Grifco® eDrive +2.0 - Smoke Baffle Feature (SBF)

installation and users
manual **supplement** for eDrive +2.0
with Smoke Baffle Feature

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THESE ARE IMPORTANT SAFETY INSTRUCTIONS. FOLLOW ALL INSTRUCTIONS AS INCORRECT INSTALLATION CAN LEAD TO SEVERE INJURY OR DEATH

Keep commercial door balanced. Sticking or binding doors must be repaired. Commercial doors, door springs, pulleys, brackets and their hardware are under extreme tension and can cause serious personal injury. ***Do not attempt to loosen, move or adjust them.*** Call for commercial door service.

Do not wear rings, watches or loose clothing while installing or servicing a commercial door opener.

To avoid serious personal injury from entanglement, ***remove all ropes connected to the commercial door*** before installing the door opener.

Installation and wiring must be in compliance with your local building and electrical codes. ***Connect the power supply cord only to properly earthed mains.***

Moisture and water can destroy the electronic components. Make sure under all circumstances that water moisture or storage moisture cannot penetrate the electronics. The same applies for openings and cable entries.

After the installation a final test of the full function of the system and the full function of the safety devices must be done.

When operating a biased-off switch, make sure that other persons are kept away.

The opener cannot be used with a driven part incorporating a wicket door (unless the opener cannot be operated with the wicket door open).

Motor may become hot during operation. Appropriate clearance and/or shielding should be supplied by the installer to ensure any cabling, wiring and/or other items cannot come in contact with the motor. If temperature rise exceeds 50°C all fixed wiring insulation must be protected, for example, by insulating sleeving having an appropriate temperature rating.

Permanently fasten all supplied **labels** adjacent to the wall control as a convenient reference and reminder of safe operating procedures.

Disengage all existing commercial door locks to avoid damage to commercial door. Install the wall control (or any additional push buttons) ***in a location where the commercial door is visible during operation . Do not allow children to operate push button(s) or remote control(s).*** Serious personal injury from a closing commercial door may result from misuse of the opener.

Activate opener only when the door is in full view, free of obstructions and opener is properly adjusted. No one should enter or leave the building while the door is in motion.

An electrician must disconnect electric power to the commercial door opener before making repairs or removing covers.

The actuating member of a biased-off switch is to be located within direct sight of the door but away from moving parts. **Unless it is key operated**, it is to be installed at a minimum height of 1500mm and **not accessible to the public**.

Make sure that people who install, maintain or operate the door follow these instructions. Keep these instructions in a safe place so that you can refer to them quickly when you need to.

This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety. Children should be supervised to ensure that they do not play with the appliance.

If the opener is installed at a height less than 2.5 metres from floor level or any other level from which the unit can be accessed (eg mezzanine) the installer is responsible to fit guards to the opener to prevent access to the chain drive.

Use the commercial door opener for its intended purpose. eDrive +2.0 openers are designed for operating spring balanced roller shutters, spring balanced roller doors and counterweighted bi-fold and vertical lift doors.

WARNING: Important safety instructions. It is important for the safety of persons to follow all instructions. SAVE these instructions.

INTRODUCTION

Congratulations on your purchase of the Grifco® eDrive +2.0 with built in Smoke Baffle Feature (SBF).

This product has been specifically developed to provide features necessary to meet various fire and smoke alarm event conditions.

Carefully refer to the following instructional information as it relates to the Grifco® eDrive +2.0 opener.

Note that this information is supplementary only. You must also have the Grifco® eDrive +2.0 opener installation manual with you in order to complete the installation. Given the specialised nature of this product, some of the standard features of the Grifco® eDrive +2.0 opener may not be available or the behavior of features may slightly differ.

NOTE: AN EXPANSION BOARD CANNOT BE USED IN CONJUNCTION WITH THE SMOKE BAFFLE FEATURE

FUNCTIONAL OVERVIEW

The SBF option requires the opener to have 3 limit positions set up, whereby the mid position is the Smoke Baffle Position* (SBP). This position must be set in the upper half of the door opening, and above 2100mm from the floor. A closed alarm input circuit must be supplied to the Main Control Board (MCB) in order to allow normal operation. An alarm event is signified by the sustained breaking of the alarm input.

The features contained within the SBF option are detailed as follows:

If an alarm event occurs for longer than 3 seconds, the door will drive from any** position to the SBP, and hold that position while the alarm event remains. When the alarm event has concluded, the door will drive to the fully open position, and then normal operation will be allowed. Stopping the door during an alarm event will cancel the alarm event behavior. The alarm event movement cannot be interrupted by entrapment protection inputs, or open and closed buttons.

*** WARNING! TO ENSURE COMPLIANCE WITH ENTRAPMENT REGULATIONS, THE SMOKE BAFFLE POSITION MUST BE SET AT A HEIGHT OF 2100mm OR ABOVE.**

**** IF DIP switch 2 is turned OFF, the door will NOT drive from the fully closed position upon an alarm event. See below for further details of this setting.**

CONNECTION & CONFIGURATION

The illustration below shows connection of the alarm input to the Toggle terminals on the MCB. A Normally Closed input must be connected to allow normal user operation. For all other connections, refer to the Grifco® eDrive +2.0 opener installation manual. Ensure mains power is isolated to opener before carrying out any works.

DIP switch 2 WILL NOT function as described in the eDrive manual !

If DIP switch 2 is turned OFF, the door will drive from ANY position to the Smoke Baffle Position except when fully closed.
NOTE: The system regards the fully closed position to be at or near to the closed/bottom limit.

If DIP switch 2 is turned ON, the door will drive from ANY position to the Smoke Baffle Position.

Following connection, test the system to ensure it performs in accordance with the Functional Overview.

TROUBLESHOOTING & TESTING

Status LED (green) is constantly flashing :
- Ensure limits are set correctly. The Third limit MUST be set (ref pages 12 & 13 of Grifco® eDrive +2.0 opener installation manual)
- The Smoke Baffle Position MUST be set in the upper half of the entire door travel.

Routine testing of the system is recommended to ensure proper function in accordance with the relevant authorities, or building management requirements.

CHAMBERLAIN LIMITED WARRANTY
Grifco Products

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 Unit (excluding the electric motor) is free from defects in materials and workmanship for a period of 24 months from the date of purchase.
2 The electric motor is free from defects in materials and workmanship for a period of 12 months from the date of purchase.

During the applicable Chamberlain Warranty period, if you are concerned that the Unit or electric motor 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 "do-it-yourself" repairs; 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 mo tor) 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.

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