

# MAXUM

Next Generation  
DC Commercial Door Operators

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# The MAXUM Series is Expanding

LiftMaster® is pioneering the next generation of innovation for commercial door operation. The MAXUM Series of DC commercial door operators are a state-of-the-art platform that introduce next-level versatility in a sleek, purpose-built design that's easier to install and service. With unrivaled performance and intelligence, the expanded lineup will help today's commercial facilities take the next step towards a smarter future.

Selecting the right DC commercial door operator involves considering various factors such as door type, door weight and usage frequency. To help ensure you are selecting the right operator for your application, the following pages provide a step-by-step guide to help you determine the appropriate DC commercial door operator for your facility.



## RJDC Jackshaft with Manual Release

Next-generation standard duty Jackshaft (manual release) DC operator supports sectional or rolling doors up to 700 lbs. RJDC operators include a sash chain (manual release) for disconnecting the door from the operator for ease of service or allowing manual door movement. Battery backup capable.



## JDC Jackshaft

Next-generation standard duty Jackshaft (non-hoisted) DC operator supports sectional or rolling doors up to 700 lbs. in NEMA 1 applications. Jackshaft operators are preferred over trolleys in applications where overhead space is at a premium. 4.5 Ah battery backup kit is included.



## JHDC Hoist

Next-generation standard or extended duty Jackshaft (hoisted) DC operator supports sectional or rolling doors that weigh up to 2200 lbs. in NEMA 1 or NEMA 4X applications. JHDC operators include a hand chain (hoist) for manual door movement. Battery backup capable.



## TDC Trolley

Next-generation standard or extended duty TDC operator supports standard-lift sectional doors up to 2200 lbs. in NEMA 1 or NEMA 4X applications. Battery backup capable.



# Partner Portal simplifies ordering

LiftMaster has introduced an enhanced ordering process that allows you to simply order what you need à la carte. The Partner Portal not only guides you to the operator that fits your application needs, but it also recommends all the installation components and accessories that are needed for your specific installation, all without you having to know the product numbers. Recommended accessories can be ordered with an operator or placed as a separate stocking order as needed.

## Ordering is as easy as 1, 2, 3

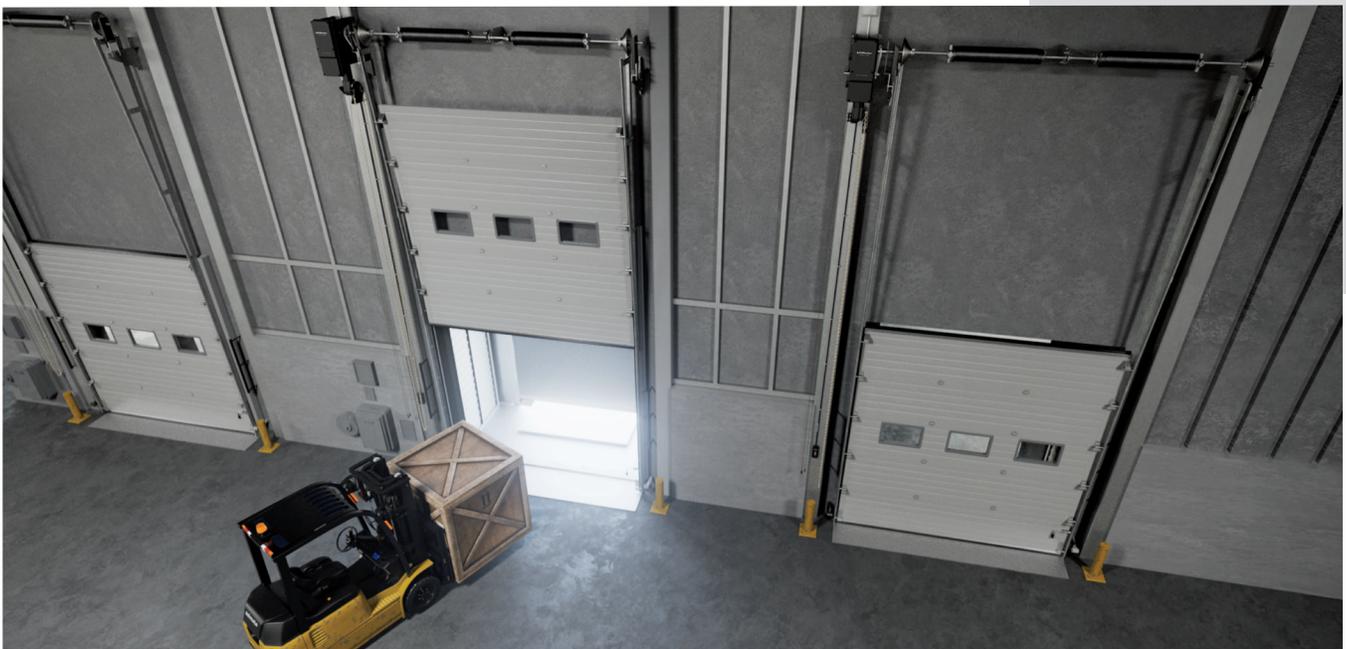
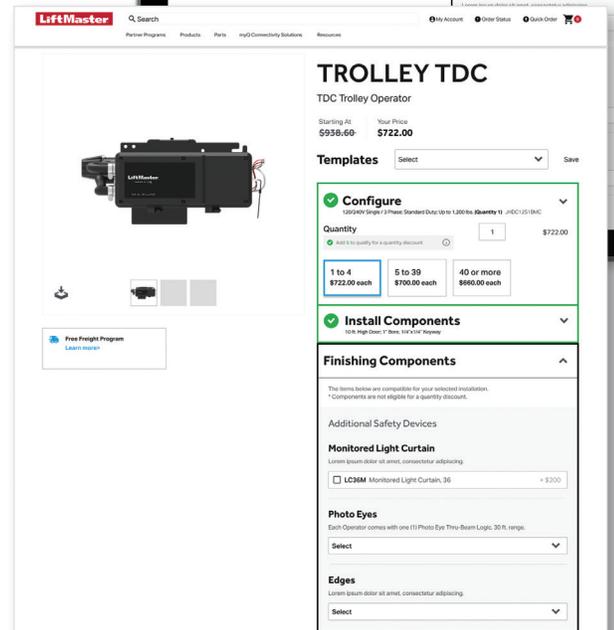
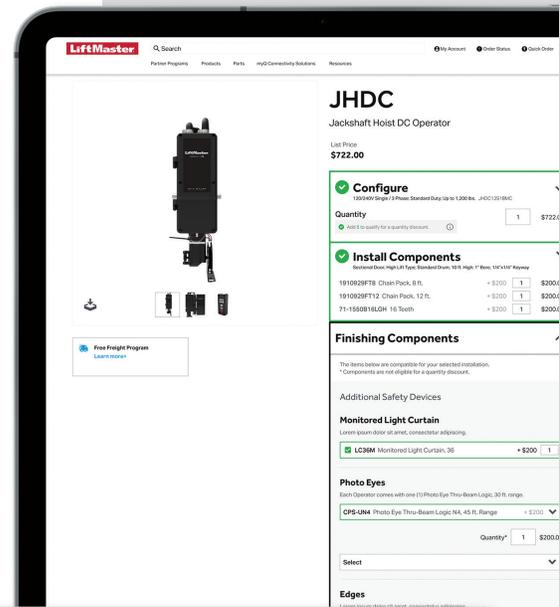
Embracing a new approach to ordering an operator on the Partner Portal has never been easier. This guide provides a simple, 3-step process for ordering the DC commercial door operators and accessories based on door specifications, voltage and usage.

