched power
Operator Weight	129 lbs.
Warranty	5 years
Temperature Specification	Without heater -4°F (-20°C) to 140°F (60°C); with optional heater: -40° F(-40°C) to 140°F (60°C)
UL Usage Classification	II, III, IV

Construction

Motor	24VDC brushless motor with soft start/stop
Operator Duty Rating	Continuous-duty
Chassis/Frame	Constructed with 1/4 in. powder coated steel for rust prevention
Gear Reduction	Direct drive 40:1 gear ratio
Cover/Cabinet	Powder-coated, 14 gauge steel cabinet, oil tight, weatherproof NEMA 3R lockable cabine
Chain	#40
Recommended Capacities	Rated for gates up to 70 ft. in length and weighing up to 2200 lbs.

*When linked with a myQ Facility capable access control. Cellular data or Wi-Fi® connection required

LiftMaster
POWERED BY myQ

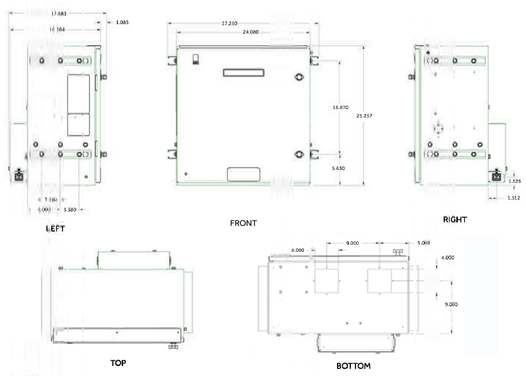


INSL24UL

24VDC Heavy-Duty
Industrial Slide Gate Operator
Section 32 31 00

DATA SHEET

Dimensions

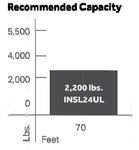


Capacity

Battery Backup Operation

Battery	Cycles	Standby Time
7Ah	55	105 Days
33Ah	170	180 Days

Recommended Capacity



© 2023 The Chamberlain Group LLC. All Rights Reserved. myQ®, the myQ® logo.
LiftMaster, the LiftMaster logo, are registered trademarks of the Chamberlain Group LLC.
LiftMaster.com
LMA1MINDDRVRL 6/23

LiftMaster
POWERED BY myQ

Features	Residential Gate Operators					Elite® Series DC Commercial Gate Operators		Heavy-Duty DC Commercial Gate Operators	
Model Number	LA400PKSSUL	LA412PKSSUL	LA500PKSSUL	RSL12ULS	RSW12UHS	CSL24ULS	CSW24ULS	HDSL24ULS	HDSW24ULS
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.	1500 lbs.	800 lbs.	1000 lbs.	1500 lbs.	1600 lbs.	3000 lbs.	2400 lbs. (40.0 ft. keyphoto area AWG 14/18)
Max. Gate Length	16 ft.	16 ft.	13 ft.	25 ft.	16 ft.	50 ft.	16 ft.	25 ft.	25 ft. @ 2700 lbs. 16 ft. @ 4000 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 13–16 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	142 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 83 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. 15 cycles*	Approx. 12 cycles*	Approx. 14 cycles*
DC Motor with Smooth Start/Stop	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes (Residential DC)	Yes (Residential 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
For specifications and information on all our products, visit LiftMaster.com/TOTALPAS

© 2023 The Chamberlain Group LLC. All Rights Reserved. myQ®, the myQ® logo.
LiftMaster, the LiftMaster logo, are registered trademarks of the Chamberlain Group LLC.
LiftMaster.com
LMOTCTOCGSMC21 11/23

LiftMaster
POWERED BY myQ

THE ABOVE DRAWINGS AND SPECIFICATIONS, AND IDEAS, DESIGNS, AND ARRANGEMENTS REPRESENTED THEREBY, ARE AND SHALL REMAIN THE PROPERTY OF THE ENGINEER. NO PART THEREOF SHALL BE COPIED, DISCLOSED TO OTHERS, OR USED IN CONNECTION WITH ANY WORK OR PROJECT OTHER THAN THE SPECIFIED PROJECT FOR WHICH THEY HAVE BEEN PREPARED AND DEVELOPED WITHOUT THE WRITTEN CONSENT OF THE ENGINEER. VISUAL CONTACT WITH THESE DRAWINGS OR SPECIFICATIONS SHALL CONSTITUTE CONCLUSIVE EVIDENCE OF ACCEPTANCE OF THESE RESTRICTIONS. WRITTEN DIMENSIONS ON THESE DRAWINGS SHALL PREVAIL OVER SCALED DIMENSIONS. CONTRACTOR SHALL VERIFY AND BE RESPONSIBLE FOR ALL DIMENSIONS AND CONDITIONS ON THE JOB AND THIS OFFICE MUST BE NOTIFIED OF ANY VARIATIONS FROM THE DIMENSIONS AND CONDITIONS SHOWN ON THESE DRAWINGS BEFORE PROCEEDING WITH SUBMITTED TO THIS OFFICE FOR APPROVAL BEFORE PROCEEDING WITH FABRICATION.

PORTER & ASSOCIATES, INC.
ENGINEERING & SURVEYING
1707 Eye Street Suite 111, Bakersfield, California 93301
661-327-0392

FRED W. PORTER II

PROJECT ENGINEER: MVC
DRAFTSMEN: LGH
PA REVIEW BY:
DATE:

REGISTERED PROFESSIONAL ENGINEER
FRED W. PORTER II
RCE 74059
CIVIL
STATE OF CALIFORNIA

RETAINING WALL PLANS
222 34th STREET
BAKERSFIELD CITY SCHOOL DISTRICT
GATE OPENER DETAILS

REVISIONS

DATE 08/07/2024
PA JOB No. 3306

SHEET
11
OF 11 SHEETS

J:\3306\Improvements\Wall Plans\3306_WALL-Cover-Sheet.dwg 08/07/24 matthewcarson