

# GRIFCO®

POWERING COMMERCIAL DOORS

## TRADE PRODUCT GUIDE

SEPTEMBER 2021



AVAILABLE ON:



# GRIFCO®

OVER 100 YEARS OF AUSTRALIAN MANUFACTURING



# Complete control just a tap away.



Control from anywhere



Preset scheduling



Real-time notifications



Access control



\* myQ Gateway and Grifco Entrapment Protection System required.

## COMPLIANCE

Grifco commercial door operators have been tested to comply with the requirements of:

AS/NZS 60335.1:2011 + A1-A5 - Household & similar electrical appliances – Safety – Part 1: General requirements.

AS/NZS 60335.2.103:2016 + A1 - Household & similar electrical appliances – Safety – Part 2: Particular requirements for drives for gates, doors & windows.

SAA Certificate of Suitability SAA201621 available online or upon request.

The Entrapment Protection System for your installation will be determined by the functional requirements of the door.

To ensure your installation meets these requirements refer to AS/NZS 60335.2.103.

Explosive Atmospheres Equipment is tested to comply with IEC/AS/NZS 60079.0:2019, 60079.1:2015, 60079.31:2014, AS2380.1:1989, AS2380.2:1991, AS2236:1994, AS1939:1990

## REGULATORY COMPLIANCE MARK



All electrical products and components bear the Regulatory Compliance Mark (RCM), placed in accordance with AS/NZS 4417.1 (i.e. generally on the external surface of the electrical equipment

as near as possible to the model identification).

Further information on labelling of items with the RCM can be found in the AS/NZS 4417.1 (Use of the mark).

For technical assistance please contact our friendly customer service team:

### AUSTRALIA

1800 GRIFCO (1800 474 326)

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### NEW ZEALAND

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All prices shown in this pricelist are in Australian Dollars and do not include any GST. Prices shown with NETT after them do not attract any customer discount.

Due to an ongoing commitment to research and development Chamberlain Australia Pty Ltd reserves the right to alter details and specifications without notice. E&OE.

# E-DRIVE

## THE INDUSTRY-LEADING BENCHMARK FOR QUALITY, RELIABILITY AND INTELLIGENCE.

E-Drive with myQ connectivity utilises the latest logic and smart technology and builds upon Grifco's trusted legacy for traditional spring-balanced roller shutters and grilles.

Regarded as the industry benchmark, E-Drive with myQ offers powerful unbeatable performance for commercial doors. The proprietary expandable logic enables exceptional versatility and adaptability on location.

### KEY FEATURES

- Purpose-designed gearbox with a range of powerful motors.
- Multiple configuration options to suit an extensive range of applications.
- Electronic limits with Security +2.0 radio onboard for encrypted security.
- A comprehensive and modular range of accessories.
- Compatible with myQ smartphone control.\*



#### LASTING PERFORMANCE

The purpose-designed gearbox and AC motor combine to deliver extremely reliable, powerful operation. E-Drive is manufactured in Australia.



#### INTELLIGENCE & FLEXIBILITY

Straight out of the box, the Grifco +2.0 logic is ideal for car park applications. An expansion board is also available for advanced functionality.



#### SAFE & COMPLIANT

Meets all applicable regulatory standards. Utilises Grifco's broad range of safety accessories to achieve a safe and compliant installation.



#### A LEADING WARRANTY FROM THE ONLY AUSTRALIAN MANUFACTURER OF ROLLER SHUTTER OPERATORS

Grifco's warranty covers the entire operator and is supported by our national Field Service Technicians and our Customer Service Centre.

### myQ Capable\*



APP AVAILABLE ON:



- 📍 Control from anywhere
- 🔔 Real-time notifications
- 📅 Preset scheduling
- 🔑 Access control



#### COMPLETE CONTROL

By adding a myQ gateway, E-Drive is now even smarter. Control from anywhere, receive real-time notifications, schedule open & close times and control access via the myQ App.

\* myQ Gateway and Grifco Entrapment Protection System required.

# STANDARD SHUTTERS AND DOORS

## INFORMATION AND RECOMMENDATIONS

Grifco claims operator performance based on door area and height. These claims are based on what we regard as a "Standard Roller Shutter" or commercial sectional door. Please refer below to what we classify as a standard shutter or door.

---

### Information for Roller Shutters

#### Standard Roller Shutters

All of the operators in this catalogue have a recommended maximum roller shutter area listed in the relevant specification table.

All recommended door sizes are based on a "Standard Roller Shutter" (refer below):

- The Shutter is correctly spring-balanced.
- The Shutter has max 1mm x min 100mm slats, with a diameter 150mm drum for shutters max 36m<sup>2</sup>, or diameter 200mm drum for shutters 36 - 50m<sup>2</sup>.
- The Shutter has no wind-locks.
- A sprocket ratio  $\geq 4:1$  is used.

#### Non Standard Roller Shutters

If the roller shutter you are automating varies in general specification from the "Standard Roller Shutter" assumptions made previously, some consideration should be given to increasing the sprocket ratio or operator size.

Grifco technical support can provide guidance if required.

#### Door Guides

It is recommended that the door guides be fitted with mechanical stops that prevent the bottom rail of the door from passing through in the opening direction. The operator should stall if driving into mechanical stops. This information is provided as a guide only.

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### Information for Commercial Sectional Doors

All sectional door operators in this catalogue are designed for vertically moving, overhead sectional doors, driven with a centrally mounted rail and trolley system. All the operators in this catalogue have a recommended maximum sectional door area and door height listed in the relevant specification table.

All recommended sectional door sizes are based on a "standard sectional door" (refer below):

- The door is vertically operated
- The door is an overhead type

- The door is correctly spring balanced
- When correctly balanced, the door has a maximum lifting weight of 20kg
- The door is in good mechanical condition and operates smoothly



## Commercial Door Operator Duty Cycle Definitions

Grifco operators are rated for duty cycles to match various door automation requirements. Ratings are approximate only.

### Low Cycle

Low cycle rated products are suited to applications such as warehouses and industrial facilities.

### High Cycle

High cycle rated products are suited to applications such as car parks, emergency services facilities and busy distribution centres.

Cycle ratings refer to the maximum rated door size.

Duty Cycle	Run Time per hour	Approx Mins of Operation per Hour	Approx Cycles per Hour
LC-10	10%	6	6
HC-30	30%	18	18
HC-60	60%	36	36
HC-100	100%	60	60

## Engineered and manufactured in Australia

Our manufacturing facility located in West Gosford NSW continues Grifco's proud manufacturing history spanning more than 100 years in Australia.



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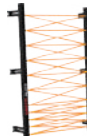















## REFERENCES

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# GRIFCO SELECTION GUIDE

	Light Commercial Roller Doors	Roller Shutters		Fire Shutters	Sectional Doors
	Spring- Balanced	Spring- Balanced	Non Spring- Balanced	Spring- Balanced	Spring- Balanced
<b>MANUAL HOISTS</b> Pg 17 	HD ≤22m <sup>2</sup> EHD ≤25m <sup>2</sup>			≤16m <sup>2</sup>	
<b>LR DRIVE</b> Pg 10  Security+ 2.0 Battery Backup myQ compatible Reflective Safety Beam Compatible	Low Cycle ≤28m <sup>2</sup>				
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<b>E DRIVE</b> Pg 12  Security+ 2.0 Light Curtain Compatible myQ compatible Reflective Safety Beam Compatible		Low Cycle ≤50m <sup>2</sup> High Cycle ≤30m <sup>2</sup>			
<b>mDrive</b> Pg 14 		Low Cycle ≤50m <sup>2</sup> High Cycle ≤30m <sup>2</sup> Specialty ≤36m <sup>2</sup>			
<b>HD OPERATORS</b> Pg 15 		High Cycle ≤80m <sup>2</sup> Specialty ≤80m <sup>2</sup>			
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<b>FIRE SHUTTER OPERATORS</b> Pg 16 				Low Cycle ≤36m <sup>2</sup> High Cycle ≤28m <sup>2</sup>	
<b>S DRIVE</b> Pg 18  Security+ 2.0 Battery Backup myQ compatible Light Curtain Compatible Reflective Safety Beam Compatible					High Cycle ≤26m <sup>2</sup>
<b>Ls DRIVE</b> Pg 19  Security+ 2.0 Battery Backup myQ compatible Reflective Safety Beam Compatible					High Cycle ≤15m <sup>2</sup>



Logic Platform	Logic Expansion	Common Accessories			
		Remote Access	myQ Gateway	Entrapment Protection	Warning Systems
-	-	-	-	-	-
L-Drive Logic	-	4-Channel Keyring Transmitter <b>Pg 20</b> 	myQ Gateway <b>Pg 20</b> 	Monitored Reflective Safety Beams <b>Pg 21</b> 	Flashing Light <b>Pg 26</b> 
E-Drive Logic	E-Drive +2.0 Expansion Board <b>Pg 22</b> 	Full suite of Security +2.0 Remote Transmitters <b>Pg 20</b> 	myQ Gateway <b>Pg 20</b> 	Monitored Light Curtain <b>Pg 21</b> 	Traffic Signal <b>Pg 26</b> 
Compatible with E-Drive Logic via the GLM6 Wall Control <b>Pg 22</b>      	E-Drive Expansion Board <b>Pg 22</b> 		myQ Gateway when controlled by GLM6 Wall Control <b>Pg 20</b> 		
S-Drive Logic	-		myQ Gateway <b>Pg 20</b> 	Monitored Light Curtain <b>Pg 21</b> 	Traffic Signal <b>Pg 26</b> 
L-Drive Logic	-			Monitored Reflective Safety Beams <b>Pg 21</b> 	Flashing Light <b>Pg 26</b> 

# LR-DRIVE

## OPERATOR FOR LIGHT COMMERCIAL ROLLER DOORS



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Model	kW	Max Pull Force	Torque	Voltage	Max Door Weight	Max. Door Size	Duty
<b>LR-Drive Operator • BBU</b>							
<b>GLD-RDO</b>	0.15KW	1,300N	45Nm	24VDC	270kg	28m²	LC-10

Operator supplied with Battery Backup Unit, 2 x E960G Transmitters and 1 x E138G Wireless Wall Control



Part No.	Description
<b>Grifco myQ Internet Gateway</b>	
<b>G828AU</b>	Grifco myQ Internet Gateway



LR-Drive is supplied complete with Battery Backup Unit, 2 x E960G Transmitters and 1 x E138G Wireless Wall Control

## Popular Accessories

### Flashing Lights and Sounders



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### Wireless Keyring Transmitter E960G



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### Up/Down Key Switch KS103



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### Monitored Reflective Safety Beam GPS15



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# E-DRIVE RKML

## OPERATORS FOR LIGHT COMMERCIAL ROLLER DOORS



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Model	Nominal Power		Rated Current	Voltage	Phase	Max. Door Size	IP Rating	Duty	No Neutral (N)	Pre-Wired (P)	Clutch (C)
E-Drive Operator • Low Cycle • Three Phase 415V									OPTIONAL UPGRADES		
RML6053	0.37kW	0.5Hp	1.55A	415V	3ph	26m²	IP44	LC-10	+	+	+
E-Drive Operator Only • Low Cycle • Single Phase 240V											
RML6051	0.37kW	0.5Hp	3.40A	240V	1ph	26m²	IP44	LC-10	-	✓	+
E-Drive Operator Kit • Low Cycle • Three Phase 415V											
RKML6053	0.37kW	0.5Hp	1.55A	415V	3ph	26m²	IP44	LC-10	+	+	+
RKML6053EF	0.37kW	0.5Hp	1.55A	415V	3ph	26m²	IP44	LC-10	+	+	+
E-Drive Operator Kit • Low Cycle • Single Phase 240V											
RKML6051	0.37kW	0.5Hp	3.40A	240V	1ph	26m²	IP44	LC-10	-	✓	+
RKML6051EF	0.37kW	0.5Hp	3.40A	240V	1ph	26m²	IP44	LC-10	-	✓	+

When ordering please specify an "L" or an "R" at the end of every part number.

RML: Operator only  
RKML: Operator with installation kit (as shown above)  
EF: Easy Fit Sprocket

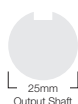


Easy Fit Sprocket

When ordering please specify the appropriate abbreviation (found above) before the "L" or "R" handing. For example RML6051WR. Prewired is standard with all 1Ph operators.

✓ As standard + Optional Upgrade - Not available

## OPERATOR KITS FOR LIGHT COMMERCIAL ROLLER DOORS



Model	Nominal Power		Rated Current	Voltage	Phase	Max. Door Size	IP Rating	Duty
E-Drive Operator • Low Cycle • Single Phase 240V • Monitored Safety Beams • Transmitters								
RKML6051RO	0.37kW	0.5Hp	3.40A	240V	1ph	26m²	IP44	LC-10

Includes E-Drive Operator Kit as shown above, Wall Control, GPS15 Safety Beams and 2 x E960G Wireless Keyring Transmitters.



## Popular Accessories

**Expansion Board with high lid**  
EB1



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**Wireless Keyring Transmitter**  
E960G



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**Monitored Reflective Safety Beam**  
GPS15



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## Intelligent & Expandable Logic

Straight out of the box, the E-Drive is ready for typical commercial and industrial applications. The logic board is feature-packed, with multiple configurations for door behaviour and settings.