**Step 1.** Select and configure an operator

**Step 2.** Select required installation components\*

**Step 3.** Select additional accessories and field install kits to improve your operator's installation and functionality

\*These vary by operator and application but will be automatically selected for you.



# Step 1 **Select and configure an operator**

Configure your choice of MAXUM DC operator in a step-by-step process based on door weight and type, installation voltage/phase and number of daily door cycles. With a trimmed down lineup of operators, the process of ordering and stocking has been significantly simplified.

All MAXUM operators include the CPS-U photoeyes and NEMA 4X units will include the CPS-UN4. These entrapment protection devices are packed in and cannot be swapped out. If additional entrapment devices are needed, they can be ordered/added as an additional accessory in Step 3 of the ordering process.

Model	Max Door Weight	Voltage/Phase	Equivalent Horsepower	Duty Cycle Limit	Operator Details
<b>RJDC Jackshaft (Manual Release) Operators</b>					
RJDC7S1BER	700 lbs	120VAC 1PH / 240VAC 1/3PH*	1/2 HP	Standard Duty, 20 Cycles/Hour	Manual Release (Disconnect), Right Hand Extended 3" Shaft Length, Battery Backup Capable
RJDC7S4BER	700 lbs	480VAC 3PH	1/2 HP	Standard Duty, 20 Cycles/Hour	Manual Release (Disconnect), Right Hand Extended 3" Shaft Length, Battery Backup Capable
RJDC7S1BEL	700 lbs	120VAC 1PH / 240VAC 1/3PH*	1/2 HP	Standard Duty, 20 Cycles/Hour	Manual Release (Disconnect), Left Hand Extended 3" Shaft Length, Battery Backup Capable
RJDC7S4BEL	700 lbs	480VAC 3PH	1/2 HP	Standard Duty, 20 Cycles/Hour	Manual Release (Disconnect), Left Hand Extended 3" Shaft Length, Battery Backup Capable
<b>JDC Jackshaft (Non-Hoisted) Operators with Battery Backup Included</b>					
JDC7S1BMC	700 lbs.	120VAC 1PH / 240VAC 1/3PH*	1/2 HP	Standard Duty, 20 Cycles/Hour	Battery Backup Included, Standard 2" Shaft Length
JDC7S1BE	700 lbs.	120VAC 1PH / 240VAC 1/3PH*	1/2 HP	Standard Duty, 20 Cycles/Hour	Battery Backup Included, Extended 3" Shaft Length
JDC7S4BMC	700 lbs.	480VAC 3PH	1/2 HP	Standard Duty, 20 Cycles/Hour	Battery Backup Included, Standard 2" Shaft Length
JDC7S4BE	700 lbs.	480VAC 3PH	1/2 HP	Standard Duty, 20 Cycles/Hour	Battery Backup Included, Extended 3" Shaft Length
<b>JHDC Jackshaft (Hoist) Operators</b>					
JHDC7S1BMC	700 lbs.	120VAC 1PH / 240VAC 1/3PH*	1/2 HP	Standard Duty, 20 Cycles/Hour	Battery Backup Capable, Standard 2" Shaft Length
JHDC7S1BE	700 lbs.	120VAC 1PH / 240VAC 1/3PH*	1/2 HP	Standard Duty, 20 Cycles/Hour	Battery Backup Capable, Extended 3" Shaft Length
JHDC7S4BMC	700 lbs.	480VAC 3PH	1/2 HP	Standard Duty, 20 Cycles/Hour	Battery Backup Capable, Standard 2" Shaft Length
JHDC7S4BE	700 lbs.	480VAC 3PH	1/2 HP	Standard Duty, 20 Cycles/Hour	Battery Backup Capable, Extended 3" Shaft Length
JHDC12S1BMC	1200 lbs.	120VAC 1PH / 240VAC 1/3PH*	3/4 HP	Standard Duty, 20 Cycles/Hour	Battery Backup Capable, Standard 2" Shaft Length
JHDC12S1BE**	1200 lbs.	120VAC 1PH / 240VAC 1/3PH*	3/4 HP	Standard Duty, 20 Cycles/Hour	Battery Backup Capable, Extended 3" Shaft Length
JHDC12S4BMC	1200 lbs.	480VAC 3PH	3/4 HP	Standard Duty, 20 Cycles/Hour	Battery Backup Capable, Standard 2" Shaft Length
JHDC12S4BE**	1200 lbs.	480VAC 3PH	3/4 HP	Standard Duty, 20 Cycles/Hour	Battery Backup Capable, Extended 3" Shaft Length
JHDC12X1BC	1200 lbs.	120VAC 1PH / 240VAC 1/3PH*	3/4 HP	Extended Duty, 30 Cycles/Hour	Battery Backup Capable, Standard 2" Shaft Length
JHDC12X1BE**	1200 lbs.	120VAC 1PH / 240VAC 1/3PH*	3/4 HP	Extended Duty, 30 Cycles/Hour	Battery Backup Capable, Extended 3" Shaft Length
JHDC12X4BMC	1200 lbs.	480VAC 3PH	3/4 HP	Extended Duty, 30 Cycles/Hour	Battery Backup Capable, Standard 2" Shaft Length
JHDC12X4BE**	1200 lbs.	480VAC 3PH	3/4 HP	Extended Duty, 30 Cycles/Hour	Battery Backup Capable, Extended 3" Shaft Length
JHDC22X1BMC	2200 lbs.	120VAC 1PH / 240VAC 1/3PH*	1 and 1.5 HP	Extended Duty, 30 Cycles/Hour	Battery Backup Capable, Extended 3" Shaft Length
JHDC22X4BMC	2200 lbs.	480VAC 3PH	1 and 1.5 HP	Extended Duty, 30 Cycles/Hour	Battery Backup Capable, Extended 3" Shaft Length

**NOTE:** 60-tooth and 72-tooth sprockets with 1.5 in. bore, 3/8 in. keyway are available. Contact your Sales Representative for more information.

JDC and JHDC maximum door height is up to 40 ft. with up to a 10 ft. high lift.  
TDC maximum door height is up to 24 ft.

\*Convertible to 208VAC 3PH or 575VAC (600VAC) 3PH via transformer accessory (order separately).

\*\*Extended Duty is formerly known as Heavy Industrial Duty or Gear Head.



Model	Max Door Weight	Voltage/Phase	Equivalent Horsepower	Duty Cycle Limit	Operator Details
<b>TDC Trolley Operators</b>					
TDC7S1BMC	700 lbs.	120VAC 1PH / 240VAC 1/3PH*	1/2 HP	Standard Duty, 20 Cycles/Hour	Battery Backup Capable
TDC7S4BMC	700 lbs.	480VAC 3PH	1/2 HP	Standard Duty, 20 Cycles/Hour	Battery Backup Capable
TDC12S1BMC	1200 lbs.	120VAC 1PH / 240VAC 1/3PH*	3/4 HP	Standard Duty, 20 Cycles/Hour	Battery Backup Capable
TDC12S4BMC	1200 lbs.	480VAC 3PH	3/4 HP	Standard Duty, 20 Cycles/Hour	Battery Backup Capable
TDC12X1BMC	1200 lbs.	120VAC 1PH / 240VAC 1/3PH*	3/4 HP	Extended Duty, 30 Cycles/Hour	Battery Backup Capable
TDC12X4BMC	1200 lbs.	480VAC 3PH	3/4 HP	Extended Duty, 30 Cycles/Hour	Battery Backup Capable
TDC22X1BMC	2200 lbs.	120VAC 1PH / 240VAC 1/3PH*	1 and 1.5 HP	Extended Duty, 30 Cycles/Hour	Battery Backup Capable
TDC22X4BMC	2200 lbs.	480VAC 3PH	1 and 1.5 HP	Extended Duty, 30 Cycles/Hour	Battery Backup Capable

**NOTE:** JDC and JHDC maximum door height is up to 40 ft. with up to a 10 ft. high lift.  
TDC maximum door height is up to 24 ft.

