

# VARIABLE SPEED FRONT OF HOOD (VFOH)

## COMMERCIAL DOOR OPERATOR

### VARIABLE SPEED APPLICATIONS

**FRONT OF HOOD MOUNT**  
for Rolling Steel Doors  
and Grilles

**SPEED FLEXIBILITY**  
Variable Speed Options up to 12"/sec.  
with Smooth Start/Stop Feature

**FLOOR-LEVEL CONTROLS**  
Intuitive Setup via Menu on  
LCD Screen Also Provides  
Functional User Interface

myQ<sup>®</sup> business™

### SMART

**myQ<sup>®</sup> BUSINESS™ FACILITY** PROVIDES MONITORING, CONTROL AND PRODUCTIVITY DATA OF YOUR COMMERCIAL DOORS.

**EYE-LEVEL DIAGNOSTIC MESSAGES** ON LCD SCREEN MAKE IT EASY TO SERVICE.

**REAL-TIME ALERTS** INDICATE THE STATUS OF DOORS VIA EMAIL WHEN CONNECTED TO myQ BUSINESS.

CONNECTIVITY REQUIRES PURCHASE OF myQ BRIDGE (819LMB) OR INTERNET GATEWAY (828LM), SOLD SEPARATELY.

### SAFE AND SECURE

**TIMER-TO-CLOSE** CAN BE PROGRAMMED TO CLOSE THE DOOR AFTER A SET AMOUNT OF TIME.

**SAFEGUARDS FACILITY ACCESS** WITH ROLLING CODE TECHNOLOGY, OPENING FOR REGISTERED DEVICES ONLY.

**THE COMMERCIAL PROTECTOR SYSTEM<sup>®</sup>** AUTO-REVERSES THE DOOR IF AN ENTRAPMENT PROTECTION DEVICE DETECTS AN OBSTRUCTION.

UL<sup>®</sup> 325 REQUIRES ALL COMMERCIAL DOOR OPERATORS TO BE EITHER CONSTANT PRESSURE TO CLOSE OR BE EQUIPPED WITH A PRIMARY EXTERNAL MONITORED ENTRAPMENT DEVICE.

### RELIABLE

**INVERTER-DUTY MOTOR** WITH VFD DRIVE PERFORMS IN DEMANDING VARIABLE-SPEED ROLLING-DOOR APPLICATIONS.

**WARRANTY:** 2 YEARS.

**VARIABLE FREQUENCY DRIVE TECHNOLOGY** FOR MINIMIZED WEAR AND TEAR ON THE DOOR, REDUCING REPAIR AND MAINTENANCE COSTS WHILE INCREASING OPERATIONAL PRODUCTIVITY.

### MONITORED ENTRAPMENT PROTECTION:

#### COMMERCIAL PHOTO EYES

Indoor use; NEMA 1 rated;  
max. range: 30 ft.



CPS-U

#### RETRO-REFLECTIVE PHOTO EYE

Photo eye and reflector with polarized beam; indoor/outdoor use; NEMA 4X rated; max. range: 50 ft.



CPS-RPEN4

#### DUAL-SIDED PHOTO EYES

Flexible rubber housings resist water spray and corrosion; indoor/outdoor use; NEMA 4X rated; max. range: 45 ft.



CPS-OPEN4

#### COMMERCIAL PROTECTOR SYSTEM

Heavy-duty industrial housings; indoor/outdoor use; NEMA 4 rated; max. range: 45 ft.



CPS-UN4

#### OPTICAL EDGE SYSTEM

Infrared optical sensors in a customizable rubber enclosure are protected against water; indoor/outdoor use; NEMA 6 rated; max. range: 33 ft.



OES

### NON-MONITORED ENTRAPMENT PROTECTION:

#### LIGHT CURTAIN

Provides 36 inches of increased zone coverage for additional protection; NEMA 4 rated; max. range: 33 ft.



LC-36A

### TOTAL SOLUTION ACCESSORIES:

#### ENCRYPTED DIP 3-BUTTON REMOTE CONTROL

Extreme-range remote programmable for open/close/stop operation.



813LM

#### myQ BRIDGE

Enables monitoring and control of up to 16 operators via Wi-Fi<sup>®</sup>.



819LMB

#### RED/GREEN TRAFFIC LIGHT

High-intensity LED lights indicate the door status for safe exit and entry in any light.



RGL-CTL

LiftMaster<sup>®</sup> offers accessory solutions for any commercial application. View the full product lineup at [LiftMaster.com](http://LiftMaster.com).