For applications with additional requirements, the expansion board offers further benefits, such as relay configuration and dock leveller interface. See page 22 for the expansion board and for a detailed look at the E-Drive's logic boards.

By adding a myQ gateway, E-Drive is now even smarter. Control from anywhere, receive real-time notifications, schedule open & close times and share access via the myQ App.

## Automatic Chain Engage

In the absence of power, the roller shutter or grille can be manually operated via the hauling chain. The Automatic Chain Engage Mechanism (ACEM) provides safe and easy operation in the absence of power.

## Absolute Positioning Encoder

The E-Drive utilises Chamberlain Group's proven Absolute Positioning Encoder technology to control the door limits and direction.

## Included Accessories

E-Drive is supplied with the low-voltage wired wall control. This enables most door configuration settings to be performed at ground level and also communicates diagnostics. Also available are advanced wall controls, found on page 23.

## Multiple Configurations

The full range of Grifco E-Drive operators are designed to suit the needs of most traditional roller shutters. With choices of power supply, motor size, duty cycle and handing, there is a product to suit your needs.

## Security +2.0 Remote Control

E-Drive features the industry-leading Security +2.0 Technology. This advanced platform cuts through interference and ensures consistent, reliable and long range operation.

Transmitter management can be easily added to the installation, with the addition of the STAR1000EVO device.

# E-DRIVE

## OPERATORS FOR SPRING-BALANCED ROLLER SHUTTERS



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## OPERATORS FOR ROLLER SHUTTERS

Model	Nominal Power		Rated Current	Voltage	Phase	Max. Door Size	IP Rating	Duty	No Neutral (N)	Pre-Wired (P)	IP55 (W)	Clutch (C)
E-Drive Operator • Low Cycle • Three Phase 415V									OPTIONAL UPGRADES			
ML6053	0.37kW	0.5Hp	1.6A	415V	3ph	18m <sup>2</sup>	IP44	LC-10	+	+	-	+
ML6103	0.75kW	1.0Hp	2.4A	415V	3ph	36m <sup>2</sup>	IP44	LC-10	+	+	+	+
ML6153	1.10kW	1.5Hp	2.9A	415V	3ph	50m <sup>2</sup>	IP44	LC-10	+	+	+	+
E-Drive Operator • Low Cycle • Single Phase 240V												
ML6051	0.37kW	0.5Hp	3.5A	240V	1ph	18m <sup>2</sup>	IP44	LC-10	-	✓	-	+
ML6102	0.75kW	1.0Hp	6.0A	240V	1ph	36m <sup>2</sup>	IP44	LC-10	-	✓	+	+
E-Drive Operator • High Cycle • Three Phase 415V												
MH6103	0.75kW	1.0Hp	2.0A	415V	3ph	30m <sup>2</sup>	IP44	HC-30	+	+	-	+
E-Drive Operator • High Cycle • Single Phase 240V												
MH6102	0.75kW	1.0Hp	4.4A	240V	1ph	30m <sup>2</sup>	IP44	HC-30	-	✓	-	+
E-Drive Operator • Low Cycle • Three Phase 415V • Smoke Baffle Feature												
ML6103SBF	0.75kW	1.0Hp	2.4A	415V	3ph	36m <sup>2</sup>	IP44	LC-10	+	+	-	+
ML6153SBF	1.10kW	1.5Hp	2.9A	415V	3ph	50m <sup>2</sup>	IP44	LC-10	+	+	-	+
E-Drive Operator • Low Cycle • Single Phase 240V • Smoke Baffle Feature												
ML6102SBF	0.75kW	1.0Hp	6.0A	240V	1ph	36m <sup>2</sup>	IP44	LC-10	-	✓	-	+

When ordering please specify an "L" or an "R" at the end of every part number.  
MCB's with Smoke Baffle Feature are available for E-Drive retrofit.



When ordering please specify the appropriate abbreviation (found above) before the "L" or "R" handing. For example RML6051WR. Prewired is standard with all 1Ph operators.

✓ As standard + Optional Upgrade - Not available

## OPERATOR KITS FOR ROLLER SHUTTERS

Model	Nominal Power	Rated Current	Voltage	Phase	Max. Door Size	IP Rating	Duty
<b>E-Drive Operator • Low Cycle • Monitored Safety Beams • Transmitters</b>							
<b>ML6103RO</b>	0.75kW	1.0Hp	2.4A	415V	3ph	36m <sup>2</sup>	IP44
<b>ML6102RO</b>	0.75kW	1.0Hp	6.0A	240V	1ph	36m <sup>2</sup>	IP44

Kit includes E-Drive Operator, C10A-4 Wall Control, GPS15 Safety Beams and 2 x E960G Wireless Keyring Transmitters.



## Popular Accessories

**Expansion Board with high lid**

EB1

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**Monitored Safety Beam Kit**

GPS15RK

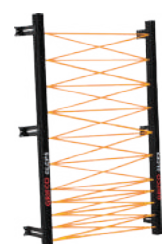
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**Monitored Light Curtain System**

GLCPS

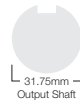
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# M-DRIVE

## OPERATORS FOR SPRING-BALANCED ROLLER SHUTTERS



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									Mechanical Logic			
Model	Nominal Power		Rated Current	Voltage	Phase	Max. Door Size	IP Rating	Duty	Reversing Starter	GLM6L	GLM6	
M-Drive Operator • Low Cycle • Three Phase 415V									CONTROL OPTIONS (NOT INCLUDED)			
ML053M	0.37kW	0.5Hp	1.55A	415V	3ph	18m²	IP44	LC-10	RG374-LB3E006	+	+	+
ML103M	0.75kW	1.0Hp	2.30A	415V	3ph	36m²	IP44	LC-10	RG374-LB3E007	+	+	+
ML153M	1.10kW	1.5Hp	2.55A	415V	3ph	50m²	IP44	LC-10	RG374-LB3E007	+	+	+
M-Drive Operator • Low Cycle • Single Phase 240V												
ML051M	0.37kW	0.5Hp	3.40A	240V	1ph	18m²	IP44	LC-10	RG375-LB1E008	+	+	+
ML102M	0.75kW	1.0Hp	6.0A	240V	1ph	36m²	IP44	LC-10	RG376-LB1E009	+	+	+
M-Drive Operator • High Cycle • Three Phase 415V												
MH103M	0.75kW	1.0Hp	1.95A	415V	3ph	30m²	IP44	HC-30	RG374-LB3E007	+	+	+
M-Drive Operator • High Cycle • Single Phase 240V												
MH102M	0.75kW	1.0Hp	4.35A	240V	1ph	30m²	IP44	HC-30	RG376-LB1E009	+	+	+

When ordering please specify an "L" or an "R" at the end of every part number.  
Clutch (C) option available. Refer additional pricing on page 10.

See page 24 for complete range of Reversing Starters.  
See page 22 for complete range of GLM6 Mechanical Logic Control options to suit each operator.



M-Drive with D80 Flange

## SPECIALTY M-DRIVE OPERATORS FOR ROLLER SHUTTERS

									Mechanical Logic			
Model	Nominal Power		Rated Current	Voltage	Phase	Max. Door Size	IP Rating	Duty	Reversing Starter	GLM6L	GLM6	
M-Drive Operator • High Cycle • Three Phase 415V • D80 Flange (IP50)									CONTROL OPTIONS (NOT INCLUDED)			
MH103M8	0.75kW	1.0Hp	1.95A	415V	3ph	36m²	IP50	HC-60	RG374-LB3E007	+	+	+
M-Drive Operator • High Cycle • Three Phase 415V • Solenoid Brake (IP50)												
MH103MB	0.75kW	1.0Hp	1.95A	415V	3ph	36m²	IP50	HC-60	RG374-LB3E007	+	+	+
M-Drive Operator • High Cycle • Three Phase 415V • Dust Ignition Proof (IP66)												
MH103MD	0.75kW	1.0Hp	1.95A	415V	3ph	36m²	IP66	HC-60	RG374-LB3E007-EX	+	-	-
M-Drive Operator • High Cycle • Three Phase 415V • Flameproof Exd (IP55)												
MH103MF	0.75kW	1.0Hp	1.95A	415V	3ph	36m²	IP55	HC-60	RG374-LB3E007-EX	+	-	-

When ordering please specify an "L" or an "R" at the end of every part number.

See page 24 for complete range of Reversing Starters.  
See page 22 for complete range of GLM6 Mechanical Logic Control options to suit each operator.

## Popular Accessories

**Reversing Starter**

RG374

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**Mechanical Logic Control (Light)**

GLM6L

Page 22



**Mechanical Logic Control**

GLM6

Page 22



**Mounting Plate Kit**

SK1018

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# HD OPERATORS

## HEAVY DUTY OPERATORS FOR ROLLER SHUTTERS



Spare Parts Page 30

Model	Nominal Power		Rated Current	Voltage	Phase	Max. Door Size	IP Rating	Duty	Reversing Starter		Mechanical Logic GLM6H
HD Operator • High Cycle • Three Phase 415V									CONTROL OPTIONS (NOT INCLUDED)		
75003	1.10kW	1.5Hp	2.60A	415V	3ph	50m²	IP44	HC-30	RG374-LB3E007	+	+
75004	1.50kW	2.0Hp	3.30A	415V	3ph	80m²	IP44	HC-30	RG374-LB3E008	+	+

### HD Operator • High Cycle • Single Phase 240V

<b>75001</b>	1.10kW	1.5Hp	6.00A	240V	1ph	40m <sup>2</sup>	IP44	HC-30	RG376-LB1E010	+	+
<b>75012</b>	1.50kW	2.0Hp	8.40A	240V	1ph	65m <sup>2</sup>	IP44	HC-30	RG376-LB1E012	+	+

When ordering please specify an "L" or an "R" at the end of every part number.



## SPECIALTY HEAVY DUTY OPERATORS FOR ROLLER SHUTTERS

Model	Nominal Power		Rated Current	Voltage	Phase	Max. Door Size	IP Rating	Duty	Reversing Starter	Mechanical Logic GLM6H	
HD Operator • High Cycle • Three Phase 415V • Waterproof (IP55)									CONTROL OPTIONS (NOT INCLUDED)		
75055	1.10kW	1.5Hp	2.60A	415V	3ph	50m²	IP55	HC-30	RG374-LB3E007	+	+
75065	1.50kW	2.0Hp	3.30A	415V	3ph	80m²	IP55	HC-30	RG374-LB3E008	+	+

### HD Operator • High Cycle • Three Phase 415V • Solenoid Brake (IP50)

<b>75015</b>	1.50kW	2.0Hp	3.30A	415V	3ph	80m <sup>2</sup>	IP55	HC-30	RG374-LB3E008	+	+
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### HD Operator • High Cycle • Three Phase 415V • Dust Ignition Proof (IP66)

<b>75007</b>	1.10kW	1.5Hp	2.60A	415V	3ph	50m <sup>2</sup>	IP66	HC-30	RG374-LB3E007-EX	+	-
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### HD Operator • High Cycle • Three Phase 415V • Flameproof EXD

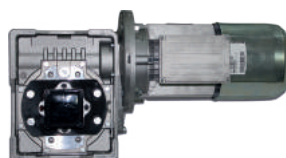
<b>75018</b>	1.50kW	2.0Hp	3.30A	415V	3ph	80m <sup>2</sup>	IP55	HC-30	RG374-LB3E008-EX	+	-
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When ordering please specify an "L" or an "R" at the end of every part number.

See page 24 for complete range of Reversing Starters.  
See page 22 for complete range of GLM6 Mechanical Logic Control options to suit each operator.

# EHD OPERATORS

## EXTRA HEAVY DUTY OPERATORS FOR ROLLER SHUTTERS



Model	Nominal Power		Rated Current	Voltage	Phase	Max. Door Size		IP Rating	Duty	Reversing Starter	
						SB	Non-SB				
EHD Operator • High Cycle • Three Phase 415V										CONTROL OPTIONS (NOT INCLUDED)	
71500	2.5kW	3.3Hp	5.70A	415V	3ph	100m²	80m²	IP50	HC-30	RG374-LB3E009	+
81500	3.0kW	4.0Hp	5.88A	415V	3ph	120m²	100m²	IP50	HC-30	RG374-LB3E010	+

When ordering please specify an "L" or an "R" at the end of every part number.  
SB: Spring Balanced. Non-SB: Non-Spring Balanced

See page 24 for complete range of Reversing Starters.  
See page 22 for complete range of GLM6 Mechanical Logic Control options to suit each operator.