\*Convertible to 208VAC 3PH or 575VAC (600VAC) 3PH via transformer accessory (order separately).

\*\*Extended Duty is formerly known as Heavy Industrial Duty or Gear Head.

## Step 2 Select required install components

The Partner Portal will automatically select the required installation components based on your selected operator and application.

### Required sprocket for RJDC, JDC and JHDC operators

A door sprocket is required for installation of each RJDC, JDC and JHDC operator. See sprocket tables below for suggested sprocket selection.

### REQUIRED Door Sprocket Recommendation for RJDC, JDC or JHDC Operators

Drum Diameter	Sectional Door Sprocket Kit (Includes Key) for #50 Chain					
	For 10-12 in/sec Door Speed			For 9-10 in/sec Door Speed		
	Sprocket Tooth Count	1 in. Bore 1/4 in. Keyway	1.25 in. Bore 1/4 in. Keyway	Sprocket Tooth Count	1 in. Bore 1/4 in. Keyway	1.25 in. Bore 1/4 in. Keyway
4"	16-Tooth	71-1550B16LGH	71-1550B16QGH	24-Tooth	71-1550B24LGH	71-1550B24QGH
5.25" - 5.75", 8.5" (Vertical Lift)	24-Tooth	71-1550B24LGH	71-1550B24QGH	32-Tooth	71-1550B32LGH	71-1550B32QGH
6.375" - 11"	32-Tooth	71-1550B32LGH	71-1550B32QGH	42-Tooth	71-1550B42LGH	71-1550B42QGH
13.5"	42-Tooth	71-1550B42LGH	71-1550B42QGH	56-Tooth	71-1550B56LGH	71-1550B56QGH

**NOTE:** If unsure on door drum diameter, choose 32-tooth sprocket. See table below for recommendation by operator series.

Operator Series	Drum Diameter	Desired Door Speed	Door Sprocket Tooth Count	1 in. Bore, 1/4 in. Keyway	1.25 in. Bore, 1/4 in. Keyway
700	Not Sure	12 in/sec	22	71-1550B22LGH	71-1550B22QGH
700	Not Sure	9 in/sec	32	71-1550B32LGH	71-1550B32QGH
1200	Not Sure	12 in/sec	22	71-1550B22LGH	71-1550B22QGH
1200	Not Sure	9 in/sec	32	71-1550B32LGH	71-1550B32QGH
2200	Not Sure	10-12 in/sec	32	71-1550B32LGH	71-1550B32QGH

Operator Series	Door Weight	Tooth Count	1 in. Bore, 1/4 in. Keyway	1.25 in. Bore, 1/4 in. Keyway	1 in. Bore, 3/8 in. Keyway	1.25 in. Bore, 3/8 in. Keyway
<b>Rolling Door Sprocket for 12-Tooth Operator Sprocket   UNINSULATED Rolling Door - Max 20 ft. Door Height - 8-9 in/sec Door Speed</b>						
700	up to 450 lbs.	50	71-1550B50LGH	71-1550B50QGH	71-1550B50LKH	71-1550B50QKH
	450 to 700 lbs.	72	71-1550B72LGH	71-1550B72QGH	71-1550B72LKH	71-1550B72QKH
1200	700 to 1200 lbs.					
<b>Rolling Door Sprocket for 12-Tooth Operator Sprocket   INSULATED Rolling Door - Max 20 ft. Door Height - 8-9 in/sec Door Speed</b>						
700	up to 450 lbs.	60	71-1550B60LGH	71-1550B60QGH	71-1550B60LKH	71-1550B60QKH
1200	450 to 900 lbs.	72	71-1550B72LGH	71-1550B72QGH	71-1550B72LKH	71-1550B72QKH
<b>Rolling Door Sprocket for 10-Tooth Operator Sprocket   UNINSULATED Rolling Door - Max 20 ft. Door Height - 8-9 in/sec Door Speed</b> (Standard for JHDC 2200 - Available as accessory kit for 700/1200 = part # 71-1550B10LGH)						
700	up to 450 lbs.	42	71-1550B42LGH	71-1550B42QGH	-	-
	450 to 700 lbs.	56	71-1550B56LGH	71-1550B56QGH	-	-
1200	700 to 1200 lbs.					
2200	1200 to 1800 lbs.	72	71-1550B72LGH	71-1550B72QGH	71-1550B72LKH	71-1550B72QKH
	1800 to 2200 lbs.					
<b>Rolling Door Sprocket for 10-Tooth Operator Sprocket   INSULATED Rolling Door - Max 20 ft. Door Height - 8-9 in/sec Door Speed</b> (Standard for JHDC 2200 - Available as accessory kit for 700/1200 = part # 71-1550B10LGH)						
700	up to 450 lbs.	50	71-1550B50LGH	71-1550B50QGH	71-1550B50LKH	71-1550B50QKH
1200	450 to 900 lbs.	60	71-1550B60LGH	71-1550B60QGH	71-1550B60LKH	71-1550B60QKH
2200	900 to 2000 lbs.	72	71-1550B72LGH	71-1550B72QGH	71-1550B72LKH	71-1550B72QKH

**Additional hoist chain for JHDC units on oversized doors**

Determine total hoist chain needed by adding any extra high lift to door height. Doors over 16 ft. in height will need extra hoist chain, as well as sectional doors with high lift that when added exceed 16 ft. of total height.

