

# GRIFCO<sup>®</sup>

POWERING COMMERCIAL DOORS

## PRODUCT GUIDE

2017 - 2018





## Sectional Door Operators

In 2017 Grifco launched two new operators for powering commercial sectional doors. heralding the beginning of an era of new product development for Grifco, the S-Drive and LS-Drive have been purpose designed for the demanding rigours of high-cycle, highly integrated carpark applications.

Our new product strategy is to target users of our equipment that demand reliability and performance, but also expect intelligence in their door automation. Our operators work seamlessly within their building environments. Whether they merely open the door, or enable a business to function, you can rest assured the intelligence and ease-of-integration of our products are up to the challenge.

S-Drive and LS-Drive are on pages 12 and 13 of this product guide.

Find out more at [grifco.com.au](http://grifco.com.au).



## Compliance

The Grifco eDrive +2.0, mDrive, S-Drive and LS-Drive range of commercial door operators have been tested to comply with the requirements of;

AS/NZS 60335.1:2011 - Household and similar electrical appliances – Safety – Part 1: General requirements.

AS/NZS 60335.2.103:2011 - Household and similar electrical appliances – Safety – Part 2: Particular requirements for drives for gates, doors and windows.

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.

## Regulatory Compliance Mark

All electrical products and components bare 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).



## Technical Assistance

For technical assistance please contact our friendly customer service team:

**P: 1800 GRIFCO (1800 474 326)**

**E: [grifco@chamberlainanz.com](mailto:grifco@chamberlainanz.com)**

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

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# 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.

All roller shutter operators are Left or Right hand specific. When ordering please specify an "L" or an "R" at the end of every part number. Operator handing is determined by the mounting position of the Operator when standing on the inside of the building looking out. For example, if an ML5103 unit is required in left hand configuration, then order a ML5103L.

If you are considering upgrading to an optional model, then you also need to refer to the suffix combinations for each operator (if provided) to determine the unit you need to order. For example, if an ML5103 unit is required with clutch and pre-wired in left hand configuration then order a ML5103CPL.

The eDrive +2.0 and mDrive range comprises 0.5Hp, 1.0Hp, and 1.5Hp operators in single and 3-phase variants with Low Cycle and High Cycle options. There is a slight variation required when ordering operators with the same capacity in eDrive +2.0 or mDrive. For example, to order an eDrive +2.0, 1.0Hp, 3-Phase in low cycle and left hand configuration then select a ML5103L. To select the same capacity Operator as an mDrive unit then you would order an ML103ML.

All other roller shutter operators listed in this catalogue have mechanical limits, and range in capacity from 1.5Hp through to 5.0Hp.

All Fire Shutter, HD and EHD operators have mechanical limits.

If you have any questions in relation to the Product Guide and products please do not hesitate to contact one of our friendly customer service or sales team.

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### 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  $\leq 1.0\text{mm} \times \geq 100\text{mm}$  slats
- The shutter has no wind-locks
- A sprocket ratio  $\geq 4:1$  is used
- Diameter 150mm drum  $\leq 36\text{m}^2$  and 200mm up to  $50\text{m}^2$

#### Non Standard Roller Shutters

If the roller shutter you are automating varies in general specification from the "standard roller shutter" assumptions made above, 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 offers motors with differing duty cycle (operational) ratings to ensure we are able to provide the most efficient and cost effective match for your commercial door automation requirements.

#### Low Cycle

Low cycle rated products are rated for approx 10% duty and are suitable for more than 80% of applications.

- 10% run time per hour or
- Approximately 6 minutes operation per hour or
- Approximately 6 open/close cycles per hour

#### High Cycle

High cycle rated products are rated for approx 30% duty and are suited to car parks and emergency services applications.

- 30% run time per hour or
- Approximately 20 minutes operation per hour or
- Approximately 20 open/close cycles per hour

# Grifco Selection Guide

Door Type	Door Size	Recom. Opener	Description	Options	Page
Light Industrial (continuous sheet) Roller Doors	Up to 22m <sup>2</sup>	Manual Hoist HDHWO	Heavy Duty Manual Hoist	N/A	11
	Up to 25m <sup>2</sup>	Heavy Duty Manual Hoist EHDHWO	Extra Heavy Duty Manual Hoist	N/A	11
	Up to 26m <sup>2</sup>	RKML Series	0.5Hp Low Cycle eDrive +2.0 Electronic Opener	Logic, Expansion & Remote	6
Roller Shutters	Up to 18m <sup>2</sup>	eDrive +2.0	0.5Hp Low Cycle eDrive +2.0 Electronic Opener	Logic, Expansion & Remote	7
		mDrive	0.5Hp Low Cycle mDrive Mech Opener	Controls & Logic	8
	Up to 30m <sup>2</sup>	eDrive +2.0	1.0Hp High Cycle eDrive +2.0 Electronic Opener	Logic, Expansion & Remote	7
		mDrive	1.0Hp High Cycle mDrive Mech Opener	Controls & Logic	8
	Up to 36m <sup>2</sup>	eDrive +2.0	1.0Hp Low Cycle eDrive +2.0 Electronic Opener	Logic, Expansion & Remote	7
		mDrive	1.0Hp Low Cycle mDrive Mech Opener		8
		MH103M8	1.0Hp, 3Ph High Cycle HD Opener with D80 Flange (IP50)	Controls & Logic	8
		MH103MB	1.0Hp, 3Ph High Cycle HD with Solenoid Brake Opener (IP50)		8
	Up to 40m <sup>2</sup>	Mech HD	1.5Hp, 1Ph HD High Cycle Mech Opener		9
	Up to 50m <sup>2</sup>	eDrive +2.0	1.5Hp Low Cycle eDrive +2.0 Electronic Opener	Logic, Expansion & Remote	7
		mDrive	1.5Hp Low Cycle mDrive Mech Opener	Controls & Logic	8
		Mech HD	1.5Hp, 1Ph HD High Cycle Mech Opener		9
	Up to 65m <sup>2</sup>	Mech HD	2.0Hp, 1Ph HD High Cycle Mech Opener	Controls & Logic	9
	80m <sup>2</sup> SB	Mech HD	2.0Hp, 3Ph HD High Cycle Mech Opener		9
	80m <sup>2</sup> Non-SB	Mech EHD	3.0Hp, 3Ph HD High Cycle Mech Opener		9
	100m <sup>2</sup> SB	Mech EHD	3.0Hp, 3Ph HD High Cycle Mech Opener		9
	100m <sup>2</sup> Non-SB	Mech EHD	4.0Hp, 3Ph HD High Cycle Mech Opener	Controls & Logic	9
	120m <sup>2</sup> SB	Mech EHD	4.0Hp, 3Ph HD High Cycle Mech Opener		9
	120m <sup>2</sup> Non-SB	Mech EHD	5.0Hp, 3Ph HD High Cycle Mech Opener		9
	150m <sup>2</sup> SB	Mech EHD	5.0Hp, 3Ph HD High Cycle Mech Opener		9
Commercial Sectional Doors	Up to 26m <sup>2</sup>	S-Drive	S-Drive with Rail for 2.4m High Door	Full suite of accessories including enhanced safety, transmitter management & peripherals	12
			S-Drive with Rail for 3.6m High Door		12
			S-Drive with Rail Kit for up to 6m High Door*		12
	Up to 15m <sup>2</sup>	LS-Drive	LS-Drive with Rail for 2.4m High Door	Accessories for transmitter management & peripherals	13
			LS-Drive with Rail for 3.0m High Door		13
Fire Doors	Up to 16m <sup>2</sup>	HDHWFF	Auto Decent Manual Fire Shutter Hoist	N/A	11
	Up to 16m <sup>2</sup>	HDHWFFH	Auto Decent Manual Fire Shutter Hoist & Holding Magnet		11
	Up to 28m <sup>2</sup>	58016F	1.0Hp, 1Ph Low Cycle Auto Decent Fire Shutter Opener	Controls & Logics	10
	Up to 28m <sup>2</sup>	58001F	1.0Hp, 3Ph Low Cycle Auto Decent Fire Shutter Opener		10
	Up to 28m <sup>2</sup>	58015F	1.0Hp, 3Ph High Cycle Auto Decent Fire Shutter Opener		10
	Up to 36m <sup>2</sup>	58017F	1.5Hp, 3Ph Low Cycle Auto Decent Fire Shutter Opener		10
Openers for Hazardous Locations	Up to 36m <sup>2</sup>	MH103MD	1.0Hp, 3Ph High Cycle Dust Ignition Proof Opener (IP66)	DIP Control	8
	Up to 36m <sup>2</sup>	MH103MF	1.0Hp, 3Ph High Cycle Flame Proof EXD Opener	EXD Control	8
	Up to 50m <sup>2</sup>	75007	1.5Hp, 3Ph High Cycle Dust Ignition Proof Opener (IP66)	Water Proof Control	9
	Up to 50m <sup>2</sup>	75055	1.5Hp, 3Ph High Cycle Water Proof Opener (IP55)		9
	Up to 80m <sup>2</sup>	75065	2.0Hp, 3Ph High Cycle Water Proof Opener (IP55)		9
	Up to 80m <sup>2</sup>	75018	2.0Hp, 3Ph High Cycle Flameproof EXD Opener		9

\* GSD-RKIT requires steel fabrication of the rail lengths. See page 12 for details.  
SB: Spring Balanced. Non-SB: Non-Spring Balanced.