## Popular Accessories

### HD Operator Mounting Plate

MP001

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### EHD Operator Mounting Platform

MP003

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### Mechanical Logic Control (HD)

GLM6H

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### Monitored Light Curtain System

GLCPS

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# FIRE SHUTTER OPERATORS

## OPERATORS FOR FIRE RATED ROLLER SHUTTERS



Spare Parts Page 30

Model	Nominal Power	Rated Current	Voltage	Phase	Max. Door Size	IP Rating	Duty	Fusible Link (F)	Holding Magnet (H)	Reversing Starter	Mechanical Logic			
											GLM6L	GLM6		
Fire Shutter Operator • Low Cycle • Three Phase 415V											CONTROL OPTIONS (NOT INCLUDED)			
58001F	0.75kW	1.0Hp	2.3A	415V	3ph	28m²	IP44	LC-10	-	-	RG374-LB3E007	+	+	+
58001FF	0.75kW	1.0Hp	2.3A	415V	3ph	28m²	IP44	LC-10	✓	-	RG374-LB3E007	+	+	+
58001FFH	0.75kW	1.0Hp	2.3A	415V	3ph	28m²	IP44	LC-10	✓	✓	RG374-LB3E007	+	+	+
58017F	1.10kW	1.5Hp	2.55A	415V	3ph	36m²	IP44	LC-10	-	-	RG374-LB3E007	+	+	+
58017FF	1.10kW	1.5Hp	2.55A	415V	3ph	36m²	IP44	LC-10	✓	-	RG374-LB3E007	+	+	+
58017FFH	1.10kW	1.5Hp	2.55A	415V	3ph	36m²	IP44	LC-10	✓	✓	RG374-LB3E007	+	+	+

### Fire Shutter Operator • Low Cycle • Single Phase 240V

<b>58016F</b>	0.75kW	1.0Hp	6.0A	240V	1ph	28m <sup>2</sup>	IP44	LC-10	-	-	RG376-LB1E009	+	+	+
<b>58016FF</b>	0.75kW	1.0Hp	6.0A	240V	1ph	28m <sup>2</sup>	IP44	LC-10	✓	-	RG376-LB1E009	+	+	+
<b>58016FFH</b>	0.75kW	1.0Hp	6.0A	240V	1ph	28m <sup>2</sup>	IP44	LC-10	✓	✓	RG376-LB1E009	+	+	+

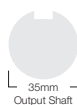
### Fire Shutter Operator • High Cycle • Three Phase 415V

<b>58015F</b>	0.75kW	1.0Hp	1.95A	415V	3ph	28m <sup>2</sup>	IP44	HC-30	-	-	RG374-LB3E007	+	+	+
<b>58015FF</b>	0.75kW	1.0Hp	1.95A	415V	3ph	28m <sup>2</sup>	IP44	HC-30	✓	-	RG374-LB3E007	+	+	+
<b>58015FFH</b>	0.75kW	1.0Hp	1.95A	415V	3ph	28m <sup>2</sup>	IP44	HC-30	✓	✓	RG374-LB3E007	+	+	+

### Fire Shutter Operator • High Cycle • Single Phase 240V

<b>58006F</b>	0.75kW	1.0Hp	4.57A	240V	1ph	28m <sup>2</sup>	IP44	HC-30	-	-	RG376-LB1E009	+	+	+
<b>58006FFH</b>	0.75kW	1.0Hp	4.57A	240V	1ph	28m <sup>2</sup>	IP44	HC-30	✓	✓	RG376-LB1E009	+	+	+

When ordering please specify an "L" or an "R" at the end of every part number.



See page 24 for complete range of Reversing Starters.  
See page 22 for complete range of GLM6 Mechanical Logic Control options to suit each operator.

## SPECIALTY OPERATORS FOR FIRE SHUTTERS

Model	Nominal Power		Rated Current	Voltage	Phase	Max. Door Size	IP Rating	Duty	Fusible Link (F)	Holding Magnet (H)	Reversing Starter	Mechanical Logic		
												GLM6L	GLM6	
Fire Shutter Operator • Low Cycle • Three Phase 415V • Flameproof EXD											CONTROL OPTIONS (NOT INCLUDED)			
58018FF	0.75kW	1.0Hp	2.3A	415V	3ph	28m²	IP55	LC-10	✓	–	RG374-LB3E007-EX	+	–	–

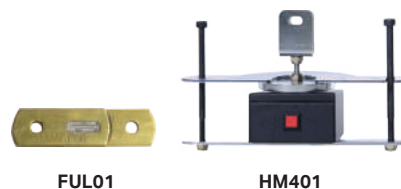
### Fire Shutter Operator • Low Cycle • Three Phase 415V

<b>58019FF</b>	0.75kW	1.0Hp	2.3A	415V	3ph	28m <sup>2</sup>	IP66	LC-10	✓	-	RG374-LB3E007-EX	+	-	-
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See page 24 for complete range of Reversing Starters.

## SPARE PARTS FOR FIRE SHUTTER OPERATORS

Model	Description
Replacement parts for Fire Shutter Operators	
<b>FUL01</b>	Fusible Link only, fuses at 71°C
<b>HM401</b>	24V DC Holding Magnet only inc. test / release button
<b>HM401UK</b>	Support bracket for HM401



## Popular Accessories

### Reversing Starter

RG374

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### Mechanical Logic Control (Light)

GLM6L

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### Uninterrupted Power Supply

CSCT-2000

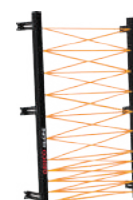
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### Monitored Light Curtain System

GLCPS

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# FIRE SHUTTER MANUAL HOISTS

## HOISTS FOR FIRE RATED ROLLER SHUTTERS



Spare Parts Page 30

Model	Description	Max. Door Size	Fusible Link	Holding Magnet
<b>Fire Shutter Manual Hoists • Controlled Descent Mechanism</b>				
<b>HDHWFF</b>	Auto-descent Fire Shutter Hoist with Fusible Link	16m <sup>2</sup>	✓	-
<b>HDHWFFH</b>	Auto-descent Fire Shutter Hoist with Fusible Link & Holding Magnet	16m <sup>2</sup>	✓	✓

When ordering please specify an "L" or an "R" at the end of every part number. Suits 5mm long link hand chain only.

# MANUAL HOISTS

## HOISTS FOR LIGHT COMMERCIAL ROLLER DOORS AND SHUTTERS

Model	Description	Max. Door Size
<b>Manual Hoists</b>		
<b>HDHWO</b>	Heavy Duty Manual Hoist	22m <sup>2</sup>
<b>EHDHWO</b>	Extra Heavy Duty Manual Hoist	25m <sup>2</sup>

Suits 5mm long link hand chain only.



Spare Parts Page 30

## Popular Accessories

**5mm Hand  
Chain - 8m**  
HC5MM8



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**Manual Hoist  
Mounting  
Plate**  
MP005



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**Fusible  
Link**  
FUL01



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**Holding  
Magnet**  
HM401



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# S-DRIVE

## OPERATOR FOR COMMERCIAL SECTIONAL DOORS



Spare Parts Page 32



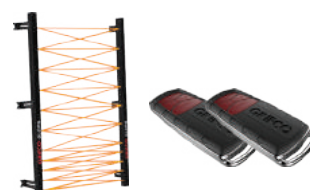
## COMPLETE KITS

Model	Description	Duty
<b>S-Drive Sectional Door Operator • BBU • With GLCPS Light Curtain</b>		
<b>GSDK-R2.4M-GLCPSRK</b>	S-Drive with Rail for max. 2.4m High Door & GLCPS Light Curtain	HC-100
<b>GSDK-R3.6M-GLCPSRK</b>	S-Drive with Rail for max. 3.6m High Door & GLCPS Light Curtain	HC-100
<b>GSDK-RKIT-GLCPSRK*</b>	S-Drive with Rail Kit max. 6.0m High Door & GLCPS Light Curtain	HC-100

## S-Drive Sectional Door Operator • BBU • With GPS15 Reflective Beam Kit

<b>GSDK-R2.4M-GPS15RK</b>	S-Drive with Rail for max. 2.4m High Door & GPS15	HC-100
<b>GSDK-R3.6M-GPS15RK</b>	S-Drive with Rail for max. 3.6m High Door & GPS15	HC-100
<b>GSDK-RKIT-GPS15RK*</b>	S-Drive with Rail Kit max. 6.0m High Door & GPS15	HC-100

All Complete Kits are supplied with 2 x E960G Grifco 4-Channel Transmitters



## INDIVIDUAL COMPONENTS

Model	Description
<b>S-Drive Sectional Door Operator • BBU</b>	
<b>GSD-SDO</b>	S-Drive Operator with BBU

### S-Drive Rails

<b>GSD-R2.4M</b>	S-Drive Rail for max. 2.4m High Door
<b>GSD-R3.6M</b>	S-Drive Rail for max. 3.6m High Door
<b>GSD-RKIT*</b>	S-Drive Rail Kit for max. 6.0m High Door*

\* GSD-RKIT requires steel fabrication of rail length. 50 x 50 x 3mm "DuraGal" or equivalent steel angle required.

### Grifco myQ Internet Gateway

<b>G828AU</b>	Grifco myQ Internet Gateway
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GSD-RKIT



## Popular Accessories

### Transmitter Management Pack

GTM-E960G-50

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### LED Traffic Light

TL24

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### Monitored Reflective Safety Beam

GPS15

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# LS-DRIVE

## OPERATOR FOR LIGHT COMMERCIAL SECTIONAL DOORS



Spare Parts Page 32



LS-Drive is supplied complete with a pair of 774ANZ monitored safety beams and 1 x E960G remote transmitter.

### COMPLETE KITS

Model	Description	Duty
<b>LS-Drive Sectional Door Operator • With 774ANZ Send / Receive Beam Kit</b>		
<b>GLD-SDO-R2.5M</b>	LS-Drive with Rail for max. 2.5m High Door	HC-30
<b>GLD-SDO-R3.0M</b>	LS-Drive with Rail for max. 3.0m High Door	HC-30
<b>LS-Drive Sectional Door Operator • With 774ANZ Send / Receive Beam Kit • With BBU</b>		
<b>GLD-SDO-R2.5M-BBU</b>	LS-Drive with Rail for max. 2.5m High Door with BBU	HC-30
<b>GLD-SDO-R3.0M-BBU</b>	LS-Drive with Rail for max. 3.0m High Door with BBU	HC-30



### INDIVIDUAL COMPONENTS

Model	Description	Duty
<b>LS-Drive Sectional Door Operator</b>		
<b>GLD-SDO</b>	LS-Drive Operator	HC-100
<b>LS-Drive Rails</b>		
<b>GLD-R2.5M</b>	LS-Drive Rail for max. 2.5m High Door	
<b>GLD-R3.0M</b>	LS-Drive Rail for max. 3.0m High Door	
<b>LS-Drive Battery Backup Unit</b>		
<b>GLD-BBU24V</b>	L-Drive Battery Backup Unit 24V	
<b>Grifco myQ Internet Gateway</b>		
<b>G828AU</b>	Grifco myQ Internet Gateway	



### Popular Accessories

**Key Isolation**  
KS108



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**Flashing Lights and Sounders**



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**Transmitter Management Receiver**  
STAR1000EVO



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# REMOTE TRANSMITTERS

## SECURITY +2.0 REMOTE TRANSMITTERS

Model	Description	Channel	Type
<b>E-Drive Remote Transmitters • Portable</b>			
<b>E960G</b>	4-channel Wireless Keyring Transmitter	4	Keyring
<b>E-Drive Remote Transmitters • Fixed</b>			
<b>E138G</b>	Wireless Wall Transmitter	2	Wall
<b>E840G</b>	Wireless Security Keypad	1 (keypad)	Wall
<b>Security +2.0 Transmitter Management</b>			
<b>STAR1000EVO</b>	Transmitter Management for up to 1,000 Devices		
<b>E8003</b>	Security +2.0 3-channel Add-On Receiver		
<b>E860</b>	Weather Resistant Security +2.0 3-channel Add-On Receiver		

All Remote Transmitters are compatible with E-Drive operators.  
Also compatible with M-Drive and many other operators equipped with GLM6 logic only.



E138G



E840G



STAR1000EVO



E8003



E860

## TRANSMITTER MANAGEMENT MULTI-PACK

Model	Description
<b>Transmitter Management Pack</b>	
<b>GTM-E960G-50</b>	Multi-Pack of 50 x E960G Transmitters

Remote transmitters are presented in one single pack to be handed over to end user. Pack contains 50 x E960G transmitters, manual, pen (for marking reverse of transmitters) and protective adhesive films.



# myQ INTERNET GATEWAY

## myQ INTERNET CONNECTIVITY GATEWAY MODULE

Model	Description
<b>Grifco myQ Internet Gateway</b>	
<b>G828AU</b>	Grifco myQ Internet Gateway

One myQ Internet Gateway can control up to sixteen devices.



## LOOP DETECTOR

Model	Description
<b>Loop Detector</b>	
<b>LD000</b>	Loop Detector for Vehicle Detection

LD000 does not include ground loop.



# ENTRAPMENT PROTECTION DEVICES

## MONITORED SAFETY BEAMS

Model	Description
<b>E-Drive Monitored Safety Beam Kit • Reflective</b>	
<b>GPS15</b>	Plug-in Safety Beam Kit, inc beam, reflector, install brackets and 20m cable
<b>GPS15RK</b>	Standard GPS15, supplied as a kit with 2 x E960G Wireless Transmitters
<b>E-Drive Monitored Safety Beam Kit • Send / Receive</b>	
<b>GPS772</b>	Plug-in Safety Beam Kit, inc beams, install brackets & 20m cable
<b>GPS772RK</b>	Standard GPS772, supplied as a kit with 2 x E960G Wireless Transmitters

All Monitored Entrapment Protection Devices are compatible with E-Drive and S-Drive operators.  
Also compatible with M-Drive and many other operators equipped with GLM6 logic only.