Amount of additional hoist chain needed for JHDC units on taller doors. Model 1910929FT25	
Total Height (ft.)	Chain packs now come in 25 ft., additional chain packs needed:
0 - 16	0
17 - 29	1
30 - 41	2
42 - 50	3

**NOTE:** Additional Hoist Chain will be auto-calculated in the Partner Portal based on door height and any extra high lift or vertical lift provided.



**Track and chain kit selection for TDC Operators**

Determine the right track and chain kit for your TDC operators by measuring your door's height, from bottom to top.

**REQUIRED Track and chain kit selection for TDC operators only**

1 kit (which consists of 2 tracks, 1 chain, and any needed spacers) is required for installation of each operator, order using the kits listed below.



Track and Chain Kits, needed for TDC		
Operator Size	Door Height (ft.)	TDC Components Kit
TDC7 Operators	8	TDC7-8
TDC7 Operators	10	TDC7-10
TDC7 Operators	12	TDC7-12
TDC7 Operators	14	TDC7-14
TDC7 Operators	16	TDC7-16
TDC7 Operators	18	TDC7-18
TDC7 Operators	20	TDC7-20
TDC7 Operators	22	TDC7-22
TDC7 Operators	24	TDC7-24
TDC12 & TDC22 Operators	8	TDC1222-8
TDC12 & TDC22 Operators	10	TDC1222-10
TDC12 & TDC22 Operators	12	TDC1222-12
TDC12 & TDC22 Operators	14	TDC1222-14
TDC12 & TDC22 Operators	16	TDC1222-16
TDC12 & TDC22 Operators	18	TDC1222-18
TDC12 & TDC22 Operators	20	TDC1222-20
TDC12 & TDC22 Operators	22	TDC1222-22
TDC12 & TDC22 Operators	24	TDC1222-24

**NOTE:** Track and chain will be auto-calculated on the Partner Portal at time of order based on door height and type. Kits for TDC7 operators include #48 chain; kits for TDC12 and TDC22 operators include #41 chain.

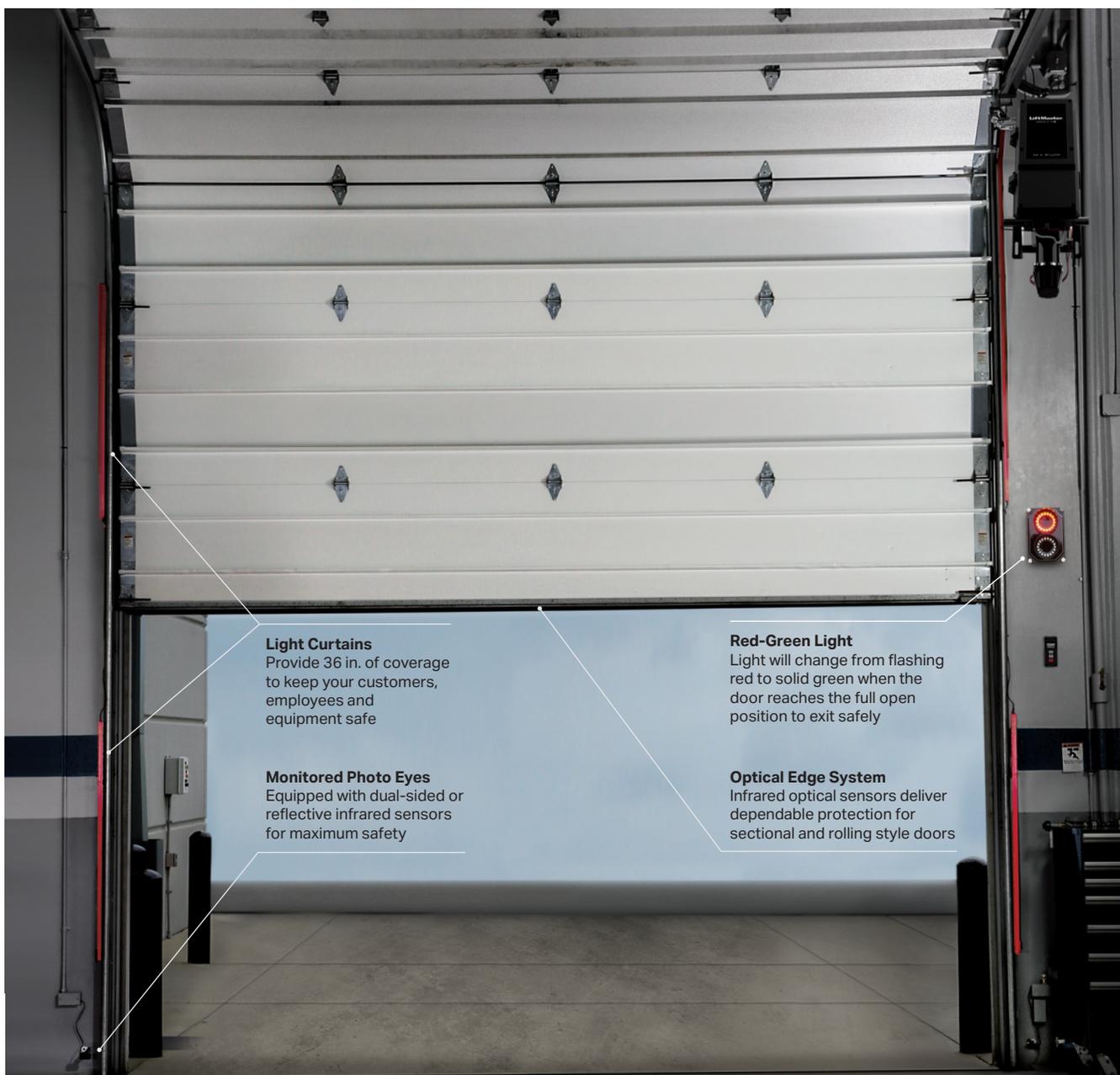
## Step 3 Select accessories and field kits

