Vertical Lift Door Opener Kit

Supplementary Installation Manual for eDrive +2.0 Vertical Lift Door Opener Kit

NOTE:
This document contains information for the installation of the Vertical Lift Door Opener Kit which has been specifically designed for vertical lift cool room doors.

This document must be read in conjunction with the Grifco eDrive +2.0 User Manual which contains setup, operation and safety information.

Chamberlain Australia Pty Ltd
PO Box 1446, Lane Cove
NSW 1595, Australia
Phone toll free 1800 474 326

Chamberlain New Zealand Ltd
PO Box 100-221
North Shore 0745, New Zealand
Phone toll free 0800 653 667

www.grifco.com.au
www.grifco.co.nz

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SAFETY INSTRUCTIONS

WARNING

Mechanical

WARNING

Electrical

When you see these Safety Symbols and Signal Words on the following pages, they will alert you to the possibility of serious injury or death if you do not comply with the warnings that accompany them. The hazard may come from something mechanical or from electric shock.

CAUTION

When you see this Signal Word on the following pages, it will alert you to the possibility of damage to your commercial door and/or the commercial door opener if you do not comply with the cautionary statements that accompany it.

WARNING: The Grifco eDrive +2.0 User Manual contains important safety information and must be read prior to attempting installation of this opener.

SYSTEM OVERVIEW

NOTE:
This Grifco kit allows the retrofit conversion of non-Grifco motors on vertical lift cool room door configurations. The included mounting plate requires a specific counterweight idler arrangement to allow chain drive as described. The existing control box will require conversion to house the new Grifco control system.

Although every attempt is made to ensure this kit is flexible to differing installation conditions, some site variations may exist that require an alternate configuration

(Left Hand installation shown)

INSTALLATION - OPENER

Opener and mount plate assembly:

1. Mounting Plate (x1)
2. M8 screw (x4)
3. M8 Nyloc nut (x4)
4. M12 screw (x4)
5. M12 washer (x4)
6. Opener

Note: Left Hand installation shown

When replacing an existing non Grifco opener, it is recommended to follow these steps:

1. Clamp the mounting plate into position and use the 4 x M8 holes as a jig to drill through the installed idler bracket
2. Tin snip x 2 cuts (around 50mm vertically down) and bend the counterweight box guard where the hand chain is going to rub when installed.
3. Bolt the mounting plate to the Grifco Operator, lightly tightening in the "closest" chain adjustment position.
4. Using the existing drive chain (8B), fit around the "driven sprocket" as a closed loop with con link fitted.
   Drive Chain length: 711mm (28")
5. Lift the Grifco opener into position, looping the chain over the sprocket, and fixing with the 4 x M8 fasteners to the door hanger bracket.
6. Set the 13 tooth drive sprocket into position and firmly tighten the 2 x M8 grub screws, one into the key way. Note: there is NO key steel required.
7. Adjust chain tension via the 4 x M12 mounting bolts on the Grifco operator.
8. Fit hand chain and connect electrically.
9. Check mechanical installation via hand chain before operating electrically.

Reflective Beams are required to be fitted to operate the system. See instructions supplied with Reflective Beam kit for installation and setup.

Beam Installation heights from ground level: 1st set 100mm, 2nd set 600mm

INSTALLATION – ELECTRICAL CONNECTIONS

EXPANSION BOARD INSTALLATION:
Refer to Expansion Board manual for mounting instructions.

DIP SWITCH SETTINGS:
Factory setting: Dip Switch #2 to ON, set all others to OFF

Cable Number	Relay	Expansion Board (EB1)	Main Control Board (MCB)	C10A
1 (RJ6 cable supplied)	-	-	Ethernet connector	Ethernet connector
2 (Motor power cable, supplied)	-	-	N: BLUE X: BROWN Z: WHITE Y: NOT CONNECTED EARTH: YELLOW/GREEN	-
3 (APE cable, supplied)	-	-	APE3	-

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