

75007

CHAMBERLAIN®

**GRIFCO**

# INSTALLATION INSTRUCTIONS

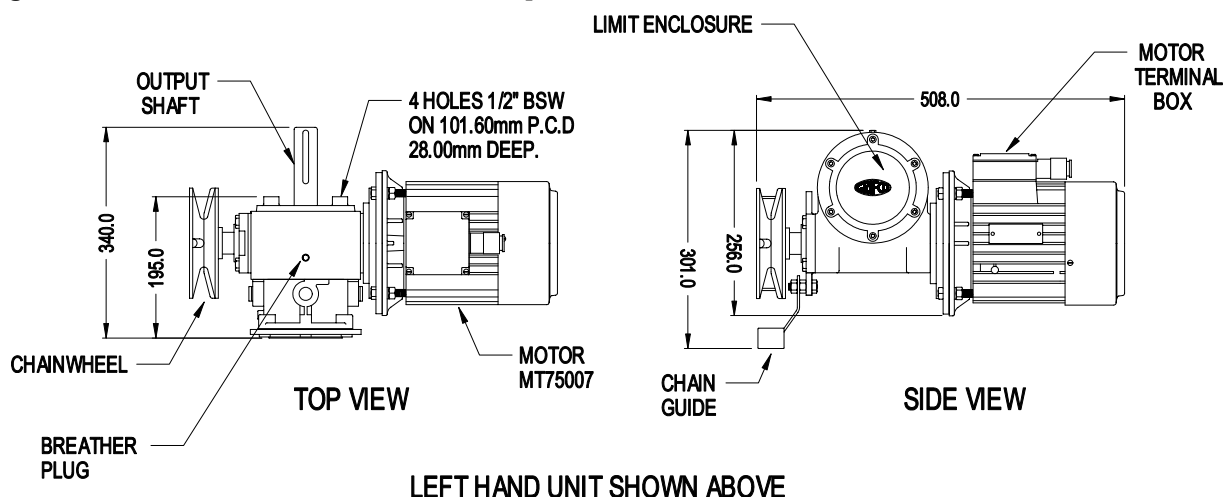
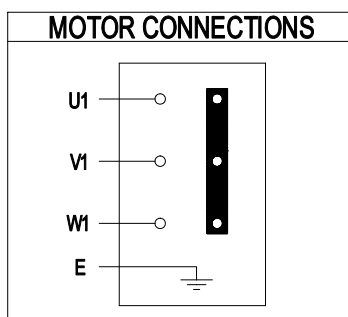
**MODEL NUMBER: 75007**

(Dust Ignition Proof)

**SUMMARY**

|                               |  |
|-------------------------------|--|
| MOTOR TYPE                    | 3-PHASE INDUCTION  |
| MOTOR CAPACITY                | 1.1kW (1.5hp)  |
| MOTOR POWER SUPPLY            | 3-PHASE 415V 50Hz  |
| MOTOR CURRENT                 | 2.9A   |
| OUTPUT SHAFT DIAMETER         | 31.75mm (1 1/4") 8mm key                                 |
| DUTY                          | HIGH CYCLE (20 cycles/hour)                              |
| AVAILABLE CONFIGURATIONS      | LEFT AND RIGHT HAND                                      |
| INVERTABLE                    | NO   |
| MAXIMUM STANDARD SHUTTER SIZE | 50m <sup>2</sup> (Guide only, based on spring balancing) |
| RECOMMENDED SPROCKET RATIO    | 4:1  |

[ figure 1: 75007 LABELLED DESCRIPTION ]

**CONNECTION****REVERSING STARTERS**

For standard installations the following are required:

|                   |  |
|-------------------|--|
| REVERSING STARTER | RC374DF<br>(415V 3Ø MOTOR, 240V CONTROL CIRCUIT) |
| OVERLOAD          | LR3E008<br>(2.6-3.7A 3Ø AMPERAGE OVERLOAD)       |