GPS15



GPS15RK



GPS772



GPS772RK



GPS15

## MONITORED LIGHT CURTAIN SYSTEM

Model	Description
<b>E-Drive Monitored Light Curtain System</b>	
<b>GLCPS</b>	Light Curtain, inc mounting frames, beams, mount system and 20m cable
<b>GLCPS-B</b>	Bare Light Curtain without mounting frame, inc 10m cable
<b>GLC-10E</b>	10m extension cable for between light curtains
<b>GLC-10C</b>	10m extension cable between operator and light curtain

The Grifco Light Curtain System is compatible with S-Drive and E-Drive operators with V2 software.  
Also compatible with M-Drive and many other operators equipped with GLM6 logic only.



GLCPS-B

GLCPS

## OTHER SAFETY DEVICES

Model	Description
<b>Infrared Safety Beam Kit</b>	
<b>PB008</b>	Safety Beam Kit, including beam, reflector and 9m cable
<b>PB060</b>	Safety Beam Kit, including send/receive beams and 20m cable
<b>Infrared Safety Beam Accessories</b>	
<b>PBBKT1</b>	150mm extension bracket (suitable for both PB008 & PB060)
<b>PBBKT2</b>	20mm extension bracket (suitable for both PB008 & PB060)



PB008



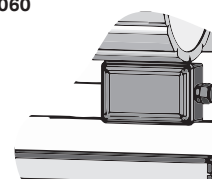
PBBKT1



PBBKT2



PB060



Safety Edge System • 8K2 Signal		Length
<b>BMSE30K</b>	Safety Edge Kit to Detect Obstructions on Closing	3.0m
<b>BMSE45K</b>	Safety Edge Kit to Detect Obstructions on Closing	4.5m
<b>BMSE60K</b>	Safety Edge Kit to Detect Obstructions on Closing	6.0m
<b>BMSE75K</b>	Safety Edge Kit to Detect Obstructions on Closing	7.5m
<b>BMSE90K</b>	Safety Edge Kit to Detect Obstructions on Closing	9.0m
<b>RCR06</b>	Retractable Cable Reel	

All non-monitored safety beams are compatible with E-Drive operators and operators with GLM6 logic controls.  
Please be careful when ordering as lengths supplied too short cannot be refunded.

# E-DRIVE LOGIC CONTROLS

## E-DRIVE EXPANSION BOARDS

Model	Description	For Use With
<b>E-Drive Expansion Board</b>		
<b>EB1</b>	EB with Mounting Cradle & E-Drive High Lid	E-Drive
<b>EB1-G</b>	EB with Mounting Cradle only	GLM6

All remote transmitters are compatible with E-Drive operators.

Also compatible with M-Drive and many other operators equipped with GLM6 logic only. See below for details.  
For expansion board for legacy GLM6L please contact customer service referencing EB1-GL.



**EB1**  
With Mounting Cradle and  
High Lid for E-Drive

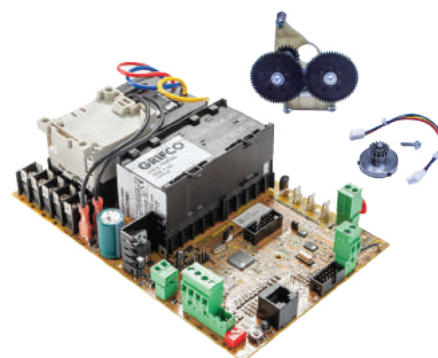


**EB1-G**  
With Mounting Cradle only  
for GLM6 and GLM6L



## E-DRIVE CONVERSION KITS FOR LEGACY OPERATORS

Model	Description
<b>M123ED6</b>	E-Drive myQ conversion Kit for Mk1,2,3 (Includes APE)
<b>M123EDN6</b>	E-Drive myQ conversion Kit for Mk1,2,3 - No Neutral (Includes APE)
<b>MCB6ED</b>	E-Drive myQ conversion MCB for Mk4&5 - (No APE)
<b>MCB6EDN</b>	E-Drive myQ conversion MCB for Mk4&5 - No Neutral (No APE)



## LOGIC CONTROLS FOR OPERATORS WITH MECHANICAL LIMITS

Model	Enclosure Material	Suits Operators
<b>Mechanical Logic • Metal Enclosure • Lockable Enclosure • Integrated Key Switch</b>		
<b>GLM6</b>	Metal	M-Drive / Fire Shutter Operators
<b>GLM6N</b>	Metal	M-Drive / Fire Shutter Operators (No Neutral)
<b>Mechanical Logic • Plastic Enclosure</b>		
<b>GLM6L</b>	Plastic	M-Drive / U-Drive / Fire Shutter Operators
<b>GLM6NL</b>	Plastic	M-Drive / U-Drive / Fire Shutter Operators (No Neutral)
<b>GLM6H-153</b>	Plastic	HD Operators max. 1.5Hp 3ph
<b>GLM6NH-153</b>	Plastic	HD Operators max. 1.5Hp 3ph (No Neutral)
<b>GLM6H-203</b>	Plastic	HD Operators max. 2.0Hp 3ph
<b>GLM6NH-203</b>	Plastic	HD Operators max. 2.0Hp 3ph (No Neutral)
<b>GLM6H-102</b>	Plastic	HD Operators max. 1.0Hp Single Phase
<b>GLM6H-152</b>	Plastic	HD Operators max. 1.5Hp Single Phase
<b>GLM6H-202</b>	Plastic	HD Operators max. 2.0Hp Single Phase
<b>Mechanical Logic Kits • Plastic Enclosure • Monitored Safety Beams • 2 x E960G Transmitters</b>		
<b>GLM6L-GPS15RK</b>	Plastic	M-Drive / Fire Shutter Operators
<b>GLM6L-GPS772RK</b>	Plastic	M-Drive / Fire Shutter Operators

Provides full E-Drive logic to M-Drive, U-Drive, Fire Shutter and HD Operators as well as 3rd party operators with mechanical limits.  
Replacement key for key switch available.



**GLM6**



**GLM6L/H**



**GLM6L-GPS15RK**

# WALL CONTROLS

## E-DRIVE WALL CONTROLS

Model	Description	Enclosure Material
<b>E-Drive Wall Control • Basic Operation</b>		
<b>C10A-8</b>	Standard E-Drive myQ Control	Plastic
<b>C10AW-8</b>	Standard E-Drive myQ Control Waterproof	Plastic
<b>C10A-4</b>	Standard E-Drive Control	Plastic
<b>C10AW-4</b>	Standard E-Drive Control, Waterproof	Plastic
<b>C30A</b>	Standard E-Drive Control	Metal

C10A-8 is supplied standard with all E-Drive Operators.

### E-Drive Wall Control • Key Switch Operation

<b>C21B</b>	Includes Basic Key Isolator	Plastic
<b>C41B</b>	Includes Basic Key Isolator	Metal
<b>C23B</b>	Includes "Lock-it-Well" Key Isolator	Plastic
<b>C43B</b>	Includes "Lock-it-Well" Key Isolator	Metal
<b>C21D-2</b>	Includes Multi-Mode Key Isolator	Plastic
<b>C41D-2</b>	Includes Multi-Mode Key Isolator	Metal

"Lock-it-Well" Key Isolator features re-keyable cylinder.

Multi-Mode Key Isolator features Off, Auto, Auto/Manual Modes.



C10A-8

Model	Description
<b>E-Drive Wall Control • Spare Parts</b>	
<b>SA-500-4-SALES</b>	C10A-8 Control Lid Assembly, myQ
<b>SA-500-1-SALES</b>	C10A-4 Control Lid Assembly Only, no myQ
<b>EB-P011-1</b>	C10A (all) Control Base Only
<b>R455</b>	Replacement key for basic locks (C21B, C41B, C21D-2, C41D-2, GLM6)

## CUSTOMER SPECIFIED E-DRIVE WALL CONTROLS

Model	Description	Enclosure Material
<b>E-Drive Wall Control • Customer Specified</b>		
<b>C50EC</b>	Woolworths Specification	Plastic
<b>C63BSC</b>	Target and K-Mart Specification	Metal
<b>C53BW</b>	Big W Specification	Plastic



C63BSC



C53BW



C50EC



# REVERSING STARTERS

## THREE PHASE 415V REVERSING STARTERS

Model	Overload	Suits Operators
Reversing Starters • Three Phase 415V • 240V Coils • IP55		
<b>RG374-LB3E006</b>	0.9A - 1.3A	0.37kW 0.5Hp 415V
<b>RG374-LB3E007</b>	2.3A - 3.2A	0.75kW 1Hp 415V to 1.1kW 1.5Hp 415V
<b>RG374-LB3E008</b>	2.9A - 4.0A	1.5kW 2.0Hp 415V
<b>RG374-LB3E009</b>	4.5A - 6.3A	2.2kW 3Hp 415V
<b>RG374-LB3E010</b>	5.5A - 7.5A	3kW 4Hp 415V
<b>RG374-LB3E012</b>	7.2A - 10.0A	4kW 5Hp 415V

Reversing Starters • Three Phase 415V • 415V Coils • IP55		
<b>RG378-LB3E006</b>	0.9A - 1.3A	0.37kW 0.5Hp 415V
<b>RG378-LB3E007</b>	2.3A - 3.2A	0.75kW 1Hp 415V to 1.1kW 1.5Hp 415V
<b>RG378-LB3E008</b>	2.9A - 4.0A	1.5kW 2.0Hp 415V



RG374-LB3E006

## SINGLE PHASE 240V REVERSING STARTERS

Model	Overload	Suits Operators
Reversing Starters • Single Phase 240V • 3 Wire • IP55		
<b>RG375-LB1E008</b>	2.9A - 4.0A	0.37kW 0.5Hp 240V 3-Wire
<b>RG375-LB1E009</b>	4.5A - 6.3A	0.75kW 1Hp 240V 3-Wire

Reversing Starters • Single Phase 240V • 4 Wire • IP55		
<b>RG376-LB1E009</b>	4.5A - 6.3A	0.75kW 1Hp 240V 4-Wire
<b>RG376-LB1E010</b>	5.5A - 7.5A	1.1kW 1.5Hp 240V 4-Wire
<b>RG376-LB1E012</b>	7.2A - 10.0A	1.5kW 2.0Hp 240V 4-Wire

## THREE PHASE 415V REVERSING STARTERS WITH SPECIAL FEATURES

Model	Overload	Suits Operators
Reversing Starters with Special Features • Three Phase 415V 1Hp		
<b>RG374-LB3E007-HP</b>	2.3A - 3.2A	RG374 in IP56 Water Resistant Housing
<b>RG374-LB3E007-KS101</b>	2.3A - 3.2A	Basic Key Isolator
<b>RG374-LB3E007-KS201</b>	2.3A - 3.2A	"Lock-it-Well" Key Isolator
<b>RG374-LB3E007-RE024C</b>	2.3A - 3.2A	24V DC Relay for Close Signal
<b>RG374-LB3E007-RE240D</b>	2.3A - 3.2A	240V AC Relay for Dock Leveler Interface

Replacement key for KS101 available. See page 21 for details.

### Reversing Starters with Special Features • Three Phase 415V • Explosion Proof • Dust Ignition Proof

<b>RG374-LB3E007-EX</b>	2.3A - 3.2A	M-Drive Operator MH103MF (240V Coils)
<b>RG374-LB3E008-EX</b>	2.9A - 4.0A	HD Operators 75007 / 75018



RG374-LB3E007-EX



RG374-LB3E007-HP



RG374-LB3E007-KS101



RG374-LB3E007-KS201

# KEY SWITCHES AND PUSH BUTTONS

## KEY SWITCHES

Model	Description	IP Rating	Master Keyable	Enclosure Material
<b>Key Switches • Up/Down Control • 3 Position • N/O Contacts • Surface Mounted</b>				
<b>KS103</b>	Lockwood Style 3-position spring return	IP50	✓	Plastic
<b>KS103HP</b>	"Lock-it-Well" 3-position spring return	IP56	✓	Plastic
<b>KS104</b>	Basic 3-pos spring return	IP54	–	Plastic
<b>KS111</b>	Lockwood Style 3-position spring return	IP50	✓	Metal
<b>KS107</b>	Basic 3-pos spring return Vandal Resistant	IP54	✓	Metal

### Key Switches • Key Isolation • 2 Position • N/O Contacts • Surface Mounted

<b>KS108</b>	"Lock-it-Well" Key Isolator	IP50	✓	Plastic
<b>KS109</b>	Basic Key Isolator	IP50	–	Plastic
<b>KS110</b>	Basic Key Isolator	IP50	–	Metal

Replacement key for basic operators available.



KS103



KS103HP



KS104



KS107



KS108



KS109



KS110



KS111

Model	Description	Key Switches
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### Key Switches • Stainless Steel • N/O Contacts • Flush Mounted

<b>KS106</b>	Lockwood Style Up/Down Spring Return 3-Position	1
<b>KS1062 (H/V)</b>	Lockwood Style Up/Down Spring Return 3-Position	2
<b>KS1063 (H/V)</b>	Lockwood Style Up/Down Spring Return 3-Position	3
<b>KS1064 (H/V)</b>	Lockwood Style Up/Down Spring Return 3-Position	4
<b>KS1065 (H/V)</b>	Lockwood Style Up/Down Spring Return 3-Position	5

Available in either Vertical (V) or Horizontal (H) configuration. Please specify when ordering.  
KS1065H configuration (5 Key Switches Horizontal) shown below.