# eDrive +2.0 RKML



## Operators for Light Commercial Roller Doors



Part No.	kW	Amps	Hp	Voltage	Phase	Max. Door Size	IP Rating	Duty	No Neutral (N)	Pre-Wired (P)	IP55 (W)	Clutch (C)
eDrive +2.0 Operator Only   Low Cycle   Three Phase 415V												
RML5053	0.37KW	1.55A	0.5Hp	415V	3ph	26m²	IP44	LC	+	+	+	+
Optional Upgrades												
eDrive +2.0 Operator Only   Low Cycle   Single Phase 240V												
RML5051	0.37KW	3.40A	0.5Hp	240V	1ph	26m²	IP44	LC	-	✓	+	+
eDrive +2.0 Operator Kit   Low Cycle   Three Phase 415V												
RKML5053	0.37KW	1.55A	0.5Hp	415V	3ph	26m²	IP44	LC	+	+	+	+
RKML5053EF	0.37KW	1.55A	0.5Hp	415V	3ph	26m²	IP44	LC	+	+	+	+
eDrive +2.0 Operator Kit   Low Cycle   Single Phase 240V												
RKML5051	0.37KW	3.40A	0.5Hp	240V	1ph	26m²	IP44	LC	-	✓	+	+
RKML5051EF	0.37KW	3.40A	0.5Hp	240V	1ph	26m²	IP44	LC	-	✓	+	+
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												
When ordering please specify the appropriate abbreviation (found above) before the "L" or "R" handling. For example RML5051WR. Prewired is standard with all 1Ph operators. ✓ As standard - Not available + Optional Upgrade												



Easy Fit Sprocket

## Operator Kits for Light Commercial Roller Doors



Part No.	kW	Amps	Hp	Voltage	Phase	Max. Door Size	IP Rating	Duty
eDrive +2.0 Operator   Low Cycle   Single Phase 240V   Monitored Safety Beams   Transmitters								
RKML5051RO	0.37KW	3.40A	0.5Hp	240V	1ph	26m²	IP44	LC
Includes eDrive +2.0 Operator Kit as shown above, Wall Control, GPS15 Safety Beams and 2 x E960G Wireless Keyring Transmitters.								



### Popular Accessories

Wireless Visor Remote

E943G

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Wireless Keyring Remote

E960G

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Wireless Security Keypad

E840G

Page 14

Monitored Reflective Safety Beam

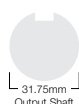
GPS15

Page 15

# eDrive +2.0



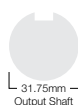
## Operators for Roller Shutters



Part No.	kW	Amps	Hp	Voltage	Phase	Max. Door Size	IP Rating	Duty	No Neutral (N)	Pre-Wired (P)	IP55 (W)	Clutch (C)
<b>eDrive +2.0 Operator   Low Cycle   Three Phase 415V</b>												
ML5053	0.37kW	1.55A	0.5Hp	415V	3ph	18m <sup>2</sup>	IP44	LC	+	+	+	+
ML5103	0.75kW	2.3A	1.0Hp	415V	3ph	36m <sup>2</sup>	IP44	LC	+	+	+	+
ML5153	1.10kW	2.55A	1.5Hp	415V	3ph	50m <sup>2</sup>	IP44	LC	+	+	+	+
<b>eDrive +2.0 Operator   Low Cycle   Single Phase 240V</b>												
ML5051	0.37kW	3.4A	0.5Hp	240V	1ph	18m <sup>2</sup>	IP44	LC	-	✓	+	+
ML5102	0.75kW	6.0A	1.0Hp	240V	1ph	36m <sup>2</sup>	IP44	LC	-	✓	+	+
<b>eDrive +2.0 Operator   High Cycle   Three Phase 415V</b>												
MH5103	0.75kW	1.95A	1.0Hp	415V	3ph	30m <sup>2</sup>	IP44	HC	+	+	+	+
<b>eDrive +2.0 Operator   High Cycle   Single Phase 240V</b>												
MH5102	0.75kW	4.35A	1.0Hp	240V	1ph	30m <sup>2</sup>	IP44	HC	-	✓	+	+
<b>eDrive +2.0 Operator   Low Cycle   Three Phase 415V   Smoke Baffle Feature</b>												
ML5103SBF	0.75kW	2.30A	1.0Hp	415V	3ph	36m <sup>2</sup>	IP44	LC	+	+	+	+
ML5153SBF	1.10kW	2.55A	1.5Hp	415V	3ph	50m <sup>2</sup>	IP44	LC	+	+	+	+
<b>eDrive +2.0 Operator   Low Cycle   Single Phase 240V   Smoke Baffle Feature</b>												
ML5102SBF	0.75kW	6.0A	1.0Hp	240V	1ph	36m <sup>2</sup>	IP44	LC	-	✓	+	+

When ordering please specify the appropriate abbreviation (found above) before the "L" or "R" handing. For example RML5051WR  
 ✓ As standard - Not available + Optional Upgrade

## Operator Kits for Roller Shutters



Part No.	kW	Amps	Hp	Voltage	Phase	Max. Door Size	IP Rating	Duty
<b>eDrive +2.0 Operator   Low Cycle   Monitored Safety Beams   Transmitters</b>								
ML5103RO	0.75kW	2.3A	1.0Hp	415V	3ph	36m <sup>2</sup>	IP44	LC
ML5102RO	0.75kW	6.0A	1.0Hp	240V	1ph	36m <sup>2</sup>	IP44	LC

Kit includes eDrive +2.0 Operator, C10A-4 Wall Control, GPS15 Safety Beams and 2 x E960G Wireless Keyring Transmitters.



## Popular Accessories

### Expansion Board with high lid

EB1  
Page 16



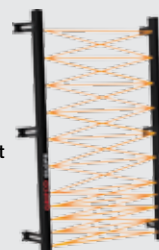
### Monitored Safety Beam Kit

GPS15RK  
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### Monitored Light Curtain System

GLCPS  
Page 15



### Transmission Hardware Kit

THK-10B  
Page 22



Operators for Roller Shutters



Part No.	kW	Amps	Hp	Voltage	Phase	Max. Door Size	IP Rating	Duty
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mDrive Operator | Low Cycle | Three Phase 415V

ML053M	0.37kW	1.55A	0.5Hp	415V	3ph	18m²	IP44	LC
ML103M	0.75kW	2.30A	1.0Hp	415V	3ph	36m²	IP44	LC
ML153M	1.10kW	2.55A	1.5Hp	415V	3ph	50m²	IP44	LC

mDrive Operator | Low Cycle | Single Phase 240V

ML051M	0.37kW	3.4A	0.5Hp	240V	1ph	18m²	IP44	LC
ML102M	0.75kW	6.0A	1.0Hp	240V	1ph	36m²	IP44	LC

mDrive Operator | High Cycle | Three Phase 415V

MH103M	0.75kW	1.95A	1.0Hp	415V	3ph	30m²	IP44	HC
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mDrive Operator | High Cycle | Single Phase 240V

MH102M	0.75kW	4.35A	1.0Hp	240V	1ph	30m²	IP44	HC
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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 6.