**NOTE: If NEUTRAL IS NOT AVAILABLE**  
then the following must be used:

|                   |  |
|-------------------|--|
| REVERSING STARTER | RC378DF<br>(415V 3Ø MOTOR, 415V CONTROL CIRCUIT) |
| OVERLOAD          | LR3E008<br>(2.6-3.7A 3Ø AMPERAGE OVERLOAD)       |

FOR REVERSING STARTER CONNECTION DETAILS:  
REFER TO THE DIAGRAM INCLUDED WITH THE CONTROL**LIMIT SWITCH CONNECTION AND SETTING**

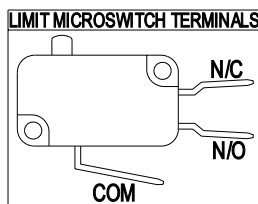
MODEL NUMBER: 75007

INSTALLATION / USER MANUAL

REV.18/10/01

## CONNECTION

The limit switches must be connected to the control gear being used via the NORMALLY CLOSED (N/C) and COMMON (COM) of the microswitch as shown below:



The limit switch mechanism is a worm driven friction held adjustable cam system using two micro switches.

## LIMIT SETTING PROCEDURE

**WARNING:** Limits are extremely sensitive, a small cam movement may correspond to a large amount of shutter travel.

-ISOLATE MAINS BEFORE SETTING LIMITS

-AVOID CRAMMING WIRES INTO LIMIT ENCLOSURE AS IT MAY AFFECT CAM MOVEMENT

Follow the steps below: (use supplied adjustment tool)

- Manually position the door in the centre of the opening.
- Position one cam to depress a switch and the other so that it is well clear of the switch.  
(Note which switch it is that you have depressed.)

- **For controls with up and down functions:**

~Supply power and activate control in the upward direction.

~If the shutter travels up then the limit switch noted above is the bottom limit.

~If the shutter doesn't move it is the top limit.

- **For single button controls:**

~Supply power and push the button.

~If the shutter moves up, the switch noted above is the bottom limit.

~If it moves down then it is the top limit.

-Isolate power and adjust the limit cams to depress the switches when the shutter reaches its open and closed positions.

-Test the cam positioning and adjust if necessary.

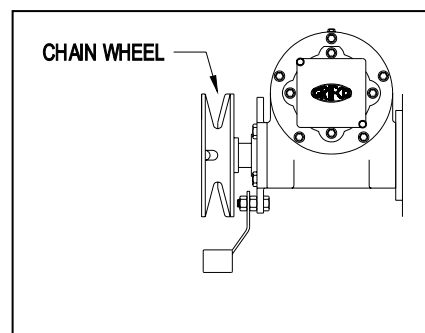
## BREATHER PLUG

- After installation the breather plug must be removed. (ref. Page 1)

## MANUAL CHAIN OPERATION

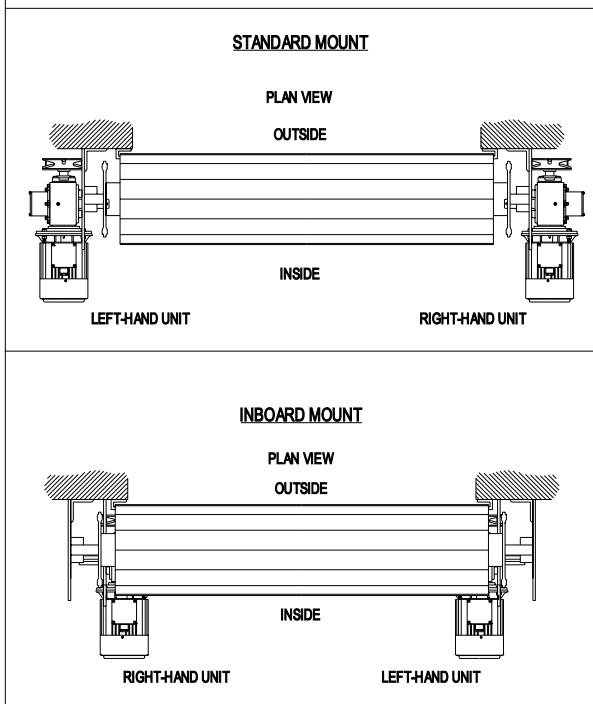
- If a power failure occurs and your door must be operated, follow steps below :

- 1) Isolate potential power source.
- 2) Use ladder to access drive unit.
- 3) Lift manual chain on to the chain wheel.
- 4) Return to the ground and pull chain to operate door.
- 5) Before restoring power, chain **MUST** be removed from the wheel.