KS1065H



KS106

## PUSH BUTTONS

Model	Description
<b>Push Button • General Control Interface</b>	
<b>PU101</b>	Single Push Button IP50
<b>PU103L</b>	3 Position Up/Down/Stop Push Button IP40
<b>PU100</b>	Mushroom Head Emergency Stop Button



PU103L



PU100



PU101

# WARNING SYSTEMS

## LED TRAFFIC SIGNAL

Model	Description
<b>Traffic Light</b>	
<b>TL24</b>	2 Aspect LED Traffic Light 24V DC (red and green) IP55
Compatible with S-Drive Sectional Door Operators and E-Drive Operators (requires expansion board).	



## FLASHING LIGHTS

Model	Description
<b>Flashing Light • IP65 • 24V</b>	
<b>GWS-L24R</b>	Flashing Light LED 24V Red
<b>GWS-L24Y</b>	Flashing Light LED 24V Yellow
<b>GWS-L24G</b>	Flashing Light LED 24V Green
<b>Flashing Light • IP65 • 240V</b>	
<b>GWS-L240R</b>	Flashing Light LED 240V Red
<b>GWS-L240Y</b>	Flashing Light LED 240V Yellow
<b>GWS-L240G</b>	Flashing Light LED 240V Green



GWS-L240R



GWS-L24R

## SOUNDERS

Model	Description
<b>Sounder • IP65 • 24V</b>	
<b>GWS-S24</b>	Sounder 24V 100-112dB Variation
<b>Sounder • IP65 • 240V</b>	
<b>GWS-S240</b>	Sounder 240V 20dB Variation



GWS-S240



GWS-S24

# UNINTERRUPTED POWER SUPPLY

## UPS UNIT FOR SINGLE PHASE OPERATORS

Model	Suits Operators
Uninterrupted Power Supply Unit • 2.0kW 240VAC UPS	
<b>CSCT-2000</b>	Max 1.0Hp Single Phase E-Drive / M-Drive / Fire Shutter Operators



# SWITCHES AND TIMERS

## LIMIT SWITCHES

Model	Description
Enclosed Limit Switches	
<b>SW01</b>	Limit Switch IP40
<b>SW02</b>	Roller Action Limit Switch IP67
<b>SW03</b>	Plunger Limit Switch IP67
<b>SW04</b>	Whisker Limit Switch IP67

Limit Switches feature normally open N/O and normally closed N/C contacts.



SW01



SW02



SW03



SW04

## AUTOMATIC TIMER

Model	Description
Automatic Timer	
<b>AT000</b>	Automatic Timer 24hr 7day

Automatic timer is supplied within plastic enclosure as shown.



# MOUNTING EQUIPMENT

## E-DRIVE • M-DRIVE TRANSMISSION KITS

Model	Description	Output Shaft Sprocket	Drive Chain	Hauling Chain
Transmission Kits for E-Drive • M-Drive				
<b>THK-10B</b>	Transmission Kit with 10B Hardware	S1014	10B	8m
<b>THK-12B</b>	Transmission Kit with 12B Hardware	S1212	12B	8m



## E-DRIVE • M-DRIVE MOUNTING PLATE KITS

Model	Description	Output Shaft Sprocket	Drive Chain	Hauling Chain
Mounting Plate Kits for E-Drive • M-Drive				
<b>MPM01</b>	Mounting Plate only for E-Drive / M-Drive Operators	-	-	-
<b>SK101</b>	Mounting Plate, with S1014 Sprocket & 10B Chain	S1014	10B	-
<b>SK1018</b>	Mounting Plate, with S1014 Sprocket, 10B Chain & 8m Hauling Chain	S1014	10B	8m
<b>SK121</b>	Mounting Plate, with S1212 Sprocket & 12B Chain	S1212	12B	-
<b>SK1218</b>	Mounting Plate, with S1212 Sprocket, 12B Chain & 8m Hauling Chain	S1212	12B	8m



### In-board Mounting Kit for E-Drive • M-Drive

<b>IBMK</b>	In-board Mounting Kit for E-Drive / M-Drive Operators	-	-	-
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See matching bolt pack for mounting plates (part no. MBM03).  
IBMK requires separate mounting plate kit.



MPM01



SK101



SK1018



SK121



SK1218



IBMK

## OTHER MOUNTING PLATES

Model	Description	E-Drive M-Drive	HD Operators	EHD Operators	Manual Hoists
Mounting Plates for all Door Operators					
<b>MP001</b>	Mounting Plate only for HD Operators 10mm	-	✓	-	-
<b>MP003</b>	Mounting Platform only for EHD Operators 10mm	-	-	✓	-
<b>MP005</b>	Mounting Plate only for Manual Hoists 8mm	-	-	-	✓
<b>MP000</b>	Universal Mounting Plate for E-Drive / M-Drive / Manual Hoists 8mm	✓	-	-	✓

### Mounting Adaptor Plates

<b>AP01</b>	For mounting E-Drive / M-Drive to legacy MD58 Operator plates	✓	-	-	-
<b>AP02</b>	For mounting legacy MD58 Operators to E-Drive / M-Drive plates	-	-	-	-

### Mounting Angle

<b>MA001</b>	Wall Mounting Angle (8mm x 75mm x 300mm)	✓	✓	✓	✓
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### Anti-vibration Kit for E-Drive • M-Drive • Sectional Door Operators

<b>AVK</b>	Anti-Vibration Kit for E-Drive / M-Drive Operators	✓	-	-	-
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MP003



# TRANSMISSION HARDWARE

## SPROCKETS AND PLATEWHEELS

Model	Description	Teeth	Suits Chain	Bore Size	Key Size
<b>Drive Sprockets</b>					
<b>S0828</b>	08B 28T 31.75mm bore 8mm key	28T	08B	31.75mm	8mm
<b>S1011</b>	10B 11T 25mm bore 8mm key	11T	10B	25.00mm	8mm
<b>S1014</b>	14T 10B 31.75mm 8mm key	14T	10B	31.75mm	8mm
<b>S1014-35</b>	14T 10B 35mm 8mm key	14T	10B	35.00mm	8mm
<b>S1019</b>	19T 10B 31.75mm 8mm key	19T	10B	31.75mm	8mm
<b>S1028</b>	28T 10B 31.75mm 8mm key	28T	10B	31.75mm	8mm
<b>S1212</b>	12T 12B 31.75mm 8mm key	12T	12B	31.75mm	8mm
<b>S1212-35</b>	12T 12B 35mm 8mm key	12T	12B	35.00mm	8mm
<b>S1215</b>	15T 12B 31.75mm 8mm key	15T	12B	31.75mm	8mm
<b>S1612-42</b>	12T 16B 42mm bore 12x8mm key	12T	16B	42.00mm	8mm

### Platewheels • Series II Plastic Drum Wheel

<b>PS200</b>	Series II Plastic Drum	43T	10B
<b>PS200S</b>	Series II Steel Drum	43T	10B

### Platewheels • Standard Platewheels

<b>P1038</b>	38T 10B Platewheel	38T	10B
<b>P1045</b>	45T 10B Platewheel	45T	10B
<b>P1057</b>	57T 10B Platewheel	57T	10B
<b>P1245</b>	45T 12B Platewheel	45T	12B
<b>P1257</b>	57T 12B Platewheel	57T	12B

### Easy Fit Sprocket

<b>EFS43</b>	43T 10B Easy Fit Sprocket	43T	10B
<b>EFS57</b>	57T 10B Easy Fit Sprocket	57T	10B

## DRIVE CHAIN AND HAND CHAIN

Model	Description
<b>Drive Chain • 1.5m Length</b>	
<b>DC08B</b>	08B Chain Length for Drive Connection (inc. Link)
<b>DC10B</b>	10B Chain Length for Drive Connection (inc. Link)
<b>DC12B</b>	12B Chain Length for Drive Connection (inc. Link)
<b>DC16B</b>	16B Chain Length for Drive Connection (inc. Link)
<b>Drive Chain • 30m Spool</b>	
<b>DC10B100</b>	10B Chain Length 30m Spool
<b>DC12B100</b>	12B Chain Length 30m Spool
<b>Drive Chain • Individual Links</b>	
<b>CL08</b>	08B Link
<b>CL10.5</b>	10B Half Link
<b>CL10</b>	10B Link
<b>CL12</b>	12B Link
<b>CL16</b>	16B Link
<b>Hand Chain</b>	
<b>HC5MM</b>	Gal long link hand chain 5mm, not calibrated - per metre
<b>HC5MM8</b>	Gal long link hand chain 5mm, not calibrated - 8m length
<b>HC500KG/G</b>	Gal Hand Chain 500kg 5mm, long link, not calibrated
<b>HC500KG/Z</b>	Zinc Hand Chain 500kg 5mm, long link, not calibrated



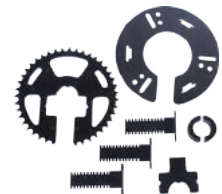
S1212



PS200



P1045



EFS43





DC10B



# E-DRIVE / M-DRIVE SPARE PARTS

## E-DRIVE / M-DRIVE REPLACEMENT MOTORS

Motor Specifications							
<b>Duty</b>	LC	LC	HC	LC	LC	HC	LC
<b>Hp</b>	0.5Hp	1.0Hp	1.0Hp	0.5Hp	1.0Hp	1.0Hp	1.5Hp
<b>Phase</b>	1ph	1ph (4 wire)	1ph (4 wire)	3ph	3ph	3ph	3ph
<b>Voltage</b>	240V	240V	240V	415V	415V	415V	415V

### Replacement Motors for E-Drive • E-Drive • Maestro Operators

<b>E-Drive</b>	EDL051	EDL102	EDH102	EDL053	EDL103	EDH103	EDL153
<b>Price</b>	700.00	780.00	840.00	500.00	550.00	870.00	910.00

### Replacement Motors for M-Drive Operators

<b>M-Drive</b>	EDL051M	EDL102M	EDH102M	EDL053M	EDL103M	EDH103M	EDL153M
<b>Price</b>	780.00	860.00	960.00	590.00	620.00	990.00	1,030.00

## MAIN CONTROL BOARD (MCB)

Model	Description	Suits Product
<b>Replacement MCB for E-Drive Operators • myQ</b>		
<b>MCB6ED</b>	Standard MCB	E-Drive
<b>MCB6EDN</b>	Standard MCB, No neutral	E-Drive
<b>MCB6ED-SBF</b>	MCB with Smoke Baffle Feature	E-Drive
<b>MCB6EDN-SBF</b>	MCB with SBF, No neutral	E-Drive
<b>GLM6-MCB</b>	MCB for GLM6 Control	GLM6
<b>GLM6N-MCB</b>	MCB for GLM6N Control	GLM6N
<b>MCB6-415CONV</b>	No Neutral Conversion Kit	E-Drive 3ph

### MCB Alternate Mount Kits

<b>WMK1</b>	Wall Mount Kit, inc. 1.5m lead & terminal block
<b>RBK2</b>	Rotation Bracket Kit

### Other Related MCB Spares

<b>APE1</b>	Absolute Positioning Encoder
<b>MCEP1</b>	MCB Enclosure, inc. standard lid
<b>MCBE1</b>	MCB Enclosure, inc. base plate & cradle
<b>MCBEH1</b>	MCB Enc, inc. base plate & cradle (high lid)
<b>MCBEW1</b>	MCB Enclosure for wall/ceiling mount
<b>MCBEWH1</b>	MCB Enclosure for wall/ceiling mount (high lid)
<b>MCBC1</b>	MCB Cradle only
<b>GPI</b>	Push in Grommets for MCB base

## REPLACEMENT GEARBOXES

Model	Description	Suits Opener	Output Shaft Size
<b>E-Drive Replacement Gearboxes</b>			
<b>RM4</b>	Gearbox with APE	E-Drive	25.00mm
<b>ML4</b>	Gearbox with APE	E-Drive	31.75mm

### Mechanical Opener Replacement Gearboxes

<b>ML-M</b>	Gearbox with Mech Limits	LC M-Drive	31.75mm
<b>MH-M</b>	Gearbox with Mech Limits	HC M-Drive	31.75mm
<b>MH8-M</b>	Gearbox with Mech Limits	MH103M8	31.75mm
<b>750</b>	Gearbox with Mech Limits	HD Openers	31.75mm

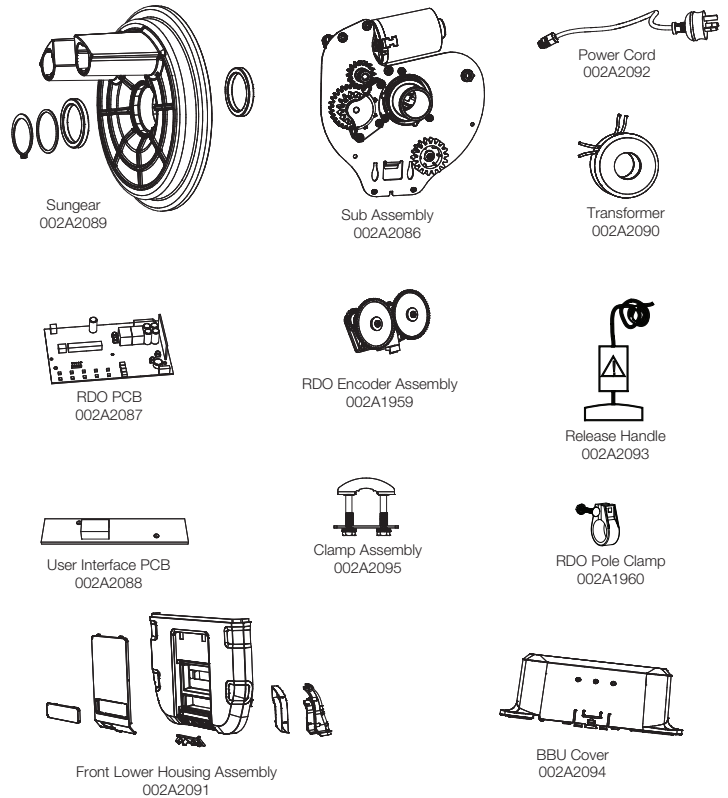
When ordering please specify an "L" or an "R" at the end of every part number.