### Enhance operator functionality and installation with accessories and field kits

LiftMaster has added many features to the MAXUM series that come standard with the operator. For those not included, field installable kits are offered to easily replace current modifications. These kits can be kept on your shelves if needed in a pinch, are easy to install, and reduce the timing to receive modified units.

Safety is a number one priority for commercial door operators. LiftMaster offers a full line of entrapment protection devices for all of your application needs, including new through beam, retro reflective and wireless edge kits.

View the full list of accessories and field kits on the Partner Portal.





## Accessories and Field Installable Kits



**7 Ah Battery Backup Kit**  
DC Battery Backup Kit includes two (2) 7 Ah batteries, battery enclosure and connectors.  
DC7AH



**208V and 600V Transformer Voltage Kits**  
External transformer kits for converting 120/240V operators to 208V or 600V operator type.  
XF208VAC7, XF208VAC12, XF600VAC7, XF600VAC12



**Monitored Wireless Edge Kit**  
New for commercial door operators, monitored wireless edge kit stops and/or reverses a moving door when sensing a pathway obstruction.  
LMWEKITU



**Hi-Intensity Red/Green Traffic Light**  
IP65/NEMA4 all-weather enclosure is an ideal solution for fire stations, auto sales and service centers, municipalities, and parking facilities  
RGL-CTL



**Auxiliary Relay Board**  
Use for switching on/off auxiliary devices such as lights, bells, horns, strobes and other warning devices. Board mounts inside the operator cover for easy installation.  
AUXREL



**3-Button Remote Control**  
Controls up to three door operators with extended range with Security+2.0®.  
893LMMC  
**Single Button Programmable DIP Remote**  
811LMX



**36 in. Monitored Light Curtain**  
Provides up to 33 ft. of protection range and a minimum of 36 in. of height coverage to keep your equipment safe.  
LC36M



**Loop Detector Board**  
Accessory board to plug-in Loop Detector (LOOPDETLM) Board mounts inside the operator cover for easy installation.  
LPEXP

View the full list of compatible accessories and field kits on the Partner Portal.

## Step 3 Select accessories and field kits (continued)

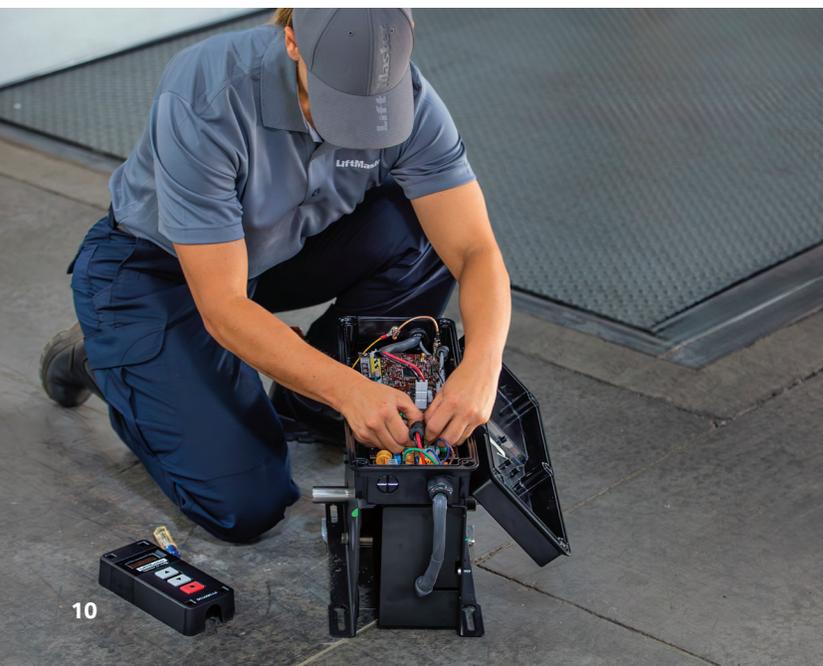
### Trolley field install kits

Adding an auxiliary trolley kit to a standard RJDC, JDC or JHDC operator, or dual trolley kit to a standard TDC operator, can provide extra stability for wider and heavier door applications. These added setups will help to improve the overall performance and reliability of the commercial door operator.