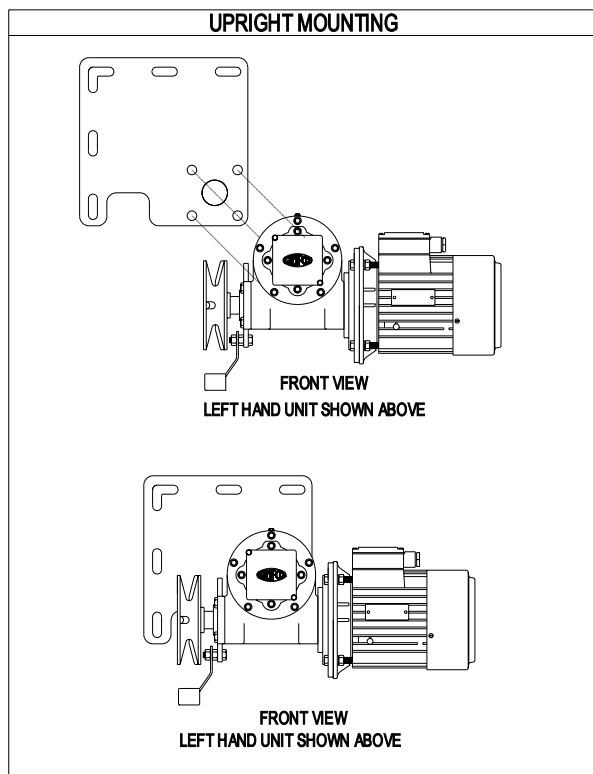


## MOUNTING THE UNIT

### MOUNTING POSITIONS FOR LEFT-HAND AND RIGHT-HAND OPERATORS FOR STANDARD AND INBOARD MOUNT



Fit the mounting plate (Part No:MP001)  
Using 1/2" BSW HX HD set screws and  
spring washers.



## MOUNTING ACCESSORIES

|   |  |
|---|--|
| MOUNTING PLATE                                  | MP001 (HD75 MOUNTING PLATE)                            |
| MOUNTING BOLTS                                  | 4 x 1/2" BSW x 1 1/4 HX HD SET SCREWS & SPRING WASHERS |
| MOUNTING ANGLE                                  | MA001 (75x75x8mm ANGLE 300mm long 6x13mm holes)        |
| <b>TRANSMISSION ACCESSORIES 10B(5/8") PITCH</b> |  |
| <b>DRIVE SPROCKET</b>                           |  |
| 12 TOOTH 12B DRIVE SPROCKET                     | S1212 (31.75mm (1 1/4") bore 8mm key)                  |
| <b>PLATEWHEELS (DOOR SPROCKETS)</b>             |  |
| 45 TOOTH 12B PLATEWHEEL                         | P1245  |
| <b>DRIVE CHAIN</b>                              |  |
| 12B ROLLER CHAIN                                | DC12B (Includes 1 conlink)                             |
| <b>MANUAL HAULING CHAIN (HANDCHAIN)</b>         |  |
| 5mm LONG LINK HANDCHAIN                         | HC5MM (SUPPLIED BY THE METRE)                          |

Details subject to change without notice.



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- ▶ **Chamberlain Australia Pty. Ltd.**  
**15 Dell Road (PO BOX 6106)**  
**WEST GOSFORD NSW 2250**

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- ▶ **Phone:**  
**(02) 43233877**

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- ▶ **Fax:**  
**(02) 43233882**

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- ▶ **e-mail:**  
**questions@grifco.com.au**

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- ▶ **www.grifco.com.au**