## OTHER SPARES

Model	Description	Suits Product
<b>General Accessories</b>		
<b>ESK01</b>	Control Cable Extension Kit	E-Drive
<b>TB210</b>	Twin Terminal Blocks (10 pack)	Expansion Board
<b>TB310</b>	3-Way Terminal Blocks (10 pack)	E-Drive MCB
<b>TBE210</b>	2-Way Terminal Blocks (10 pack)	E-Drive MCB
<b>RJC6M</b>	Plug In Control Lead 6m	E-Drive
<b>LSMD5</b>	MD58 Limit Switch Assembly	M-Drive
<b>MDT01</b>	Terminal Box Only	M-Drive / HD
<b>MD22</b>	Chain Guide Only	All
<b>DPRK</b>	Diamond Plate Replacement Kit	All
<b>MBM03</b>	Mounting Plate Bolt Kit	E-Drive / M-Drive
<b>CGH26</b>	Manual Hoist Chain Guide Only	Manual Hoist
<b>CWP01</b>	Plastic Handwinder Chainwheel	Manual Hoist
<b>CWA01</b>	Aluminium Chain Wheel 16mm Bore	MD58 (legacy)
<b>CWA02</b>	Aluminium Chain Wheel 25mm Bore	HD Openers
<b>HD24</b>	Steel Chain Guide	HD Openers
<b>ACEMRK</b>	ACEM Repair Kit	All
<b>CAP01</b>	Run Capacitor 30µf 440V	E-Drive / mD 1Ph
<b>CAP02</b>	Start Capacitor 100µf 220V	E-Drive / mD 1Ph
<b>3L</b>	Limit switch including 3 limits	All Mechanical

# LR-DRIVE SPARE PARTS

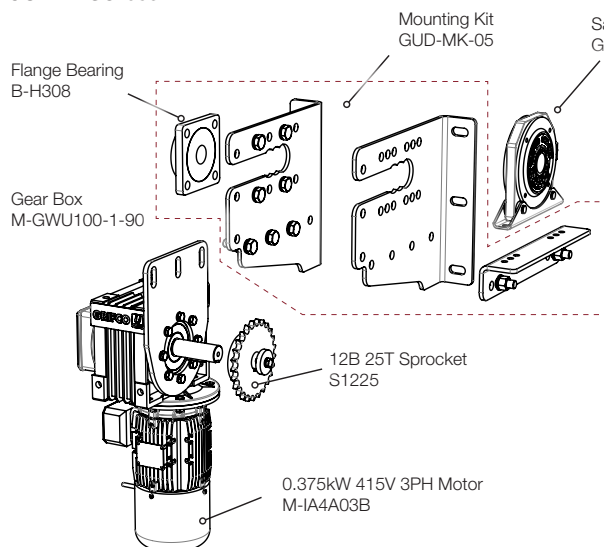
Model	Description
<b>Replacement Parts for LR-Drive Roller Door Operator</b>	
<b>002A2089</b>	Sungear Assembly
<b>002A2086</b>	Operator Sub Assembly
<b>002A2092</b>	Power Cord
<b>002A2090</b>	Toroid Transformer
<b>002A2087</b>	Main PCB
<b>002A1959</b>	Encoder Sub Assembly
<b>002A2093</b>	Release Handle
<b>002A2088</b>	User Interface PCB
<b>002A2095</b>	Clamp Assembly
<b>002A1960</b>	RDO STOP COLLAR
<b>002A2091</b>	Front Lower Housing Assembly
<b>002A2094</b>	BBU Cover
<b>GLD-BBU24V</b>	Complete BBU Unit for LR-Drive



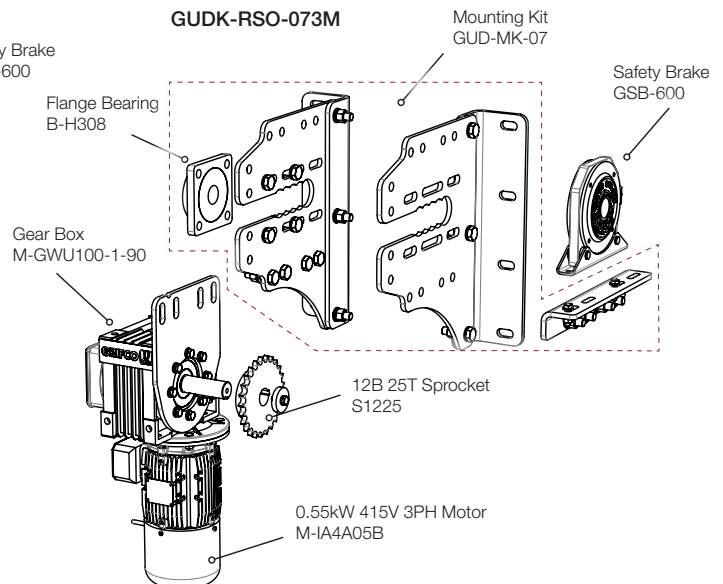
# U-DRIVE SPARE PARTS

Model	Description
<b>Replacement Parts for U-Drive Non-Spring Balanced Roller Shutter Operator</b>	
<b>GUD-MK-05</b>	Mounting Kit for GUDK-RSO-053M
<b>GUD-MK-07</b>	Mounting Kit for GUDK-RSO-073M
<b>GSB-600</b>	Safety Brake, 600Nm
<b>B-H308</b>	Flange Bearing
<b>M-GWU100:1-90</b>	U-Drive Gear Box
<b>S1225</b>	Drive Sprocket 12B 25T 35mm Bore
<b>M-IA4A03B</b>	Motor for GUDK-RSO-053M 0.375kW 415V 3PH
<b>M-IA4A05B</b>	Motor for GUDK-RSO-073M 0.55kW 415V 3PH
<b>S1238-40</b>	Drive Sprocket 12B 38T 40mm Bore
<b>S1245-40</b>	Drive Sprocket 12B 45T 40mm Bore

## GUDK-RSO-053M

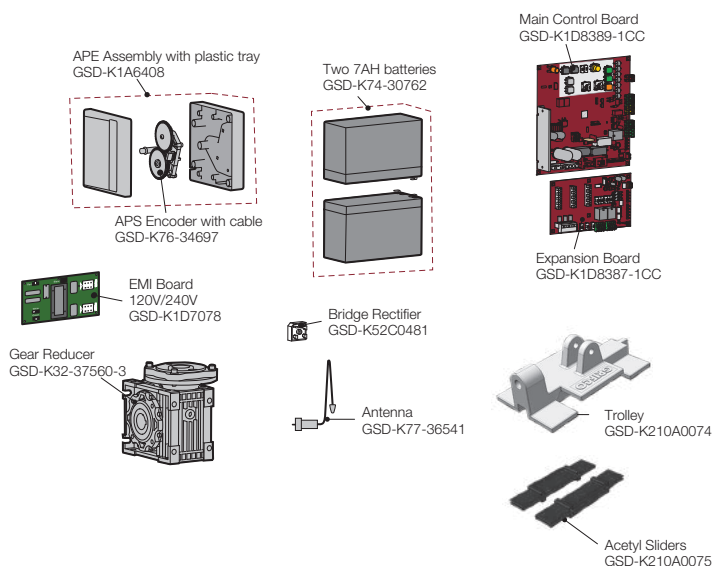


## GUDK-RSO-073M



# S-DRIVE SPARE PARTS

Model	Description
<b>Replacement Parts for S-Drive Sectional Door Operator</b>	
<b>GSD-K76-36398</b>	Motor, 1/2 HP, 24 VDC
<b>GSD-K32-37560-3</b>	Gear Box (Ratio 28:1)
<b>GSD-K1D8389-1CC</b>	Main Control Board (MCB) with heat sink
<b>GSD-K1D8387-1CC</b>	Expansion Board
<b>GSD-K1D7078</b>	EMI Board
<b>GSD-K1A6408</b>	APE Assembly
<b>GSD-K76-34697</b>	APS Encoder with cable
<b>GSD-K204C0211</b>	Toroid Transformer
<b>GSD-K52C0481</b>	Bridge Rectifier
<b>GSD-K74-30762</b>	Two 7AH Batteries
<b>GSD-K94-37205</b>	Battery Harness (for 7AH Batteries)
<b>GSD-K77-36541</b>	Antenna
<b>GSD-K210A0074</b>	Cast Aluminium Trolley
<b>GSD-K210A0075</b>	Two Acetyl Sliders for Trolley
<b>GSD-K94-34778</b>	Main MCB & Expansion Board Harness
<b>GSD-K76-37858</b>	Chassis Reset Switch with Product ID
<b>GSD-K94-36540</b>	Wiring Harness with Product ID
<b>GSD-STARBRKT</b>	Mounting Bracket for STAR1000EVO
<b>K75-10174</b>	Rail Front Idler Assembly
<b>K75-12870</b>	Push are and J-Bar Assembly

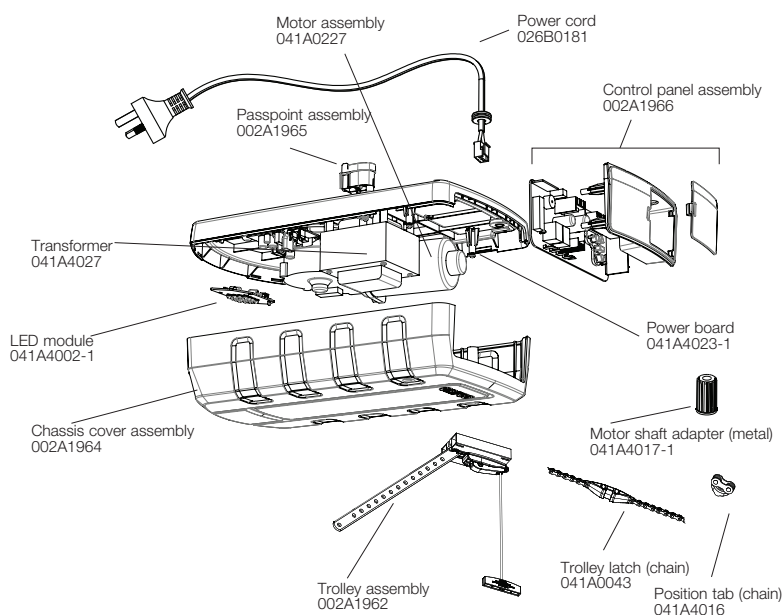


## Not Shown

GSD-K94-34778	Wire harness between main control board & expansion board
GSD-K76-37858	Reset Button with product ID assembly
GSD-STARBRKT	Bracket to mount STAR1000EVO inside operator
K75-12870	Push arm & j-bar assembly (inc. door bracket & hardware)
K75-10174	Rail Front Idler Assembly

# LS-DRIVE SPARE PARTS

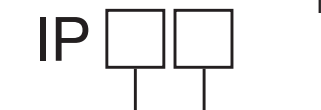
Model	Description
<b>Replacement Parts for LS-Drive Sectional Door Operator</b>	
<b>041A0227</b>	Motor assembly
<b>041A4023-1</b>	Power board
<b>002A1966</b>	Control panel assembly
<b>002A1965</b>	Passpoint assembly
<b>041A4027</b>	Transformer
<b>026B0181</b>	Power cord
<b>002A1964</b>	Chassis cover assembly
<b>041A4002-1</b>	LED module
<b>002A1962</b>	Trolley Assembly
<b>041A4017-1</b>	Motor Shaft Adaptor
<b>041A0043</b>	Trolley Latch (chain)
<b>041A4016</b>	Position Tab (chain)
<b>002A1963</b>	LS-Drive Drive Sprocket Assembly













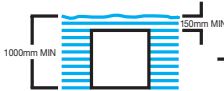
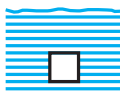
# IP RATING CHART

## ENCLOSURE PROTECTION FOR ELECTRICAL EQUIPMENT

The FIRST NUMERAL indicates protection of persons against access to hazardous parts, and protection of equipment against ingress of solid foreign objects.  
(see AS 1939, Clause 5)



The SECOND NUMERAL indicates protection of equipment against harmful ingress of water.  
(see AS 1939, Clause 6)

	X	Protection unspecified (untested)		X	Protection unspecified (untested)
	0	Non-protected		0	Non-protected
The "flash" symbol indicates hazardous parts (live or moving)	1	Protection of the back of the hand against accidental access to hazardous parts, and protection of equipment against objects larger than 50mm.		1	Protection against drops of water falling vertically.
	2	Protection of fingers against access to hazardous parts, and protection of equipment against objects larger than 12.5mm.		2	Protection against drops of water falling vertically when the object is tilted up to 15° from its normal position (in any direction).
	3	Protection of persons holding tools or wires (larger than 2.5mm diameter), and protection of equipment against objects larger than 2.5mm (e.g. ball bearings)		3	Protection against spraying water at up to 60° from the vertical.
	4	Protection of persons holding small tools or wires (larger than 1mm diameter), and protection of equipment against objects larger than 1mm. (e.g. ball bearings)		4	Protection against splashing and spraying water from all practicable directions.
	5	Protection against entry of dust in sufficient quantity to interfere with satisfactory operation of equipment.		5	Protection against low pressure jets of water from all practicable directions.
	6	Complete protection against entry of dust.		6	Protection against heavy seas or a strong jet of water from all practicable directions.
				7	Protection against temporary immersion.
				8	Protection against continuous submersion (tests subject to agreement, but no less severe than second numeral 7).