Reversing Starter Mechanical Logic

Control Options (not included)

RG374-LB3E006	GLMe2L	GLMe2
RG374-LB3E007	GLMe2L	GLMe2
RG374-LB3E007	GLMe2L	GLMe2

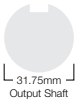
RG375-LB1E008	GLMe2L	GLMe2
RG376-LB1E009	GLMe2L	GLMe2

RG374-LB3E007	GLMe2L	GLMe2
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RG376-LB1E009	GLMe2L	GLMe2
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See page 18 for complete range of Reversing Starters.  
See page 16 for complete range of GLMe2 Mechanical Logic Control options.

Specialty mDrive Operators for Roller Shutters



mDrive with D80 Flange

Part No.	kW	Amps	Hp	Voltage	Phase	Max. Door Size	IP Rating	Duty
----------	----	------	----	---------	-------	----------------	-----------	------

mDrive Operator | High Cycle | Three Phase 415V | D80 Flange (IP50)

MH103M8	0.75kW	1.95A	1.0Hp	415V	3ph	36m²	IP50	HC
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mDrive Operator | High Cycle | Three Phase 415V | Solenoid Brake (IP50)

MH103MB	0.75kW	1.95A	1.0Hp	415V	3ph	36m²	IP50	HC
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mDrive Operator | High Cycle | Three Phase 415V | Dust Ignition Proof (IP66)

MH103MD	0.75kW	1.95A	1.0Hp	415V	3ph	36m²	IP66	HC
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mDrive Operator | High Cycle | Three Phase 415V | Flameproof Exd (IP55)

MH103MF	0.75kW	1.95A	1.0Hp	415V	3ph	36m²	IP55	HC
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When ordering please specify an "L" or an "R" at the end of every part number.

Control Options (not included)

RG374-LB3E007	GLMe2L	GLMe2
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RG374-LB3E007	GLMe2L	GLMe2
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RG374-LB3E007-EX	-	-
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RG374-LB3E007-EX	-	-
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See page 18 for complete range of Reversing Starters.  
See page 16 for complete range of GLMe2 Mechanical Logic Control options.

Popular Accessories

Reversing Starter  
RG374  
Page 18



Mechanical Logic Control (Light)  
GLMe2L  
Page 16



Mechanical Logic Control  
GLMe2  
Page 16



Mounting Plate Kit  
SK1018  
Page 22





# HD Operators

## Heavy Duty Operators for Roller Shutters



31.75mm  
Output Shaft

Part No. kW Amps Hp Voltage Phase Max. Door Size IP Rating Duty

Reversing Starter

Mechanical Logic

### HD Operator | High Cycle | Three Phase 415V

75003	1.10kW	2.60A	1.5Hp	415V	3ph	50m <sup>2</sup>	IP44	HC
75004	1.50kW	3.30A	2.0Hp	415V	3ph	80m <sup>2</sup>	IP44	HC

### Control Options (not included)

RG374-LB3E007	GLMe2H
RG374-LB3E008	GLMe2H

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

75001	1.10kW	6.00A	1.5Hp	240V	1ph	40m <sup>2</sup>	IP44	HC
75012	1.50kW	8.40A	2.0Hp	240V	1ph	65m <sup>2</sup>	IP44	HC

RG376-LB1E010	GLMe2H
RG376-LB1E012	GLMe2H

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

See page 18 for complete range of Reversing Starters.  
See page 16 for complete range of GLMe2 Mechanical Logic Control options.

## Specialty Heavy Duty Operators for Roller Shutters

Part No. kW Amps Hp Voltage Phase Max. Door Size IP Rating Duty

Reversing Starter

Mechanical Logic

### HD Operator | High Cycle | Three Phase 415V | Waterproof (IP55)

75055	1.10kW	2.60A	1.5Hp	415V	3ph	50m <sup>2</sup>	IP55	HC
75065	1.50kW	3.30A	2.0Hp	415V	3ph	80m <sup>2</sup>	IP55	HC

### Control Options (not included)

RG374-LB3E007	GLMe2H
RG374-LB3E008	GLMe2H

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

75015	1.50kW	3.30A	2.0Hp	415V	3ph	80m <sup>2</sup>	IP50	HC
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RG374-LB3E008	GLMe2H
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### HD Operator | High Cycle | Three Phase 415V | Dust Ignition Proof (IP66)

75007	1.10kW	2.60A	1.5Hp	415V	3ph	50m <sup>2</sup>	IP66	HC
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RG374-LR3E007-EX	-
------------------	---

### HD Operator | High Cycle | Three Phase 415V | Flameproof EXD

75018	1.50kW	3.30A	2.0Hp	415V	3ph	80m <sup>2</sup>	IP55	HC
-------	--------	-------	-------	------	-----	------------------	------	----

RG374-LR3E008-EX	-
------------------	---

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

See page 18 for complete range of Reversing Starters.  
See page 16 for complete range of GLMe2 Mechanical Logic Control options.

# EHD Operators

## Extra Heavy Duty Operators for Roller Shutters



42.0mm  
Output Shaft

Part No. kW Amps Hp Voltage Phase Max. Door Size IP Rating Duty

Reversing Starter

Mechanical Logic

### EHD Operator | High Cycle | Three Phase 415V

71500	2.5kW	5.70A	3.3Hp	415V	3ph	100m <sup>2</sup>	80 <sup>2</sup>	IP50	HC
81500	3.0kW	5.88A	4.0Hp	415V	3ph	120m <sup>2</sup>	100m <sup>2</sup>	IP50	HC
91500	4.0kW	7.75A	5.0Hp	415V	3ph	150m <sup>2</sup>	120m <sup>2</sup>	IP50	HC

### Control Options (not included)

RG374-LB3E009	GLMe2H
RG374-LB3E010	GLMe2H
RG374-LB3E012	GLMe2H

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

### Popular Accessories

HD Operator  
Mounting Plate  
MP001  
Page 22



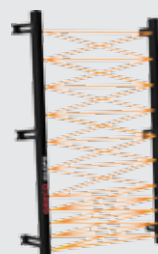
EHD Operator  
Mounting Platform  
MP003  
Page 22



Mechanical Logic  
Control HD  
GLMe2H  
Page 16



Monitored Light  
Curtain System  
GLCPS  
Page 15



# Fire Shutter Operators

## Operators for Fire Rated Roller Shutters



Part No.	kW	Amps	Hp	Voltage	Phase	Max. Door Size	IP Rating	Duty	Fusible Link (F)	Holding Magnet (H)
Fire Shutter Operator   Low Cycle   Three Phase 415V										
58001F	0.75kW	2.3A	1.0Hp	415V	3ph	28m <sup>2</sup>	IP44	LC	-	-
58001FF	0.75kW	2.3A	1.0Hp	415V	3ph	28m <sup>2</sup>	IP44	LC	✓	-
58001FFH	0.75kW	2.3A	1.0Hp	415V	3ph	28m <sup>2</sup>	IP44	LC	✓	✓
58017F	1.1kW	2.55A	1.5Hp	415V	3ph	36m <sup>2</sup>	IP44	LC	-	-
58017FF	1.1kW	2.55A	1.5Hp	415V	3ph	36m <sup>2</sup>	IP44	LC	✓	-
58017FFH	1.1kW	2.55A	1.5Hp	415V	3ph	36m <sup>2</sup>	IP44	LC	✓	✓

Reversing Starter	Mechanical Logic GLMe2L	GLMe2
Control Options (not inc.)		
RG374-LB3E007	GLMe2L	GLMe2
RG374-LB3E007	GLMe2L	GLMe2
RG374-LB3E007	GLMe2L	GLMe2
RG374-LB3E007	GLMe2L	GLMe2
RG374-LB3E007	GLMe2L	GLMe2
RG374-LB3E007	GLMe2L	GLMe2

Fire Shutter Operator   Low Cycle   Single Phase 240V										
58016F	0.75kW	6.0A	1.0Hp	240V	1ph	28m <sup>2</sup>	IP44	LC	-	-
58016FF	0.75kW	6.0A	1.0Hp	240V	1ph	28m <sup>2</sup>	IP44	LC	✓	-
58016FFH	0.75kW	6.0A	1.0Hp	240V	1ph	28m <sup>2</sup>	IP44	LC	✓	✓

RG376-LB1E010	GLMe2L	GLMe2
RG376-LB1E010	GLMe2L	GLMe2
RG376-LB1E010	GLMe2L	GLMe2

Fire Shutter Operator   High Cycle   Three Phase 415V										
58015F	0.75kW	1.95A	1.0Hp	415V	3ph	28m <sup>2</sup>	IP44	HC	-	-
58015FF	0.75kW	1.95A	1.0Hp	415V	3ph	28m <sup>2</sup>	IP44	HC	✓	-
58015FFH	0.75kW	1.95A	1.0Hp	415V	3ph	28m <sup>2</sup>	IP44	HC	✓	✓

