

# Downee

Your perimeter solution partner

DA Sliding Gate Operator  
4 CAM Limit Switch

**Replacement / Retrofit Procedure**

## Introduction

The 4 cam limit switch is supplied as a sub assembly, complete with mounting plate and pre wired cable loom. Be sure that mains power has been isolated from the DA Gate Operator before proceeding.

### Step 1

Carefully loosen all terminals and disconnect the 6 core limit switch cable from the Elsema control board within the control unit.

### Step 2

Loosen the cable gland and remove 6 core cable from the control unit.

### Step 3

Loosen the screws securing the limit switch. Then, slide the limit switch to reduce the chain tension. Remove the drive chain from the limit switch sprocket.

### Step 4

Remove the fixing screws which secure the limit switch mounting plate to the Gate Operator as per Pic 1 below.



Pic 1: Limit switch fixing screws

### Step 5

Remove limit switch sprocket by loosening the grub screw.

### Step 6

Position the replacement limit switch assembly in place and loosely fit the fixing screws.

### Step 7

Fit the limit switch sprocket, making sure the sprocket is aligned with the drive sprocket on the output shaft of the gearbox and carefully tighten grub screw, ensuring correct grub screw engagement on the limit switch shaft.

## Step 8

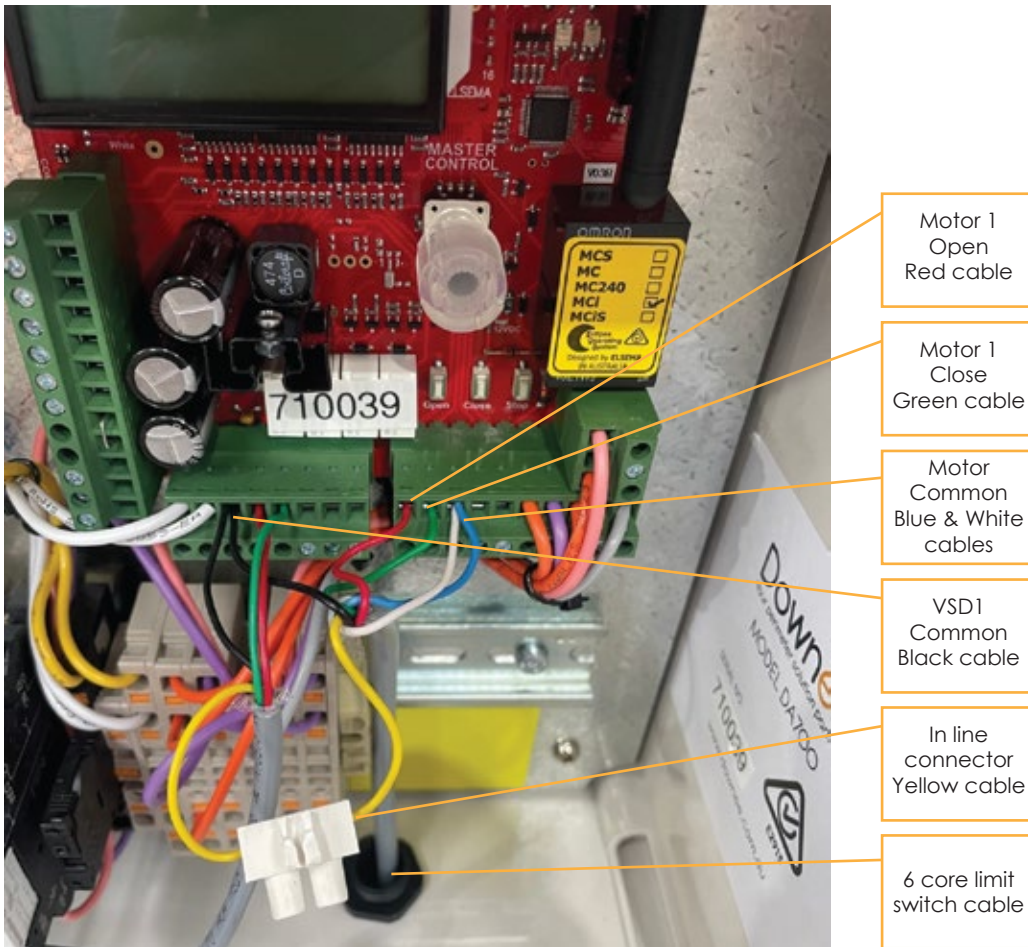
Adjust limit switch chain tension and tighten limit switch fixing screws.

## Step 9

Feed the 6 core cable into the control unit via the cable gland.

## Step 10

Connect the colour coded 6 core cable to the Elsema control board as per Pic 2 below, then tighten cable gland.



Pic 2: Limit switch wiring configuration

## Step 11

Set the limits in accordance with the DA Operator Installation manual and complete a Gate Learning procedure.

## End of procedure