# E-DRIVE CONTROL BOARDS



## C10A Control Panel

Multiple functions at the wall control:

- Limit setting
- Power indicator
- Auto-close (10 sec increments)
- Fault diagnostics
- Door direction
- Remote learning
- External key switch options
- E-Stop for auxiliary emergency stop control

## Access Control Devices

Toggle input for access devices such as card readers, loop detectors or the Grifco STAR1000EVO transmitter management system

## Safety Cut-off Terminal

Screw terminal for safety cut-off input and thermal overload

## Service Connection

Terminal for diagnostics & debugging of software (Grifco only)

## Mechanically Interlocked Contactors

Safety device for motor protection

## Dock Leveller Integration

Connect to a dock levelling device via relays 1 & 2

## 4 Relays for External Devices

Allow devices such as lights & sounders to behave in certain ways or connection to building management outputs

- Relay 1: Open Status
- Relay 2: Closed Status
- Relay 3: Door Moving Status
- Relay 4: Service Required (with DIP Switch configuration)

## Coaxial Antenna Connection

Connection for antenna

## External Receiver Cards

Connection for industry standard receiver cards

## Connection to Wall Control

Connection to the low voltage C10A-4 wall control (supplied with E-Drive +2.0) or advanced wall controls

## Learn Button

Dedicated learn button for myQ and up to 64 Security +2.0 transmitters

## Reset Button

Reset safety beams when required

## Inching & Latching

Dip switches offer selection between 'inching' & 'latching' door behaviour in both open & closed directions

## Monitored Entrapment Protection Inputs

Inputs for 2 monitored safety beams and 1 safety edge

## 24V 150mA Power Supply

Unregulated constant power supply for peripherals such as sirens & lights

## Power Connection

240V single phase or 415V three phase power connection

## Secondary Safety Contactor

Isolates power when fault is found in primary contactor power connection

## Door Activation Inputs

Wire in key switches, push buttons or card readers for open, stop or close

## Extended Limit Option

Wired input to send door to 3rd limit position

## DIP Switches

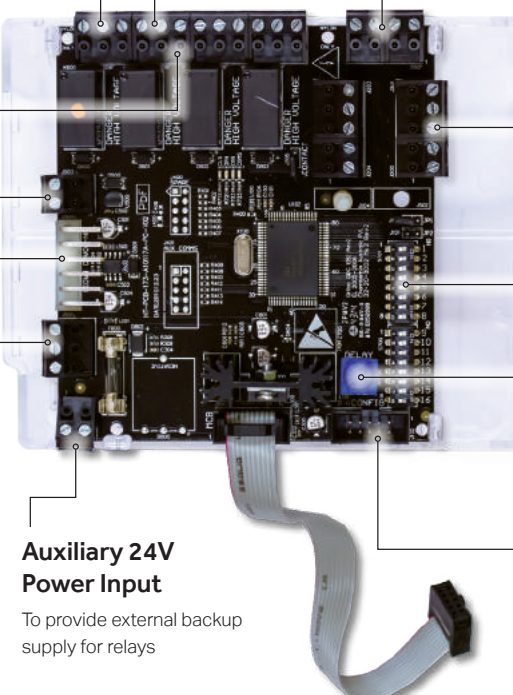
16 dip switches for door configuration behaviour

## Auto-Close Fine Adjustment

Infinite adjustment of auto-close time up to 5 mins

## Service Connection

Terminal for diagnostics & debugging of software (Grifco only)



# S-DRIVE CONTROL BOARDS



## Battery Fail Configuration

Configure the door to end at the open or close limit position when batteries are too low to complete a cycle

## Learn Button

Dedicated learn button for up to 50 Security +2.0 transmitters

## Force Setting

Fine tune the force after S-Drive automatically sets the level

## Door Operation

Dedicated open, close & stop buttons for test or manual operation

## Access Control Device Input

Inputs for card swipers, intercoms etc. Devices can be either wired internally or to prewired external terminal block

## Antenna Connection

Connection for supplied long-range antenna

## Set Limits

Dedicated buttons to set limits in any order. LEDs indicate limit setting status

## Diagnostic Indicator

Display indicates firmware version upon startup & diagnostic codes

## Timer-To-Close

Activating auto-close is a simple process of turning the dial to the desired duration (1-180 seconds)

## 24V DC Power Connection

J15 plug for connecting DC power & batteries. Remove to completely isolate the unit

## Cycle Count

Set all Aux 1 switches to ON to show cycle count. Blinking LEDs indicate cycle count (check manual for sequence)

## Quick Close

Configure a safety beam to close the door once a vehicle has passed through

## AC Fail

Configure door behaviour on mains power failure. Door can either run on batteries or default to open

## Anti Tailgating

When on, a closing door will pause when safety beams are activated. Door will continue downward once beams are cleared

## Hold Open / Emergency Input

Dry contact that opens & holds the door open until released

## Exit Loop Input

## Monitored Entrapment Protection Inputs

Inputs for Safety Beams (open or close) & Safety Edge

## 24V 500mA Power Supply

Either on (constant) or switched (when motor is operating) supply for external devices

## Configurable Monitored Entrapment Protection Inputs

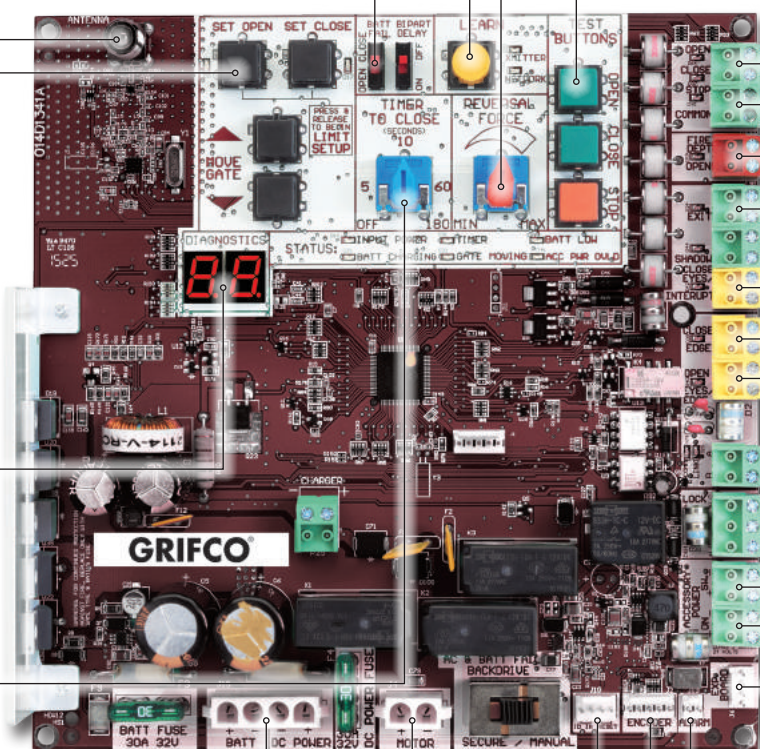
Additional devices can be configured to operate during door opening or closing

## Wired Push Button

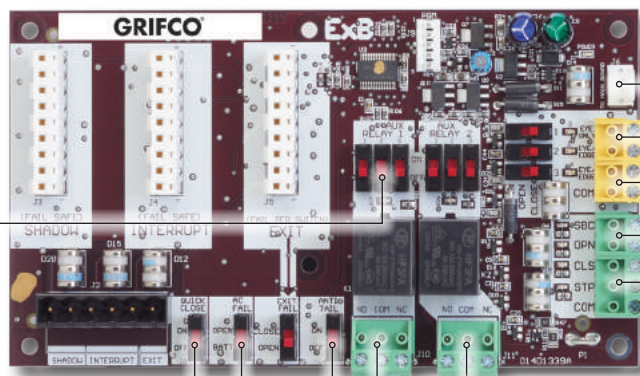
Inputs for wired push buttons to open, stop or close the door

## 2 Relay Outputs

Configure external devices such as the Grifco LED traffic light, lights or sirens