RG374-LB3E007	GLMe2L	GLMe2
RG374-LB3E007	GLMe2L	GLMe2
RG374-LB3E007	GLMe2L	GLMe2

Fire Shutter Operator   High Cycle   Single Phase 240V										
58006F	0.75kW	4.57A	1.0Hp	240V	1ph	28m <sup>2</sup>	IP44	HC	-	-
58006FFH	0.75kW	4.57A	1.0Hp	240V	1ph	28m <sup>2</sup>	IP44	HC	✓	✓

RG376-LB1E009	GLMe2L	GLMe2
RG376-LB1E009	GLMe2L	GLMe2

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



## Specialty Operators for Fire Shutters

Part No.	kW	Amps	Hp	Voltage	Phase	Max. Door Size	IP Rating	Duty	Fusible Link	Holding Magnet
Fire Shutter Operator   Low Cycle   Three Phase 415V   Flameproof EXD										
58018FF	0.75kW	2.3A	1.0Hp	415V	3ph	28m <sup>2</sup>	IP44	LC	✓	-

Reversing Starter	Mechanical Logic GLMe2L	GLMe2
Control Options (not inc.)		
RG374-LB3E007-EX	-	-

Fire Shutter Operator   Low Cycle   Three Phase 415V   Dust Ignition Proof										
58019FF	0.75kW	2.3A	1.0Hp	415V	3ph	28m <sup>2</sup>	IP44	LC	✓	-

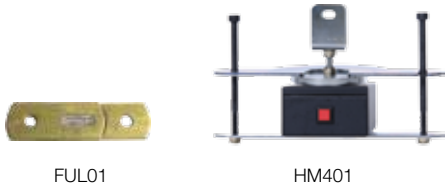
RG374-LB3E007-EX	-	-
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See page 18 for complete range of Reversing Starters.

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

## Spare Parts for Fire Shutter Operators

Part No.	Description
Replacement parts for Fire Shutter Operators	
FUL01	Fusible Link only, fuses at 71°C
HM401	24V DC Holding Magnet only inc. test / release button
HM401UK	Support bracket for HM401



### Popular Accessories



Reversing Starter  
RG374  
Page 18



Mechanical Logic Control (Light)  
GLMe2L  
Page 16



Mechanical Logic Control  
GLMe2  
Page 16



Wireless Keying Remote  
E960G  
Page 14

# Fire Shutter Manual Hoists

## Hoists for Fire Rated Roller Shutters

Part No.	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	16m²	✓	-
<b>HDHWFFH</b>	Auto-descent Fire Shutter Hoist with Fusible Link & Holding Magnet	16m²	✓	✓

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

Part No.	Description	Max. Door Size
<b>Manual Hoists</b>		
<b>HDHWO</b>	Heavy Duty Manual Hoist	22m²
<b>EHDHWO</b>	Extra Heavy Duty Manual Hoist	25m²

Suits 5mm long link hand chain only.



### Popular Accessories

5mm Hand Chain - 8m  
HC5MM8  
Page 23



Manual Hoist Mounting Plate  
MP005  
Page 22



Fusible Link  
FUL01  
Page 10

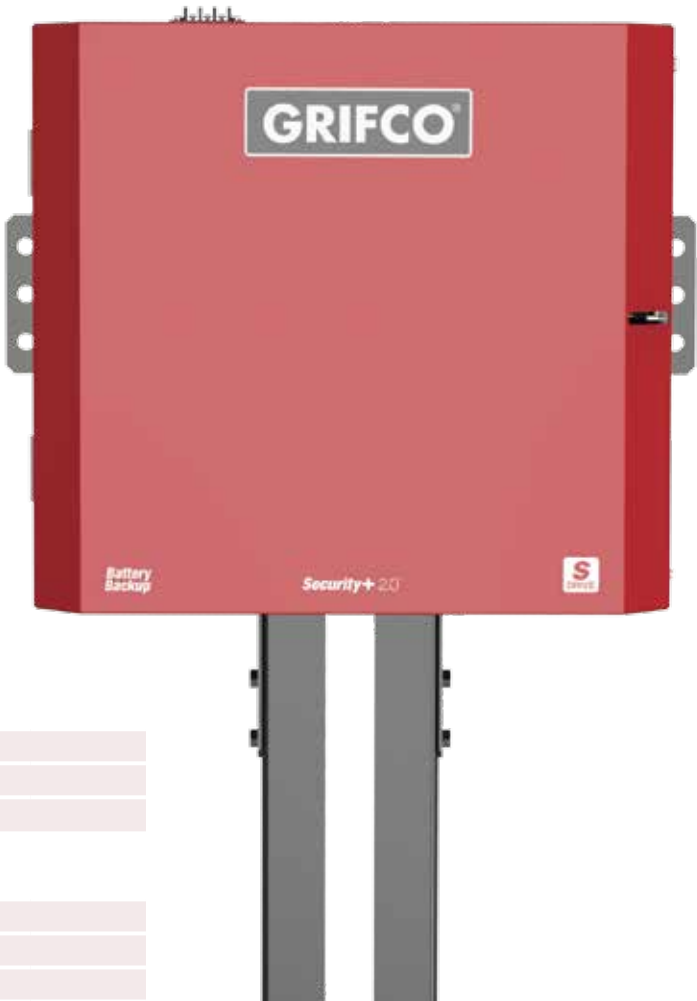


Holding Magnet  
HM401  
Page 10



# S-Drive

Operator for Commercial Sectional Doors



## Complete Kits

Part No.	Description
<b>S-Drive Sectional Door Operator   BBU   With GPS15 Reflective Beam Kit</b>	
GSDK-R2.4M-GPS15RK	S-Drive with Rail for max. 2.4m High Door & GPS15RK
GSDK-R3.6M-GPS15RK	S-Drive with Rail for max. 3.6m High Door & GPS15RK
GSDK-RKIT-GPS15RK*	S-Drive with Rail Kit max. 6.0m High Door & GPS15RK

<b>S-Drive Sectional Door Operator   BBU   With Send/Receive Beam Kit</b>	
GSDK-R2.4M-774RK	S-Drive with Rail for max. 2.4m High Door & 774RK
GSDK-R3.6M-774RK	S-Drive with Rail for max. 3.6m High Door & 774RK
GSDK-RKIT-774RK*	S-Drive with Rail Kit max. 6.0m High Door & 774RK

\* GSD-RKIT requires steel fabrication of rail length. 50 x 50 x 3mm "DuraGal" or equivalent steel angle required.  
GPS15RK includes GPS15 Reflective Safety Beam kit and 2 x E960G Transmitters.  
774RK includes 774ANZ Send / Receive Safety Beam kit and 2 x E945G Transmitters.

## Individual Components

Part No.	Description
<b>S-Drive Sectional Door Operator   BBU</b>	
GSD-SDO	S-Drive Operator with BBU
<b>S-Drive Rails</b>	
GSD-R2.4M	S-Drive Rail for max. 2.4m High Door
GSD-R3.6M	S-Drive Rail for max. 3.6m High Door
GSD-RKIT*	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.



