

HDSW24UL

24VDC HEAVY-DUTY VARIABLE SPEED SWING GATE OPERATOR

Ideal for heavy gate and extreme applications.



CONTINUOUS DUTY OPERATION

DIRECT DRIVE GEAR BOX AND BRUSHLESS DC MOTOR
up to 6 million cycles

MOVE HEAVY GATES
up to 4,500 lbs. or 22-ft. length †

RELIABLE

CONTINUOUS-DUTY OPERATION BUILT WITH A CUSTOM HEAVY-DUTY GEAR BOX, SIZE 60, DIRECT DRIVE 1,600:1 GEAR RATIO.

CUSTOM 1.5 HP PEAK BRUSHLESS DC MOTOR DELIVERS UP TO 6 MILLION CYCLES.

VARIABLE CYCLE SPEED ADJUSTS TO MEET APPLICATION NEEDS FROM 10 TO 25 SEC. FOR A 90-DEGREE OPENING.

SMOOTH START/STOP OPERATION AND MID-TRAVEL REVERSAL EXTEND OPERATOR HARDWARE LIFE.

STANDARD ARM (INCLUDED) MOVES GATES UP TO 2,800 LBS.

CUSTOM REINFORCED LONG ARM (OPTIONAL) MOVES GATES UP TO 4,500 LBS.

SMART

myQ® BUSINESS™ CLOUD CONNECTION AND myQ CAPABILITY FOR SECURE MONITORING AND CONTROL OF GATE OPERATOR FROM ANYWHERE.*

FOUR PROGRAMMABLE AUXILIARY RELAYS ACCOMMODATE MORE ACCESSORIES.

WIRELESS DUAL-GATE COMMUNICATION SYNCHRONIZES GATE OPERATION AND ELIMINATES COSTLY TRENCHING; SET SPEED INDEPENDENTLY IF NEEDED.

SAFE AND SECURE

QUICK CLOSE AND ANTI-TAILGATE QUICKLY SECURES PROPERTY, PREVENTING UNAUTHORIZED ACCESS.

POSILOCK® AUTOMATICALLY CLOSES THE GATE WHEN IT IS PUSHED FROM THE CLOSED LIMIT.

UL® LISTED GATE OPERATOR WITH MONITORED SAFETY ENTRAPMENT PROTECTION DEVICE.

*When linked with a myQ Business capable access control. Cellular data or Wi-Fi® connection required. Test equipment regularly and follow safety instructions

†Optional Reinforced Long Arm must be used to move 4,500-lb./22-ft. gates.

INCLUDED ACCESSORIES:

MONITORED RETRO-REFLECTIVE PHOTO EYE

Reliable retro-reflective photo eye with heater and wide beam, engineered to stay aligned; max. range: 50 ft.



LMRRUL

OPTIONAL ACCESSORIES:

REINFORCED LONG ARM

For heavy gate applications of 2,500–4,500 lbs., 14–22 ft.

HDLGARM

MONITORED THROUGH-BEAM PHOTO EYES

Reliable through-beam with wide beam and heater for high performance in most environments; max. range: 90 ft.



LMTBUL

MONITORED WIRELESS EDGE KIT

Low-energy Bluetooth® connection between a LiftMaster® Monitored Resistive Edge and the gate operator; max. range: 130 ft.**



LMWEKITU

MONITORED SAFETY ENTRAPMENT EDGES

Full line of Small and Large Profile Edges that sense obstructions.



EDGES

TOTAL SOLUTION ACCESSORIES:

CONNECTED ACCESS PORTAL, HIGH CAPACITY

Cloud-based access control for residential communities.



CAPXL

PLUG-IN LOOP DETECTOR

Prevents the gate from closing on a vehicle in the path; power efficient for maximum cycles on Battery Backup.



LOOPDETLM

INTERNET GATEWAY

Connects myQ-enabled Gate Operators to the Internet and enables control through the myQ App and communication to Access Control Systems for myQ Business.



828LM

**Wireless kit for up to 4 transmitters and 2 resistive edges per transmitter.

PRODUCT GUIDE HDSW24UL

24VDC HEAVY-DUTY VARIABLE SPEED SWING GATE OPERATOR

LiftMaster®

MASTERFUL ENGINEERING.

MECHANICS



- 24VDC Brushless Continuous-Duty Motor
- **Operator Duty Rating:** High-Cycle, High-Temperature Continuous Duty
- **Direct Drive**

POWER

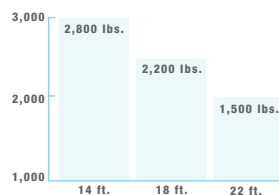
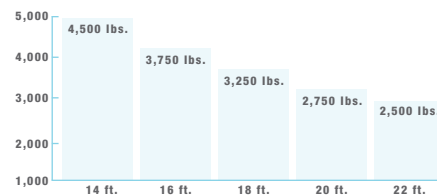


- 120/240VAC Single-Phase
- **Optional Kit (3PHCONV)** to Convert a 3-Phase Input Voltage of 208/240/480/575VAC to an Output Voltage of 120VAC
- **Solar-Ready, Ultra-Reliable System** Delivers Power When and Where You Need It (LMRRUL/LMTBUL Heater Option Not Recommended for Solar Applications)
- **Accessory Power:** 24VDC 1 A Max. Output; Switched and Unswitched Power

COMMERCIAL-GRADE DESIGN



- **Chassis:** Constructed with 1/4 in. Steel, Powder Coated
- **Cover:** High-Density, UV-Resistant Polycarbonate 2-Piece Cover for Excellent Heat and Corrosion Resistance
- **Warranty:** 5 Years Commercial, 7 Years Residential
- **UL® Usage Classification:** I, II, III and IV
- **Operator Weight:** 249 lbs.

CAPACITIES
STANDARD ARMCAPACITIES
LONG ARM

TEMPERATURE SPECIFICATIONS

WITHOUT HEATER -4°F (-20°C)	WITHOUT HEATER 140°F (60°C)
WITH HEATER (HTR) -40°F (-40°C)	WITH HEATER (HTR) 140°F (60°C)



BATTERY BACKUP OPERATION

Battery	Cycles	Standby Time
7Ah	45	120 Days
33Ah	307	180 Days



VARIABLE GATE SPEED

12-28 sec for a 90 degree opening

STANDARD FEATURES.

INHERENT REVERSING SENSOR

- Detects Obstructions and Reverses Gate When Closing or Stops/Reverses Gate When Opening

POSILOCK®

- Automatically Closes the Gate When It Is Pushed from the Closed Limit

MANUAL DISCONNECT

- Allows Gate to Be Opened Manually When Released

MONITORED SAFETY INPUTS

- 3 Main Board, 3 Expansion Board

SECURITY+ 2.0® ON-BOARD
RADIO RECEIVER

- Tri-Band 310/315/390 MHz Frequency
- Up to 50 Remote Controls (Unlimited with 811LM/813LM)

LED DIAGNOSTIC DISPLAY

- Simplifies Installation and Troubleshooting

PROGRAMMABLE AUXILIARY RELAYS

- 4 Relays Make Adding Additional Features Easy

HOMELINK® COMPATIBLE

- Version 4.0 or Higher*

*May require an external adapter depending on the model and year of your vehicle. Visit HomeLink.com for additional information.



SUPPORT.



For Support Tools and Training Videos, Visit LiftMasterTraining.com

For More Information on Gate Operators, Visit LiftMaster.com/UL325Gates



Sales Support: 800.282.6225
Technical Support Center: 800.528.2806
To Order: 800.323.2276