Door Height	Auxiliary Trolley		Dual Auxiliary Trolley		
	RJDC/JDC/JHDC 700	JDC/JHDC 1200 & 2200	RJDC/JDC/JHDC 700	JDC/JHDC 1200	JDC/JHDC 2200
8 ft.	7AUXTROLLEY08	1222AUXTROLLEY08	7DUALAUXTROLLEY08	12DUALAUXTROLLEY08	22DUALAUXTROLLEY08
10 ft.	7AUXTROLLEY10	1222AUXTROLLEY10	7DUALAUXTROLLEY10	12DUALAUXTROLLEY10	22DUALAUXTROLLEY10
12 ft.	7AUXTROLLEY12	1222AUXTROLLEY12	7DUALAUXTROLLEY12	12DUALAUXTROLLEY12	22DUALAUXTROLLEY12
14 ft.	7AUXTROLLEY14	1222AUXTROLLEY14	7DUALAUXTROLLEY14	12DUALAUXTROLLEY14	22DUALAUXTROLLEY14
16 ft.	7AUXTROLLEY16	1222AUXTROLLEY16	7DUALAUXTROLLEY16	12DUALAUXTROLLEY16	22DUALAUXTROLLEY16
18 ft.	7AUXTROLLEY18	1222AUXTROLLEY18	7DUALAUXTROLLEY18	12DUALAUXTROLLEY18	22DUALAUXTROLLEY18
20 ft.	7AUXTROLLEY20	1222AUXTROLLEY20	7DUALAUXTROLLEY20	12DUALAUXTROLLEY20	22DUALAUXTROLLEY20
22 ft.	7AUXTROLLEY22	1222AUXTROLLEY22	7DUALAUXTROLLEY22	12DUALAUXTROLLEY22	22DUALAUXTROLLEY22
24 ft.	7AUXTROLLEY24	1222AUXTROLLEY24	7DUALAUXTROLLEY24	12DUALAUXTROLLEY24	22DUALAUXTROLLEY24

\*Auxiliary and Dual Auxiliary Trolley Kits for doors larger than 24 ft. doors may be available. Please contact LiftMaster Customer Support.