GSD-RKIT

## Popular Accessories

**Transmitter Management Pack**  
GTM-E960G-50  
Page 14

**LED Traffic Light**  
TL24  
Page 20

**Monitored Reflective Safety Beam**  
GPS15  
Page 15

# LS-Drive

Operator for Light Commercial Sectional Doors



## Complete Kits

Part No.	Description
<b>LS-Drive Sectional Door Operator   With 774ANZ Send / Receive Beam Kit</b>	
<b>GLD-SDO-R2.4M</b>	LS-Drive with Rail for max. 2.4m High Door
<b>GLD-SDO-R3.0M</b>	LS-Drive with Rail for max. 3.0m High Door

## Individual Components

Part No.	Description
<b>LS-Drive Sectional Door Operator</b>	
<b>GLD-SDO</b>	LS-Drive Operator
<b>LS-Drive Rails</b>	
<b>GLD-R2.4M</b>	LS-Drive Rail for max. 2.4m High Door
<b>GLD-R3.0M</b>	LS-Drive Rail for max. 3.0m High Door



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

### Popular Accessories

**Key Isolation**  
KS108  
Page 19



**Flashing Lights and Sounders**  
Page 20



**Wireless Visor Remote**  
E943G  
Page 14





# Access Control Devices

## Security +2.0 Remote Access Devices

Part No.	Description	Channel	Type
<b>eDrive +2.0 Remote Access Devices   Portable</b>			
E960G	4-channel Wireless Keyring Transmitter	4	Keyring
E945G	3-channel Wireless Keyring Transmitter	3	Keyring
E943G	3-channel Wireless Visor / Forklift Transmitter	3	Vehicle

<b>eDrive +2.0 Remote Access Devices   Fixed</b>			
E138G	2-channel Wireless Wall Transmitter	2	Wall
E840G	Wireless Security Keypad	1 (keypad)	Wall

<b>Security +2.0 Transmitter Management</b>	
STAR1000EVO	Transmitter Management for up to 1,000 Remote Access Devices
E8003	Security +2.0 3-channel Add-On Receiver

All Remote Access Devices are compatible with eDrive +2.0 operators.  
Also compatible with mDrive and many other operators equipped with GLMe2 logic only. See page 16 for details.



## Transmitter Management Multi-Pack

Part No.	Description
<b>Transmitter Management Pack</b>	
GTM-E960G-50	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.



## Loop Detector

Part No.	Description
<b>Loop Detector</b>	
LD000	Loop Detector for Vehicle Detection

LD000 does not include ground loop.



# Entrapment Protection Devices

## Monitored Safety Beams

Part No. Description

### eDrive +2.0 Monitored Safety Beam Kit | Reflective

GPS15	Plug-in Safety Beam Kit, inc beam, reflector, install brackets and 20m cable
GPS15RK	Standard GPS15, supplied as a kit with 2 x E960G Wireless Transmitters

### eDrive +2.0 Monitored Safety Beam Kit | Send / Receive

GPS772	Plug-in Safety Beam Kit, inc beams, install brackets & 20m cable
GPS772RK	Standard GPS772, supplied as a kit with 2 x E960G Wireless Transmitters

All Monitored Entrapment Protection Devices are compatible with eDrive +2.0 and S-Drive operators.  
Also compatible with mDrive and many other operators equipped with GLMe2 logic only. See page 16 for details.



## Monitored Light Curtain System

Part No. Description

### eDrive +2.0 Monitored Light Curtain System

GLCPS	Light Curtain, inc mounting frames, beams, mount system & 20m cable
GLCPS-B	Bare Light Curtain without mounting frame, inc 20m cable
GLC-3E	Plug-in 3m extension cable for Light Curtain

The Grifco Light Curtain System is compatible with S-Drive and eDrive +2.0 operators with V2 software.  
Also compatible with mDrive and many other operators equipped with GLMe2 logic only (with V2 software). See page 16 for details.



## Other Safety Devices

Part No. Description

### Infrared Safety Beam Kit

PB008	Safety Beam Kit, including beam, reflector & 9m cable
PB060	Safety Beam Kit, including send/receive beams & 20m cable

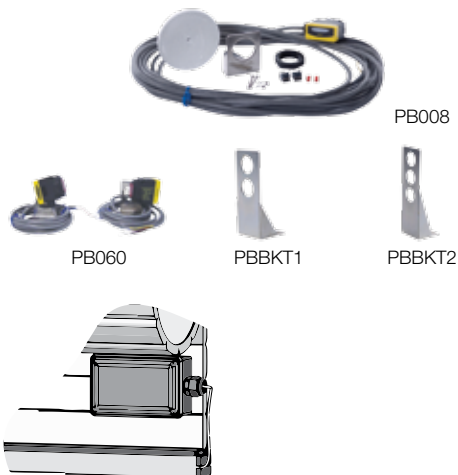
### Infrared Safety Beam Accessories

PBBKT1	150mm extension bracket (suitable for both PB008 & PB060)
PBBKT2	20mm extension bracket (suitable for both PB008 & PB060)

### Safety Edge System | 8K2 Signal

	Length
BMSE30K	Safety Edge Kit to Detect Obstructions on Closing 3.0m
BMSE45K	Safety Edge Kit to Detect Obstructions on Closing 4.5m
BMSE60K	Safety Edge Kit to Detect Obstructions on Closing 6.0m
BMSE75K	Safety Edge Kit to Detect Obstructions on Closing 7.5m
BMSE90K	Safety Edge Kit to Detect Obstructions on Closing 9.0m

All non-monitored safety beams are compatible with S-Drive, eDrive +2.0 operators and operators with GLMe2 logic controls.  
Please be careful when ordering as lengths supplied too short cannot be refunded.

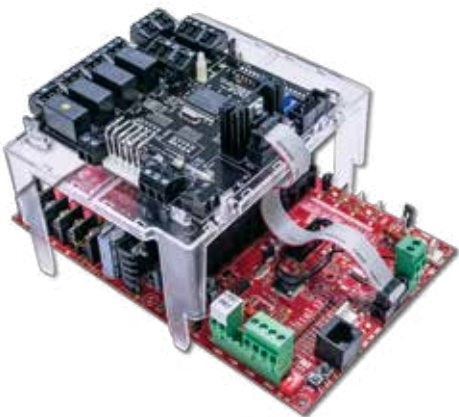


# Expansion Board

## eDrive +2.0 Expansion Board Kit

Part No.	Description	For Use With
<b>eDrive +2.0 Expansion Board</b>		
<b>EB1</b>	EB with Mounting Cradle & eDrive +2.0 High Lid	eDrive +2.0 Operator
<b>EB1-G</b>	EB with Mounting Cradle only	GLMe2
<b>EB1-GL</b>	EB with Mounting Cradle & GLMe2L High Lid	GLMe2L

All remote access devices are compatible with eDrive +2.0 operators.  
Also compatible with mDrive and many other operators equipped with GLMe2 logic only. See below for details.



EB1  
With Mounting Cradle and High Lid  
for eDrive +2.0



EB1-G  
With Mounting Cradle only  
for GLMe2



EB1-GL  
With Mounting Cradle and High Lid  
for GLMe2L

# Mechanical Logic Controls

## Logic Controls for Operators with Mechanical Limits

Part No.	Description
<b>Mechanical Logic   Metal Enclosure   Integrated Control and Key Switch</b>	
<b>GLMe2</b>	Mech. Logic Control in metal enclosure with Auto & Auto/Manual modes
<b>GLMe2N</b>	GLMe2 (as above) with no neutral

<b>Mechanical Logic   Plastic Enclosure   Separate Control</b>	
<b>GLMe2L</b>	Mech. Logic Control in plastic enclosure with separate C10A-4 control
<b>GLMe2NL</b>	GLMe2L with no neutral
<b>GLMe2L-GPS15RK</b>	GLMe2L inc. GPS15 Safety Beams & 2 x E960G Wireless Transmitters
<b>GLMe2L-GPS772RK</b>	GLMe2L inc. GPS772 Safety Beams & 2 x E960G Wireless Transmitters
<b>GLMe2H</b>	Mech. Logic Control for HD Operators in plastic enc. with integral C10A-4

Provides full eDrive +2.0 logic to mDrive, HD, EHD, Fire Shutter and Sectional Operators as well as 3rd party operators with mechanical limits.  
Replacement key for key switch available. See page 17 for details.



