

75002

CHAMBERLAIN®

**GRIFCO**

# INSTALLATION INSTRUCTIONS

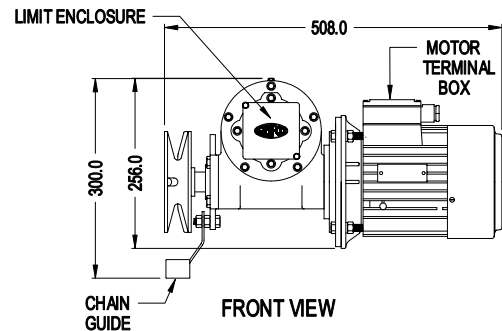
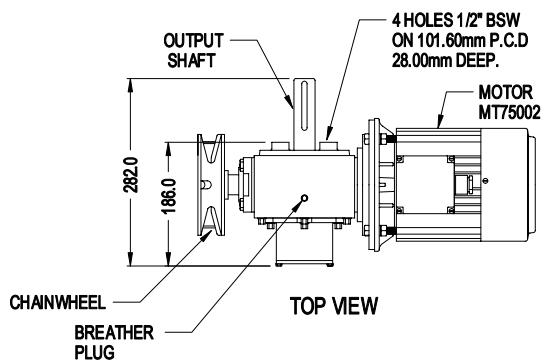
## MODEL NUMBER: 75002

(Low Cycle Roller Shutter Drive Unit)

### SUMMARY

MOTOR TYPE	3-PHASE INDUCTION
MOTOR CAPACITY	1.1kW (1.5hp)
MOTOR POWER SUPPLY	3-PHASE 415V 50Hz
MOTOR CURRENT	2.5A
OUTPUT SHAFT DIAMETER	31.75mm (1 1/4") 8mm key
DUTY	SHORT TIME (5 operations per 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

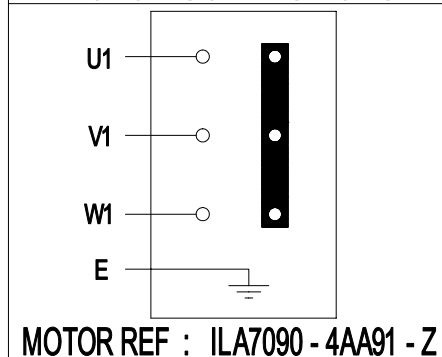
[ figure 1: 75002 LABELLED DESCRIPTION ]



LEFT HAND UNIT SHOWN ABOVE

## CONNECTION

### MOTOR CONNECTIONS



### REVERSING STARTERS

For standard installations the following are required:

REVERSING STARTER	RC374 (415V 3Ø MOTOR, 240V CONTROL CIRCUIT)
OVERLOAD	LR3E008 (2.6-3.7A 3Ø AMPERAGE OVERLOAD)

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

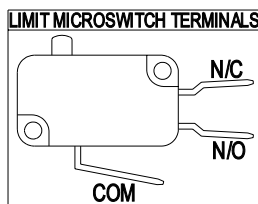
REVERSING STARTER	RC378 (415V 3Ø MOTOR, 415V CONTROL CIRCUIT)
OVERLOAD	LR3E008 (2.6-3.7A 3Ø AMPERAGE OVERLOAD)

FOR REVERSING STARTER CONNECTION DETAILS:  
REFER TO THE DIAGRAM INCLUDED WITH THE CONTROL

## LIMIT SWITCH CONNECTION AND SETTING

## 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.

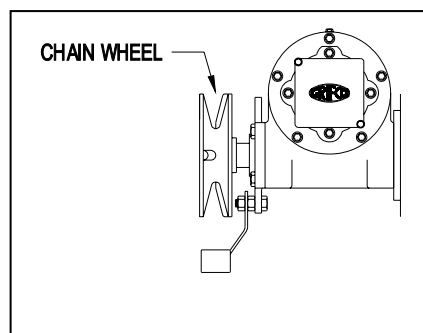
## BREATHER PLUG

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

## MANUAL CHAIN OPERATION

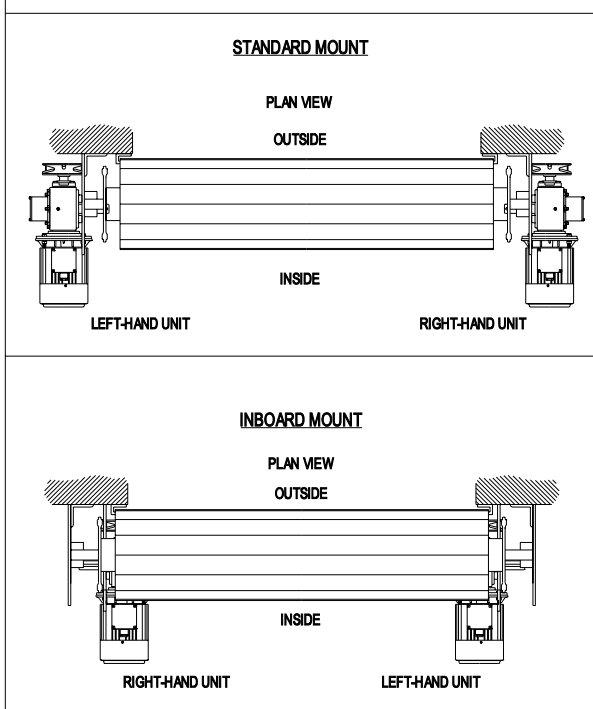
- If a power failure occurs and your door must be operated, follow steps below :

- 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.

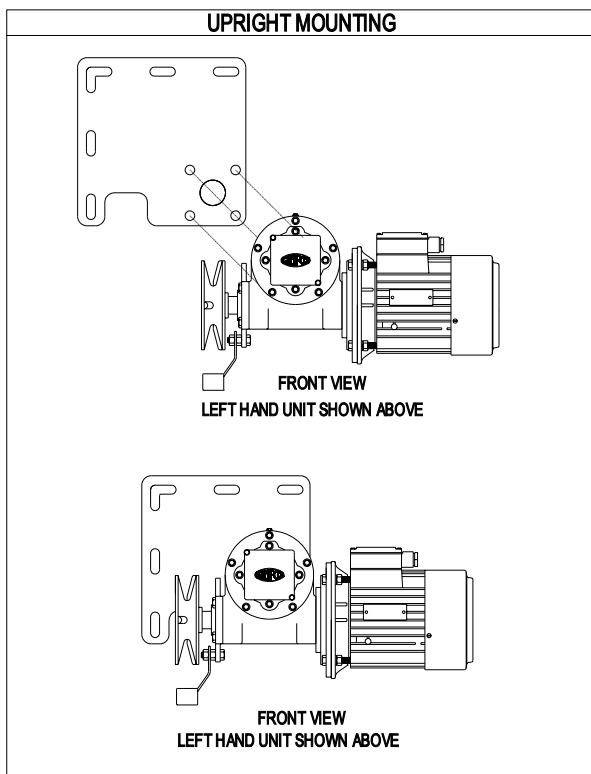


## MOUNTING THE UNIT

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



Fit the mounting plate (Part No:MP001)  
Using ½" BSW HX HD set screws and  
spring washers.



## MOUNTING ACCESSORIES

MOUNTING PLATE	MP001 (HD75 MOUNTING PLATE)
MOUNTING BOLTS	4 x ½" BSW x 1¼ 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 ¼") 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**