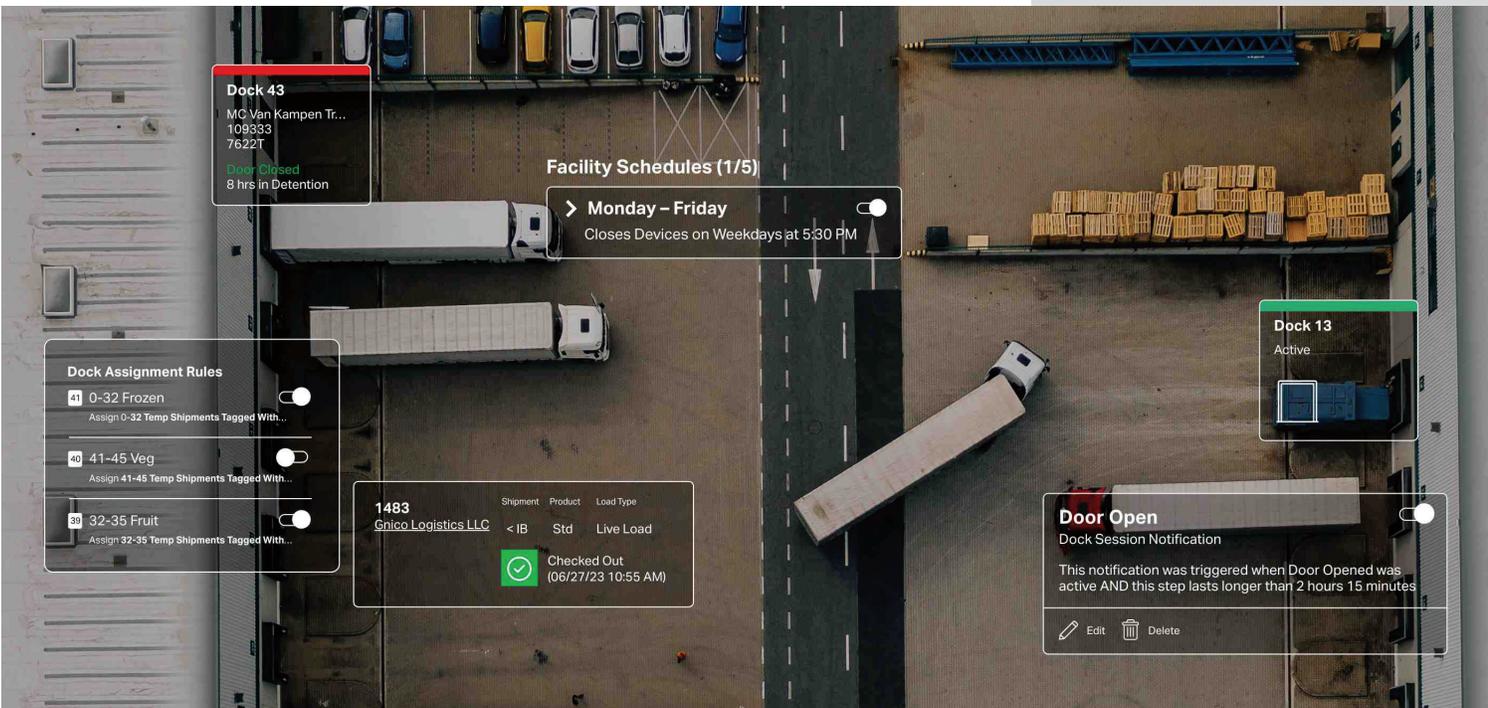
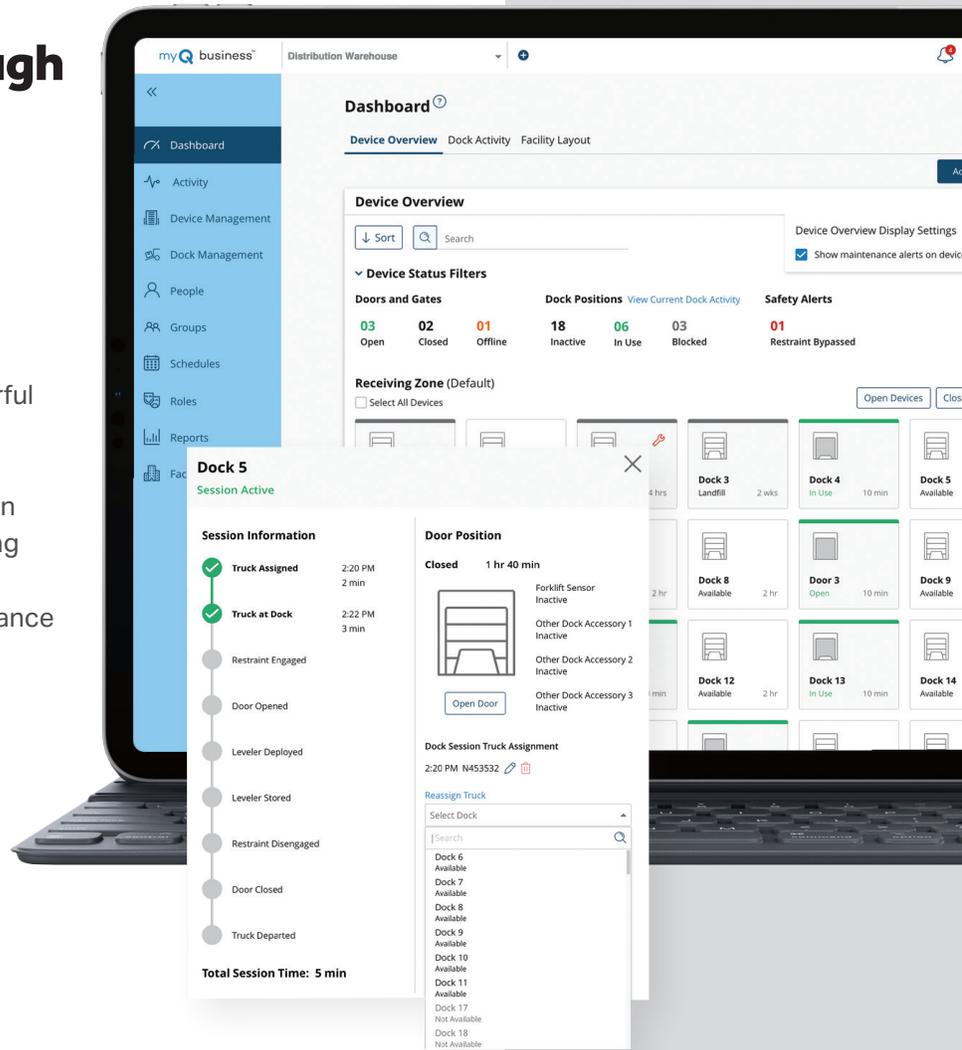


Door Height	Dual Trolley	
	TDC 700	TDC 1200 & 2200
8 ft.	7DUALTROLLEY08	1222DUALTROLLEY08
10 ft.	7DUALTROLLEY10	1222DUALTROLLEY10
12 ft.	7DUALTROLLEY12	1222DUALTROLLEY12
14 ft.	7DUALTROLLEY14	1222DUALTROLLEY14
16 ft.	7DUALTROLLEY16	1222DUALTROLLEY16
18 ft.	7DUALTROLLEY18	1222DUALTROLLEY18
20 ft.	7DUALTROLLEY20	1222DUALTROLLEY20
22 ft.	7DUALTROLLEY22	1222DUALTROLLEY22
24 ft.	7DUALTROLLEY24	1222DUALTROLLEY24

# Added efficiency through Wi-Fi Connectivity

Your operator now comes with Wi-Fi® as a standard feature. Connecting to Wi-Fi enables free product enhancements and automatic firmware updates. Wi-Fi also gives you access to myQ Facility, a free cloud-based solution that provides a powerful suite of software services, which delivers real-time data and analytics about your facility to your phone. Stay up-to-date and in control, increasing productivity and reducing expenses. Additionally, myQ Enterprise provides a one-stop gate-to-dock performance upgrade that automates and optimizes operations across your facility's inbound and outbound logistics, improving the management, visibility, safety and security of your facility.

For more details on myQ and Wi-Fi connectivity, go to [myQ.com/Facility](http://myQ.com/Facility).





**Ready to order?**  
Scan this code and begin ordering  
through the LiftMaster Partner Portal.

## Learn More

Visit [partner.LiftMaster.com/MAXUM](https://partner.LiftMaster.com/MAXUM)

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