GLMe2



GLMe2L



GLMe2L-GPS15RK



GLMe2L-GPS772RK



GLMe2H

# Wall Controls

## eDrive +2.0 Wall Controls

Part No.	Description	Enclosure Material
----------	-------------	--------------------

### eDrive +2.0 Wall Control | Basic Operation

<b>C10A-4</b>	Standard eDrive +2.0 Control	Plastic
<b>C10AW-4</b>	Standard eDrive +2.0 Control, Waterproof	Plastic
<b>C30A</b>	Standard eDrive +2.0 Control	Metal

*C10A-4 is supplied standard with all eDrive +2.0 Operators.*

### eDrive +2.0 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-4



Part No.	Description
----------	-------------

### eDrive +2.0 Wall Control | Spare Parts

<b>SA-500-1-SALES</b>	C10A-4 Control Lid Assembly Only
<b>EB-P011-1</b>	C10A-4 Control Base Only
<b>R455</b>	Replacement key for basic locks (C21B, C41B, C21D-2, C41D-2, GLMe2)

## Customer Specified eDrive +2.0 Wall Controls

Part No.	Description	Enclosure Material
----------	-------------	--------------------

### eDrive +2.0 Wall Control | Customer Specified

<b>C50EC</b>	Woolworths Specification	Plastic
<b>C63BSC</b>	Target & K-Mart Specification	Metal
<b>C53BW</b>	Big-W Specification	Plastic



C50EC



C63BSC

C53BW

# Reversing Starters

## Three Phase 415V Reversing Starters

Part No. Overload Suits Operators

Reversing Starters | Three Phase 415V | 240V Coils | IP55

RG374-LB3E006	0.9A - 1.3A	0.37kW 0.5Hp 415V
RG374-LB3E007	2.3A - 3.2A	0.75kW 1Hp 415V to 1.1kW 1.5Hp 415V
RG374-LB3E008	2.9A - 4.0A	1.5kW 2.0Hp 415V
RG374-LB3E009	4.5A - 6.3A	2.2kW 3Hp 415V
RG374-LB3E010	5.5A - 7.5A	3kW 4Hp 415V
RG374-LB3E012	7.2A - 10.0A	4kW 5Hp 415V

Reversing Starters | Three Phase 415V | 415V Coils | IP55

RG378-LB3E006	0.9A - 1.3A	0.37kW 0.5Hp 415V
RG378-LB3E007	2.3A - 3.2A	0.75kW 1Hp 415V to 1.1kW 1.5Hp 415V
RG378-LB3E008	2.9A - 4.0A	1.5kW 2.0Hp 415V



RG374-LB3E006

## Single Phase 240V Reversing Starters

Part No. Overload Suits Operators

Reversing Starters | Single Phase 240V | 3 Wire | IP55

RG375-LB1E008	2.9A - 4.0A	0.37kW 0.5Hp 240V 3-Wire
RG375-LB1E009	4.5A - 6.3A	0.75kW 1Hp 240V 3-Wire

Reversing Starters | Single Phase 240V | 4 Wire | IP55

RG376-LB1E009	4.5A - 6.3A	0.75kW 1Hp 240V 4-Wire
RG376-LB1E010	5.5A - 7.5A	1.1kW 1.5Hp 240V 4-Wire
RG376-LB1E012	7.2A - 10.0A	1.5kW 2.0Hp 240V 4-Wire

## Three Phase 415V Reversing Starters with Special Features

Part No. Overload Suits Operators

Reversing Starters with Special Features | Three Phase 415V 1Hp

RG374-LB3E007-HP	2.3A - 3.2A	RG374 in IP56 Water Resistant Housing
RG374-LB3E007-C0024	2.3A - 3.2A	24V Coils
RG374-LB3E007-KS101	2.3A - 3.2A	Basic Key Isolator
RG374-LB3E007-KS201	2.3A - 3.2A	"Lock-it-Well" Key Isolator
RG374-LB3E007-RE024C	2.3A - 3.2A	24V DC Relay for Close Signal
RG374-LB3E007-RE240D	2.3A - 3.2A	240V AC Relay for Dock Leveler Interface

Replacement key for KS101 available. See page 17 for details.



RG374-LB3E007-EX

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

RG374-LB3E007-EX	2.3A - 3.2A	mDrive Operator MH103MF (240V Coils)
RG374-LB3E008-EX	2.9A - 4.0A	HD Operators 75007 / 75018



RG374-LB3E007-HP



RG374-LB3E007-KS101



RG374-LB3E007-KS201



# Key Switches and Push Buttons

## Key Switches

Part No.	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

<b>Key Switches   Key Isolation   2 Position   N/O Contacts   Surface Mounted</b>				
<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.



KS103HP

Part No.	Description	Key Switches
<b>Key Switches   Stainless Steel   N/O Contacts   Flush Mounted</b>		
<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

Part No.	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 Light

Part No. Description

**Traffic Light**

**TL24** 2 Aspect LED Traffic Light 24V DC (red and green) IP55

Compatible with S-Drive Sectional Door Operators and eDrive +2.0 Operators (requires expansion board).



## Flashing Lights

Part No. Description

**Flashing Light | IP65 | 24V**

<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

**Flashing Light | IP65 | 240V**

<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-L24R



GWS-L240R

## Sounders

Part No. Description

**Sounder | IP65 | 24V**

**GWS-S24** Sounder 24V 20dB Variation

**Sounder | IP65 | 240V**

**GWS-S240** Sounder 240V 20dB Variation



GWS-S24




GWS-S240

# Switches, Timers and BBU

## Limit Switches

Part No.	Description
<b>Enclosed Limit Switches</b>	
<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

Part No.	Description
<b>Automatic Timer</b>	
<b>AT000</b>	Automatic Timer 24hr 7 day

*Automatic timer is supplied within plastic enclosure as shown.*



## Battery Back Up

Part No.	Description	For Use With
<b>Stand Alone Battery Back Up Units</b>		
<b>BBU1500</b>	1.5kW 3 Phase BBU System	3Ph Ops. Max 1.5kW
<b>CGPS2KA</b>	240V BBU System	1Ph Ops. Max 0.75kW
<b>BBU2K240</b>	2.0kW 240V BBU System COMING SOON!	1Ph Ops. Max 1.1kW





BBU1500

CGPS2KA



BBU2K240  
COMING SOON!

# Mounting Equipment

## eDrive +2.0 | mDrive Transmission Kits

Part No.	Description	Output Shaft Sprocket	Drive Chain	Hauling Chain
<b>Transmission Kits for eDrive +2.0   mDrive</b>				
<b>THK-10B</b>	Transmission Kit with 10B Hardware	S1014	10B	8m
<b>THK-12B</b>	Transmission Kit with 12B Hardware	S1212	12B	8m



## eDrive +2.0 | mDrive Mounting Plate Kits

Part No.	Description	Output Shaft Sprocket	Drive Chain	Hauling Chain
<b>Mounting Plate Kits for eDrive +2.0   mDrive</b>				
<b>MPM01</b>	Mounting Plate only for eDrive +2.0 / mDrive 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 eDrive +2.0 | mDrive

<b>IBMK</b>	In-board Mounting Kit for eDrive +2.0 / mDrive Operators	-	-	-
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See matching bolt pack for mounting plates on page 24 (part no. MBM03).  
IBMK requires separate mounting plate kit.



MPM01



SK101



SK1018



SK121



SK1218



IBMK

## Other Mounting Plates

Part No.	Description	eDrive +2.0 mDrive	HD Operators	EHD Operators	Manual Hoists
<b>Mounting Plates for all Door Operators</b>					
<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 eDrive / mDrive / Manual Hoists 8mm	✓	-	-	✓



MP003

### Mounting Adaptor Plates

<b>AP01</b>	For mounting eDrive +2.0 / mDrive to legacy MD58 Operator plates	✓	-	-	-
<b>AP02</b>	For mounting legacy MD58 Operators to eDrive +2.0 / mDrive plates	-	-	-	-

### Mounting Angle

<b>MA001</b>	Wall Mounting Angle (8mm x 75mm x 300mm)	✓	✓	✓	✓
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### Anti-vibration Kit for eDrive +2.0 | mDrive | Sectional Door Openers

<b>AVK</b>	Anti-Vibration Kit for eDrive +2.0 / mDrive Openers				
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MP001



MP005



AP01



AVK

# Transmission Hardware

## Sprockets and Platewheels

Part No.	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>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>S1215</b>	15T 12B 31.75mm 8mm key	15T	12B	31.75mm	8mm



S1212

Part No.	Description	Teeth	Suits Chain
<b>Platewheels   Series II Plastic Drum Wheel</b>			
<b>PS200</b>	Series II Plastic Drum	43T	10B
<b>PS200S</b>	Series II Steel Drum	43T	10B



PS200

<b>Platewheels   Standard Platewheels</b>			
<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



P1045

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



EFS43

## Drive Chain and Hand Chain

Part No.	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 100ft Spool
<b>DC12B100</b>	12B Chain Length 100ft 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



DC10B



HC5MM



# Spare Parts

## Replacement Motors



Replacement Motors for eDrive +2.0 | eDrive | Maestro Operators

eDrive +2.0	EDL051	EDL102	EDH102	EDL053	EDL103	EDH103	EDL153
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Replacement Motors for mDrive Operators

mDrive	EDL051M	EDL102M	EDH102M	EDL053M	EDL103M	EDH103M	EDL153M
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Motor Specifications