- Motor
- Reset Button
- APE Encoder
- Sounder Alarm



Expansion Board



# Chamberlain Terms and Conditions of Supply

- 1. Glossary** - The word "Chamberlain", where it appears in these terms and conditions can be substituted for any or all of Chamberlain Australia Pty Ltd and/or Chamberlain New Zealand Ltd.
- 2. Order** - Chamberlain may refuse to accept any order that does not meet its minimum requirements, from time to time, or otherwise in its complete discretion.
- 3. Payment**
  - 3.1** Payment will be made without deduction on or before the due date as agreed, upon acceptance of the application for credit or the twentieth day of the month following the date of invoice or delivery of the goods, whichever is the earlier.
  - 3.2** If full payment is not received by Chamberlain from the Customer by the due date, then the Customer will be in default under these terms and conditions and Chamberlain may exercise all of its rights and remedies available under these terms and conditions and at law.
  - 3.3** If the debt has not been settled by the due date, Chamberlain reserves the right to do any or all of the following:
    - (a) Charge the Customer interest on amounts overdue at the rate of 2.5% per month, calculated and payable on a daily basis from the due date until the date of payment (inclusive of both dates).
    - (b) Withhold the further supply of goods and services to the Customer.
    - (c) Vary or withdraw any approved credit limits and/or terms of supply.
    - (d) Terminate these terms and conditions.
    - (e) Recover or resell its goods and have its employees or agents enter the Customer's premises, or any other premises on which the goods are stored, for that purpose. Chamberlain need not make any further payment or provide any other consideration to the Customer to have all necessary irrevocable authority from the Customer to resell the goods.
  - 3.4** The Customer will be responsible for the Customer's own legal costs and all expenses which may be incurred by Chamberlain as a result of the default, including Chamberlain's legal and debt collection agency costs and any other cost incurred in recovering amounts due or exercising any other rights and remedies against the Customer.
  - 3.5** At no time will the Customer be entitled to exercise any right of credit, set-off or counterclaim on amounts due to Chamberlain.
- 4. Price**
  - 4.1.** All goods are supplied at the prices ruling as of the delivery date and Chamberlain reserves the right to pass on to the Customer any change in price after the date of any quotation. Prices are subject to change without notice. Chamberlain's current price list is available from Chamberlain on request.
  - 4.2.** All prices are exclusive of goods and services tax and any other tax or levy that may be applicable under law. All taxes and levies that are applicable are payable by the Customer and are additional to the prices quoted by Chamberlain.
  - 4.3.** Chamberlain reserves the right to charge the Customer, at its discretion, freight charges to all country areas, states and capital cities.
- 5. Return of goods**
  - 5.1.** The Customer must notify Chamberlain in writing of any claimed errors or defects in the goods within seven days of receipt of the goods or the date of Chamberlain's invoice, whichever is the earlier. The Customer must cooperate and allow Chamberlain to undertake any investigation in relation to the claim or the goods.
  - 5.2.** Goods may only be returned with the consent of Chamberlain. All returned goods will require a goods return number allocated by Chamberlain before being accepted by the receiving warehouse.
  - 5.3.** Return of goods is at the Customer's cost and a handling fee of 20% of the price of the goods may be charged, at the discretion of Chamberlain, for all goods returned.
  - 5.4.** Returned goods must be in new condition and have original packaging.
- 6. Liability on claims**
  - 6.1.** To the fullest extent permitted by applicable law, Chamberlain's liability for breach of any term, condition or warranty, express or implied, or statutory or otherwise is limited to the replacement or repair of goods (or part) or payment of the cost of repairing or replacing the goods (or part), as Chamberlain chooses.
  - 6.2.** Other than as set out in clause 6.1, Chamberlain accepts no liability or responsibility and the Customer has no claim whatsoever against Chamberlain in any way, in connection with the goods, or with any conduct or omissions by Chamberlain, except pursuant to Chamberlain's express warranty in clause 9.
  - 6.3.** Chamberlain will not be liable for any consequential indirect or special loss of any kind or any loss caused by the Customer's servants, agents or any persons whatsoever.
  - 6.4.** A refund will be available in respect of standard off the shelf items provided the requirements of clause 5.1 are satisfied and the goods are returned within 21 days of delivery. A refund will not be available in respect of non standard or modified goods, unless authorised by Chamberlain.
- 7. Ownership**
  - 7.1.** Property in the goods remains with Chamberlain until all monies owed by the Customer to Chamberlain (whether under these terms or conditions or otherwise) has been paid in full or until property in the goods has passed to a third party in accordance with this clause 7.
  - 7.2.** Until the goods have been paid for in full, the following terms will apply:
    - (a) When dealing with the goods, the Customer acts as principal as between the Customer and any third party and acts as agent as between the Customer and Chamberlain.
    - (b) The Customer holds the goods in a fiduciary capacity as bailee for Chamberlain and must store the goods separately so that they are identifiable as Chamberlain's property and keep separate records for the goods.
    - (c) If the goods are sold, the proceeds of the sale will be the property of Chamberlain and must be held by the Customer on a fiduciary basis in a separate bank account for the benefit of Chamberlain. Such proceeds will be payable to Chamberlain immediately without demand.
    - (d) The Customer must maintain the goods in a good, undamaged and saleable condition.
    - (e) Chamberlain may, at any time, pass title in the goods to the Customer by giving written notice to the Customer and the Customer may sell the goods provided that the sale is in the ordinary course of its business at arms length and at full market value and in accordance with these terms and conditions.
- 8. Risk** - Risk in any goods supplied to the Customer will pass to the Customer when Chamberlain parts with possession of the goods in accordance with these terms and conditions, whether or not ownership has passed to the Customer.
- 9. Warranty** - Goods are supplied under the warranty provided with the goods. The warranty is extended where necessary to comply with the applicable laws in the country where the goods are sold by Chamberlain to the Customer. Chamberlain will only supply warranty service to goods that have been paid for in full and if the Customer is not in breach of any of its obligations to Chamberlain under these terms and conditions or any other agreement. If Chamberlain attends a claim for warranty on site and the fault is found to be the result of a non warranty issue, Chamberlain reserves the right under these terms and conditions to charge the Customer Chamberlain's current rate for service calls as at the time of the service. The warranty will not apply in respect of defects which are attributable to accident, fair wear and tear or any action, omission or neglect of the Customer or its agents.
- 10. Information and Privacy Act** - For the purpose of facilitating the efficient running of Chamberlain's business, the Customer authorises Chamberlain to collect all information it may require from any third party and authorises those third parties to release that information to Chamberlain and to hold all information given by the Customer or any third party to Chamberlain. The Customer may request access to and correction of such information at any time.
- 11. Intellectual property**
  - 11.1.** All rights, title and interests in or to all trade marks, patents, inventions, discoveries (including serendipitous discoveries), copyright (including future copyright), designs, business and domain names, know-how, concept, idea, reputation, trade secrets, goodwill and any other intellectual, industrial or commercial property in or relating to the goods or any related advertising, promotional, distribution or sales information provided by Chamberlain under these terms and conditions are, and will remain, the property of Chamberlain. The Customer will have no right in such property and will not be permitted to use such rights without the prior written consent of Chamberlain.
  - 11.2.** The Customer may engage in internet selling of the goods with the prior written consent of Chamberlain, such consent may be given or withheld in Chamberlain's absolute discretion.
- 12. Delivery** - Chamberlain will make every effort to keep to delivery schedules, but will not be liable for any delivery delays whatsoever. All goods are supplied "ex works". Point of delivery will be to the Customer's premises unless otherwise agreed in writing.
- 13. Waiver and forbearance** - All of Chamberlain's rights will remain in full force despite any failure, delay or partial exercise in enforcement. Chamberlain will not be deemed to have waived any right unless that waiver is in writing and signed by a duly authorised officer of Chamberlain. Any waiver will apply only to that particular matter in respect of which it is given.
- 14. Assignment** - Chamberlain is entitled, at any time, to assign to any other person all or part of the debt owed by the Customer. The assignee will be entitled to claim full rights to set off or counter claim against the Customer, its charge holders or successors in respect of the debt or part of the debt which is assigned. The Customer is not entitled to assign or subcontract any of its rights or obligations under these terms and conditions without the prior written consent of Chamberlain.
- 15. Entire contract** - Chamberlain and the Customer agree that:
  - (a) these terms and conditions express the complete agreement between them;
  - (b) there has been no representation made by either party to the other except as expressly set out in these terms and conditions;
  - (c) these terms and conditions override any inconsistent terms and conditions of the Customer; and
  - (d) these terms and conditions are subject to change by written notice from Chamberlain to the Customer.
- 16. Termination**
  - 16.1.** These terms and conditions (including any unperformed obligations of Chamberlain) may be terminated by notice in writing from Chamberlain to the Customer in the event that the Customer:
    - (a) is in breach under clause 3 or any other obligation owed to Chamberlain; or
    - (b) becomes insolvent;
    - (c) becomes subject to the appointment of an administrator, receiver, receiver and manager, liquidator, statutory manager or any other person carrying out an equivalent function;
    - (d) commits an act of bankruptcy;
    - (e) makes a scheme of arrangement with its creditors; or
    - (f) has its membership to the Chamberlain Plus Dealer Program revoked by Chamberlain (if applicable).
  - 16.2.** On termination, no further goods and services will be supplied by Chamberlain to the Customer and the Customer must immediately:
    - (a) pay Chamberlain any sums due to Chamberlain under these terms or conditions or any other agreement or order;
    - (b) cease all use of, and return or destroy, Chamberlain's intellectual property, including any advertising or promotional materials; and
    - (c) provide details to Chamberlain of any unfulfilled orders or enquiries received by the Customer in respect of the goods.
- 17. Cancellation** - Following Chamberlain's acceptance of an order, no purported cancellation of any order by the Customer will be effective unless and until accepted by Chamberlain in writing.
- 18. Errors and omissions** - Chamberlain reserves the right to correct any clerical errors or omissions in any quotation at any time, including but not limited to any errors in computation in any quotation, whether or not the correction results in an increase or decrease in the price or any other change to the quotation or any order placed on the basis of the quotation.
- 19. Governing law and jurisdiction** - The governing law is New South Wales, Australia and the parties irrevocably and unconditionally submit to the non-exclusive jurisdiction of the courts exercising jurisdiction in New South Wales, Australia and any courts which have jurisdiction to hear appeals from any of those courts and waives any right to object to any proceedings being brought in those courts.

# Chamberlain 24 Month Limited Warranty Commercial Door Operators

Chamberlain Australia Pty Limited / Chamberlain New Zealand Limited (Chamberlain) is committed to manufacturing and supplying high quality goods. As part of this commitment, we seek to provide reliable service and support for our goods and are pleased to provide you, the original purchaser, with this Chamberlain Limited Warranty.

We also provide the following statement as required by the Australian Consumer Law: In Australia, in addition to your rights under this Chamberlain Limited Warranty, our goods come with guarantees that cannot be excluded under the Australian Consumer Law. You are entitled to a replacement or refund for a major failure and for compensation for any other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure.

## **Chamberlain's warranty**

Chamberlain warrants to the original purchaser of the Grifco product (Unit) that:

- 1 The Commercial Door Operator found in this book is free from defects in materials and workmanship for a period of 24 months from the date of purchase or, when a particular operator states a cycle-count warranty, that cycle-count is reached (whichever comes first).
- 2 Genuine accessories are free from defects in materials and workmanship for a period of 12 months from the date of purchase.
- 3 Genuine spare parts are free from defects in materials and workmanship for a period of 6 months from the date of purchase.

During the applicable Chamberlain Warranty period, if you are concerned that the Unit may be defective, call our service centre on the toll free number below before removing the Unit and a Chamberlain technician will diagnose the problem. Once the problem has been diagnosed, subject to your rights under the Australian Consumer Law with respect to major failures, Chamberlain will provide you with:

- 1 parts for repair by a qualified or authorised repairer; or
- 2 shipping instructions for a factory repair or replacement.

If a factory repair or replacement is required, provided the defective part or Unit is returned to Chamberlain well-packaged and in accordance with Chamberlain's shipping instructions, Chamberlain will, subject to your rights under the Australian Consumer Law with respect to major failures:

- 1 in relation to the Unit (excluding the electric motor), repair or, at its option where permissible, replace any defective part or Unit (excluding the electric motor) and return it to you at no cost; and
- 2 in relation to the electric motor, replace the electric motor and return it to you at no cost.

Where the Unit has been installed by an authorised installer, you must call them for prompt on-site service. Chamberlain will furnish replacement parts free of charge through the authorised installer. A service fee for on-site service may apply.

Repairs and replacement parts provided under this Chamberlain Limited Warranty are provided free of charge and are warranted for the remaining portion of the original warranty period.

This Chamberlain Limited Warranty provides benefits which are in addition to your other rights and remedies as a consumer.

## **Exclusions**

If our service centre determines that a warranty claim has been made in respect of a failure or defect arising under or out of any exclusion detailed below such that the claim is not covered under this Chamberlain Limited Warranty, we may, subject to your other rights and remedies as a consumer, charge you a fee to repair, replace and/or return the Unit to you.

This Chamberlain Limited Warranty does not cover any failure of, or defect in, the Unit due to:

- 1 non-compliance with the instructions regarding installation, operation, maintenance and testing of the Unit or of any product with which the Unit is used;
- 2 any attempt by a person other than an authorised installer to change settings, repair, dismantle, reinstall or move the Unit to another location once it has been installed;
- 3 tampering, neglect, abuse, wear and tear, accident, electrical storm, excessive use or conditions other than normal commercial use;
- 4 use of the Unit in conjunction with controls which have not been supplied, or pre-approved, by Chamberlain;
- 5 problems with, or relating to, the commercial door or commercial door hardware, including but not limited to the door springs, door rollers, door alignment, hinges, guides, slats and drums; or
- 6 problems caused by electrical faults.

If this Chamberlain Limited Warranty does not apply, you may have rights available to you under the Australian Consumer Law.

## **Liability - Australia only**

Except as set out in the Australian Consumer Law (being Schedule 2 of the Competition and Consumer Act 2010) (as amended, consolidated or replaced):

- 1 all other guarantees, warranties and representations in relation to the Unit or its supply are excluded to the extent that Chamberlain can lawfully exclude them; and
- 2 under no circumstances will Chamberlain be liable for consequential, incidental or special damages arising in connection with the use, or inability to use, the Unit, other than those which were reasonably foreseeable as liable to result from the failure.

## **Liability - New Zealand only**

Except as set out in the Fair Trading Act 1986 and the Consumer Guarantees Act 1993 (as amended, consolidated or replaced):

- 1 all other guarantees, warranties and representations in relation to the Unit or its supply are excluded to the extent that Chamberlain can lawfully exclude them; and
- 2 under no circumstances will Chamberlain be liable for consequential, incidental or special damages arising in connection with the use, or inability to use, the Unit, other than those which were reasonably foreseeable as liable to result from the failure.

## **Note**

We request that you retain your sales docket or invoice as proof-of-purchase and attach it to this manual to enable you to establish the date of purchase in the unlikely event of a warranty service being required. Chamberlain reserves the right to change the design and specifications of the Unit without prior notification. Some features or accessories of the Unit may not be available in certain markets or areas. Please check with your distributor.

## **CHAMBERLAIN SERVICE CENTRE CONTACT DETAILS**

**Australia** Phone toll free 1800 474 326  
Fax toll free 1800 888 121  
Unit 1, 75 Epping Road  
North Ryde, NSW 2113

**Email** customerservice@chamberlainnz.com  
**Website** www.grifco.com.au

**New Zealand** Phone toll free 0800 653 667  
Auckland phone 09 477 2823  
Fax toll free 0800 653 663

**Email** chamberlainnz@chamberlainnz.com  
**Website** www.grifco.co.nz

## NOTES

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## NOTES

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# PRODUCT & TECHNICAL INFORMATION

## VISIT OUR WEBSITE FOR QUICK ACCESS TO:

- Installation manuals
- Specification sheets and text
- News and information
- Application information



**[www.grifco.com.au](http://www.grifco.com.au)**

**[www.grifco.co.nz](http://www.grifco.co.nz)**

## DOWNLOAD THE myQ APP

- Compatible with all myQ enabled operators
- Monitor and Control your doors

\* myQ Gateway and Grifco Entrapment Protection System required.



APP AVAILABLE ON:

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App Store

GET IT ON  
Google Play



📍 Control from anywhere

📅 Preset scheduling

🔔 Real-time notifications

🔗 Access control

## CHAMBERLAIN AUSTRALIA PTY LTD

### Sydney

Unit 1, 75 Epping Road  
North Ryde NSW 2113  
Ph: 1800 638 234

## MANUFACTURING

### Gosford

15 Dell Road, West Gosford NSW 2250  
Ph: + 61 2 4323 3877  
Fax: + 61 2 4323 3882  
Technical Support: 1800 GRIFCO  
Email Purchase Orders: [grifco@chamberlainanz.com](mailto:grifco@chamberlainanz.com)

## CHAMBERLAIN BRANCHES

### Melbourne

1 Dexter Dr, Epping VIC 3076

### Brisbane

Unit 1/11, Morrison Close, Mansfield QLD 4122

### Perth

54 Millrose Drive, Malaga WA 6090

## CHAMBERLAIN NEW ZEALAND LIMITED

### Auckland

17B Arrenway Drive, Rosedale 0632, Auckland  
Ph: +64 9 477 2823

**1800 GRIFCO | [www.grifco.com.au](http://www.grifco.com.au)**

**0800 653 667 | [www.grifco.co.nz](http://www.grifco.co.nz)**

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POWERING COMMERCIAL DOORS