PRODUCT GUIDE VFOH

VARIABLE SPEED FRONT OF HOOD COMMERCIAL DOOR OPERATOR

**LiftMaster<sup>®</sup>**

# MASTERFUL ENGINEERING.

## MOTOR / DRIVE



- Available in 1/2 HP
- Overheating Thermal Protection
- Inverter-Duty Rated Motors
- High-Efficiency Gear Box for Greater Duty Cycle
- Drive Reduction: Gearbox, #50 Output Sprocket Chain
- Low Profile; Maximum 15 Inches for Front of Hood Mounting
- Solenoid Brake Standard
- Duty Cycle: Up to 200 Cycles a Day

## POWER



- Single Phase: 115V and 230V
- 3-Phase: 230V
- 3-Phase: 460V and 575V (Available with Separate Stepdown Transformer Included)
- NEC Class 2 Control Voltage for Field Wiring

## COMMERCIAL CONTROLS



- Floor-Level Commissioning (Operating Modes)
- Floor-Level Field Wiring
- Liquid Crystal Display to Display Menu and Diagnostics
- Configurable Speed in Up and Down Door Direction: Slow, Medium, Fast
- Cycle Counter Standard

## STANDARD SPECS.

**myQ® RADIO ON 900 MHz PROVIDES 2-WAY COMMUNICATION WITH myQ BUSINESS™**

**SECURITY+ 2.0® RADIO RECEIVER**

ACCEPTS:

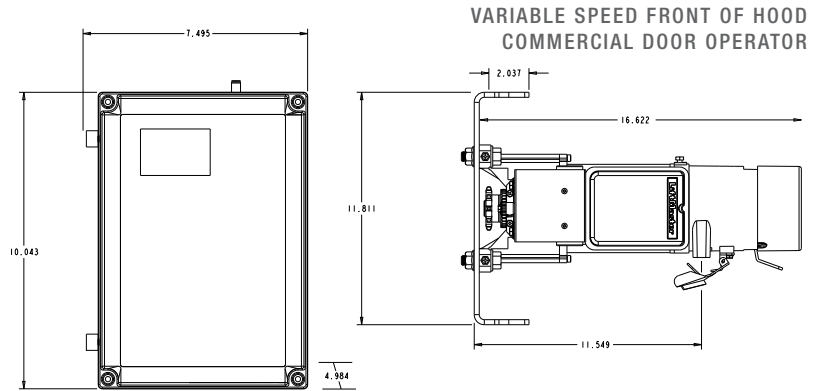
- (30) 3-Button Remote Controls or (90) 1-Button Remote Controls
- Additional 30 Wireless Keypads
- Unlimited DIP Switch Remotes

### OPERATION MODES

- Menu Selection for Operator Type and Operational Modes to Meet Client Needs
- Operational Modes B2, T and TS Can Be Selected with the Addition of a LiftMaster® Entrapment Protection Device
- C2 (Constant Pressure to Close) Operational Mode Default
- LiftMaster Monitored Entrapment Protection Is Recommended When Using C2 Operational Mode

### CONSTRUCTION

- NEMA 1 Motor/Drive Train; NEMA 4 Control Panel\*\* (\*\*When Using Appropriate N4 Conduit and Wire Fittings)
- VFD Cable Has an Industrial-Grade Jacket with Enhanced Shielding, Designed for Harsh Environments; No Additional Conduit Needed
- Open Mid-Stop Enables Partial Openings to a Set Position for Environmental Control and Time Savings
- 41 ft. VFD and Encoder Cables Available for Taller Doors



## SYSTEM SELECTION GUIDES

### DEFAULT SPEED

		Door Height						
		Weight [lbs.]	10'	12'	14'	16'	18'	20'
3/4" Curtain Thick	300	1/2 HP Default						
	500	1/2 HP Default						
	800	1/2 HP Default						
	1,050	1/2 HP Default						
	1,200	1/2 HP Default						
	1,350	1/2 HP Default						
	1,560	Not Recommended						
	1,750	Not Recommended						
1,860	Not Recommended							
2,000	Not Recommended							

### HIGHER SPEED

		Door Height						
		Weight [lbs.]	10'	12'	14'	16'	18'	20'
3/4" Curtain Thick	300	1/2 HP Default						
	500	1/2 HP Default						
	800	1/2 HP Default						
	1,050	1/2 HP Default						
	1,200	1/2 HP Default						
	1,350	1/2 HP Default						
	1,560	Not Recommended						
	1,750	Not Recommended						
1,860	Not Recommended							
2,000	Not Recommended							

Please visit [LiftMaster.com/VariableSpeed](http://LiftMaster.com/VariableSpeed) for additional specifications, selection guides and dimensioned drawings.

## SHIPPING.

- (1) Powerhead (with 16.5 ft. Integrated Hoist Chain)
- (1) Controller
- (1) Powerhead Mounting Bracket with Hardware
- (1) VFD Cable (22 ft. Standard)
- (1) Encoder Cable (22 ft. Standard)
- (1) #50 Drive Chain
- (1) 40-Tooth Sprocket
- (1) LiftMaster Monitored Entrapment Protection (CPS-U Standard)

### CARTON DIMENSIONS

Carton (1/2 HP System)  
34.69" L x 13.81" W x 17.06" H

Carton (Transformer Shipped with 575V Models\*)  
14" L x 8" W x 8.5" H