Duty	LC	LC	HC	LC	LC	HC	LC
Hp	0.5Hp	1.0Hp	1.0Hp	0.5Hp	1.0Hp	1.0Hp	1.5Hp
Phase	1ph	1ph (4 wire)	1ph (4 wire)	3ph	3ph	3ph	3ph
Voltage	240V	240V	240V	415V	415V	415V	415V

## Main Control Board (MCB)

Part No. Description Suits Product

Replacement Main Control Boards for eDrive +2.0 Openers

MCB5ED	Standard MCB	eDrive +2.0
MCB5EDN	Standard MCB, No neutral	eDrive +2.0
MCBL5051	Standard MCB with Relays	0.5Hp eD +2.0
MCB5ED-SBF	MCB with Smoke Baffle Feature	eDrive +2.0
MCB5EDN-SBF	MCB with SBF, No neutral	eDrive +2.0
GLMe2-MCB	MCB for GLMe2 Control	GLMe2
GLMe2N-MCB	MCB for GLMe2N Control	GLMe2N
EB1	Expansion Board	eDrive +2.0

eDrive +2.0 Conversion Kit

M123ED2	Standard Conversion Kit
M123EDN2	Standard Conversion Kit, No neutral

MCB Alternate Mount Kits

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

Other Related MCB Spares

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

## Replacement Gearboxes

Part No. Description Suits Opener Output Shaft Size

eDrive +2.0 Replacement Gearboxes

RM4	Gearbox with APE	eDrive +2.0	25.00mm
ML4	Gearbox with APE	eDrive +2.0	31.75mm

Mechanical Opener Replacement Gearboxes

ML-M	Gearbox with Mech Limits	LC mDrive	31.75mm
MH-M	Gearbox with Mech Limits	HC mDrive	31.75mm
MH8-M	Gearbox with Mech Limits	MH103M8	31.75mm
750	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

Part No. Description Suits Product

General Accessories

ESK01	Control Cable Extension Kit	eDrive +2.0
TB210	Twin Terminal Blocks (10 pack)	Expansion Board
TB310	3-Way Terminal Blocks (10 pack)	eDrive +2.0 MCB
TBE210	2-Way Terminal Blocks (10 pack)	eDrive +2.0 MCB
RJC6M	Plug In Control Lead 6m	eDrive +2.0
LSMD5	MD58 Limit Switch Assembly	mDrive
MDT01	Terminal Box Only	mDrive / HD
MD22	Chain Guide Only	All
DPRK	Diamond Plate Replacement Kit	All
MBM03	Mounting Plate Bolt Kit	eDrive / mDrive
CGH26	Manual Hoist Chain Guide Only	Manual Hoist
CWP01	Plastic Handwinder Chainwheel	Manual Hoist
CWA01	Aluminium Chain Wheel	MD58 (legacy)
CWA02	Aluminium Chain Wheel	HD Openers
HD24	Steel Chain Guide	HD Openers
ACEMRK	ACEM Repair Kit	All
CAP01	Start Capacitor	eDrive / mD 1Ph
3L	Limit switch including 3 limits	All Mechanical

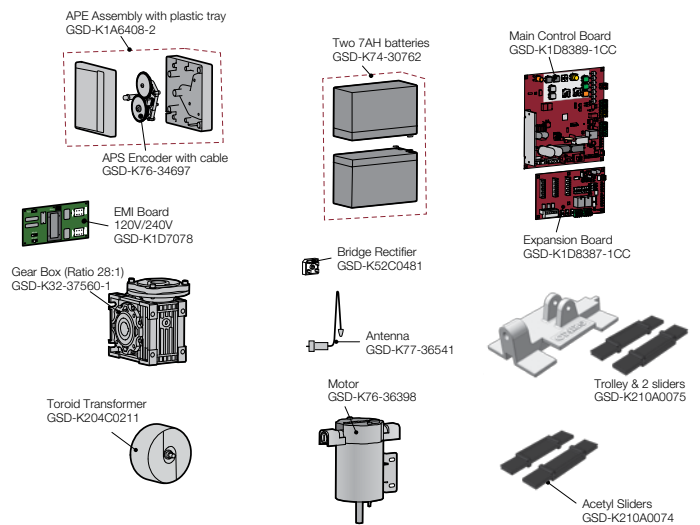
# Spare Parts

## S-Drive Spare Parts

Part No. Description

### Replacement Parts for S-Drive Sectional Door Operator

GSD-K76-36398	Motor, 1/2 HP, 24 VDC
GSD-K32-37560-3	Gear Box (Ratio 28:1)
GSD-K1D8389-1CC	Main Control Board (MCB) with heat sink
GSD-K1D8387-1CC	Expansion Board
GSD-K1D7078	EMI Board
GSD-K1A6408-2	APE Assembly
GSD-K76-34697	APS Encoder with cable
GSD-K204C0211	Toroid Transformer
GSD-K52C0481	Bridge Rectifier
GSD-K74-30762	Two 7AH Batteries
GSD-K94-37205	Battery Harness (for 7AH Batteries)
GSD-K77-36541	Antenna
GSD-K210A0074	Two Acetyl Sliders for Trolley
GSD-K210A0075	Kit including Trolley & Two Acetyl Sliders
GSD-K94-34778	Main MCB & Expansion Board Harness
GSD-K76-37858	Chassis Reset Switch with Product ID
GSD-K94-36540	Wiring Harness with Product ID



#### Not shown

GSD-K94-36540  
GSD-K94-34778  
GSD-K76-37858

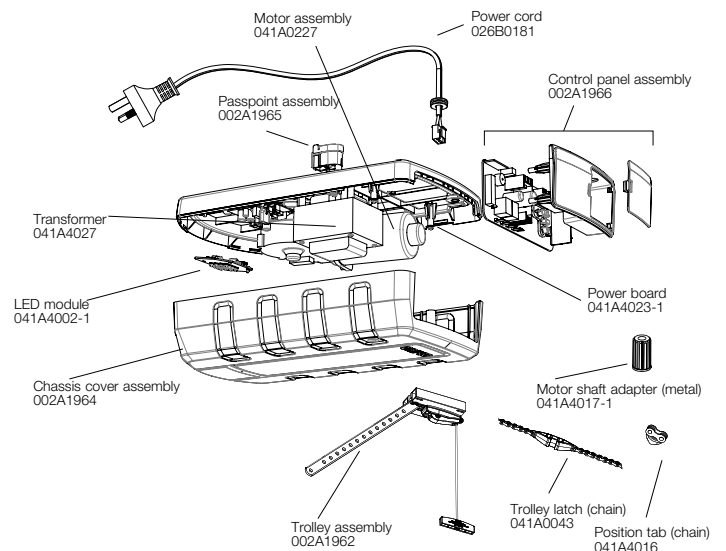
Wiring Harness with product ID assembly  
Wire harness between main control board and expansion board  
Reset Button with product ID assembly

## LS-Drive Spare Parts

Part No. Description

### Replacement Parts for LS-Drive Sectional Door Operator

041A0227	Motor assembly
041A4023-1	Power board
002A1966	Control panel assembly
002A1965	Passpoint assembly
041A4027	Transformer
026B0181	Power cord
002A1964	Chassis cover assembly
041A4002-1	LED module
002A1962	Trolley Assembly
041A4017-1	Motor Shaft Adaptor
041A0043	Trolley Latch (chain)
041A4016	Position Tab (chain)



# Legacy Products

## Legacy Security+ Remote Access Devices

Part No. Description

### Legacy eDrive Remote Access Devices | Security +

<b>CG844</b>	4-channel Wireless Keyring Transmitter
<b>CGK844</b>	Mini Receiver Card inc. 2 x CG844 Transmitters
<b>MRC2</b>	Mini Receiver Card for Legacy eDrive (not eDrive +2.0)
<b>URC2</b>	Universal Receiver Card for use with 3rd party Operators
<b>RRC2</b>	Receiver Card inc. Relay (C/NO/NC terminals) Stand alone 24V AC/DC

### Legacy Remote Access Device

<b>GT4</b>	4-Channel Wireless Transmitter 433Mhz
------------	---------------------------------------

Legacy remote access devices compatible with legacy eDrive Security + Rolling Code Operators.  
Legacy remote access devices do not work with eDrive +2.0 Operators or GLMe2 Mechanical Logic Controls.



CGK844



MRC2



URC2



RRC2



GT4



CG844

## Legacy Access Input Devices

Part No. Description

### Proximity Card System

<b>PROX1</b>	Proxy Card Reader, non-contact. Entry / Exit
<b>PROX2</b>	Prox Card Reader, non-contact. Exit only
<b>PROG1</b>	Prox Card Programmer for PROX1 / PROX2
<b>PROXC1</b>	Prox Access Card

Proximity readers designed for flush mounting.

### Wired Input Device | Keypad

<b>EASYBKA</b>	Metal Keypad, Vandal Resistant IP66
----------------	-------------------------------------

Requires alternate power supply 12-24V AC/DC.



PROX2



PROG1



PROXC1



EASYBKA



PROX1

## Legacy Logic Options

Part No. Description Enclosure Material

### Legacy Logic Options for eDrive and Maestro Operators

<b>E21D41</b>	Elite Upgrade Kit for legacy eDrive / Maestro	Plastic
<b>E41D41</b>	Elite Upgrade Kit for legacy eDrive / Maestro	Metal



E41D41



E21D41

Legacy products are not part of the current Grifco portfolio and hence no certainty can be placed on their availability. We will endeavour to maintain enough stock and availability of the products to suit the estimated needs.

Please contact your Chamberlain Sales Team before ordering any products shown on this page.

## Other Legacy eDrive Spares

Part No. Description Suits operator

### Legacy eDrive Spares

<b>LE1 (L or R)</b>	Optical Encoder Base	eDrive (legacy)
<b>OE1</b>	Optical Encoder	eDrive (legacy)
<b>OECD</b>	Optical Encoder Cradle	eDrive (legacy)
<b>OEW</b>	Optical Encoder Wheel	eDrive (legacy)
<b>RJE1M5</b>	Encoder Lead for wall mount 1.5m	eDrive (legacy)
<b>RJE0M3</b>	Encoder Lead standard 150mm	eDrive (legacy)

### Hand Held Diagnostic Tool

<b>HHDT</b>	Hand Held Diagnostic Tool	eDrive (legacy)
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Some accessories may not be applicable for various models. Please contact us for further detail.

## Legacy Sectional Door Operator Spare Parts

Part No. Description

### Sectional Door Opener Accessories

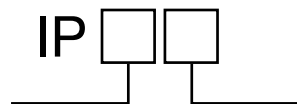
<b>PANCAR</b>	Sectional Door Carriage
<b>PANPA</b>	Sectional Push Arm
<b>PANIDL</b>	Sectional Track Support Idler
<b>PANSPR</b>	Sectional Output Shaft Sprocket
<b>PANTRK</b>	Sectional Track (per m)
<b>PANCHN</b>	Sectional Chain
<b>AVKSECT</b>	Anti-Vibration Kit for Sectional Door Openers

# IP Rating Chart




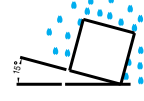

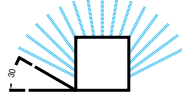



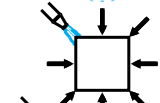

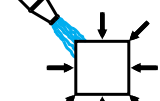
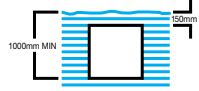
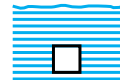
## Characteristic Numerals

Protection provided by enclosures for electrical equipment is indicated by the two IP codes:

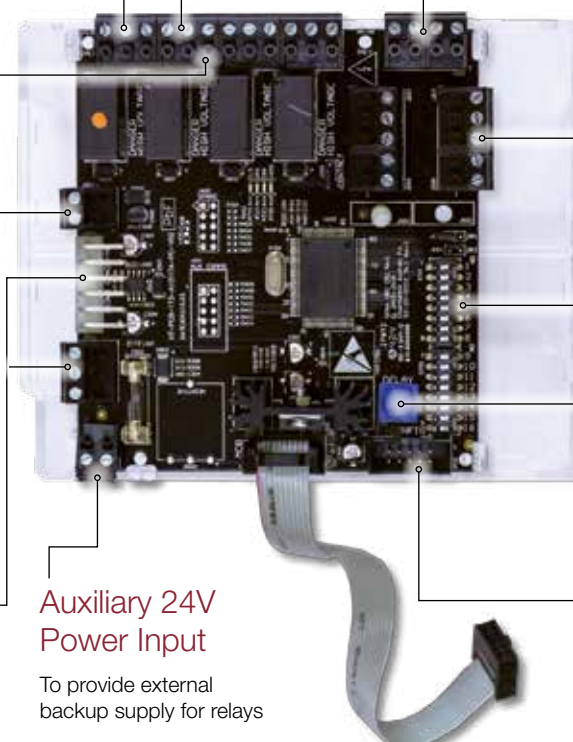
The FIRST NUMERAL indicates protection of persons against access to hazardous parts, and protection of equipment against ingress of solid foreign objects.  
(see AS 1939, Clause 5)



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
<div>The "flash" symbol indicates hazardous parts (live or moving)</div> <div></div>	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.
<div></div>	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)
<div></div>	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.
<div></div>	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.
<div></div>	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.
<div></div>	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)







# 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

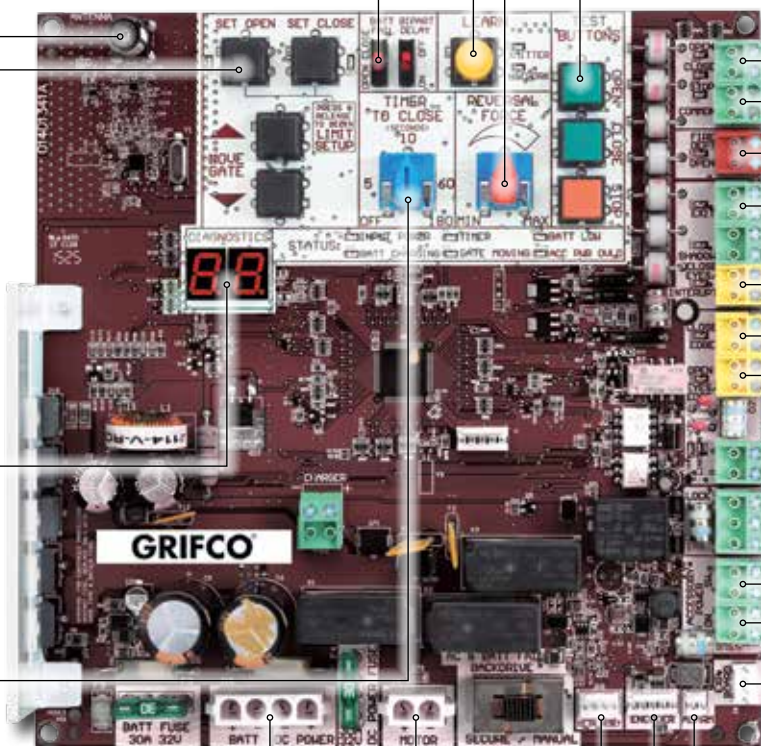
Additional devices can be configured to operate during door opening or closing

## Wired Push Button

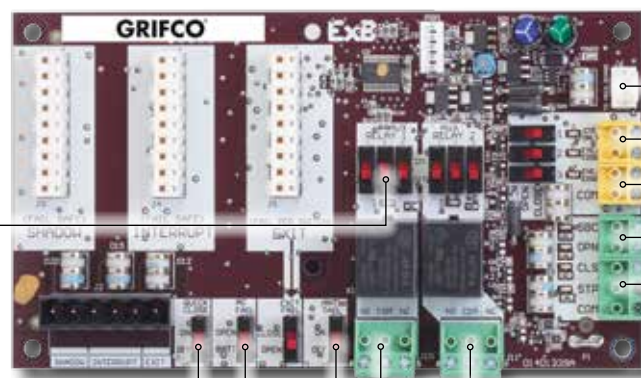
Inputs for wired push buttons to open, stop or close the door

## 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.
  - 7.3.** 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 (which ever 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

## **Chamberlain Australia Pty Ltd**

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

### **Manufacturing**

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

### **Chamberlain Branches**

**Melbourne** – Unit 18, 85-91 Keilor Park Drive Tullamarine Vic 3043

**Brisbane** – Unit 19, 140 Wecker Road Mansfield QLD 4122

**Perth** – 54 Millrose Drive Malaga WA 6090

### **Chamberlain New Zealand Limited**

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

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

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

# **GRIFCO®**

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