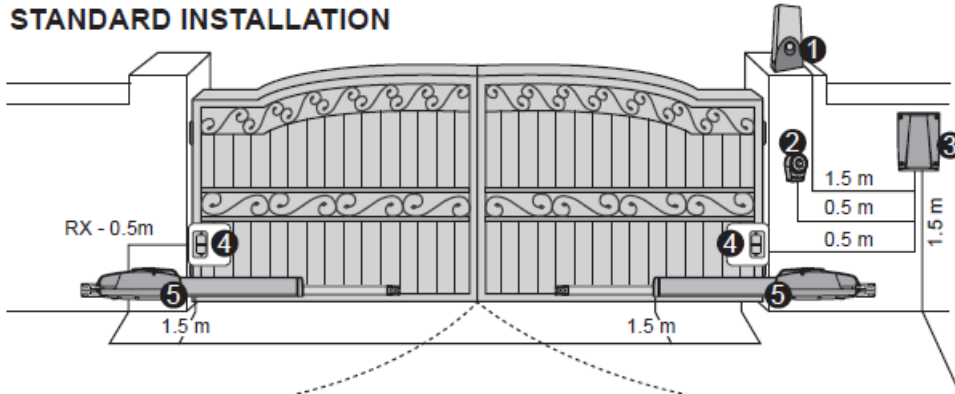


# Mastiff400+ Limit Switch +LED indicator with CB19 control system

## 1. Definitions: OPEN INWARD

### STANDARD INSTALLATION



External tube: extend out – Gate closing; fully extended – Gate closed

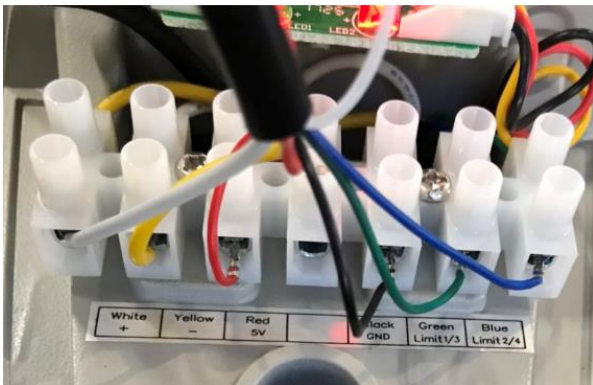
External tube: pull back – Gate opening; fully pull back – Gate opened

LED indicator: front limit (close limit) – RED LED ; RED LED turn off once close limit has been triggered

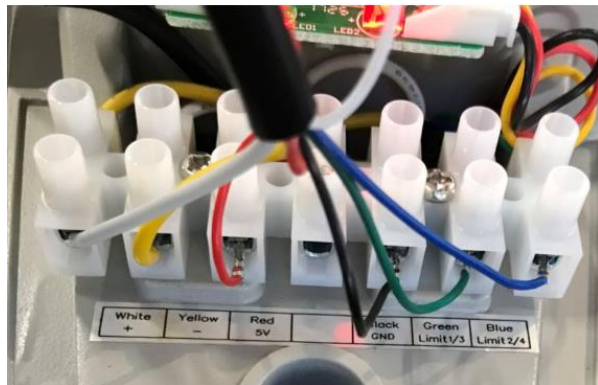
LED indicator: rear limit (open limit) – GREEN LED GREEN LED turn off once open limit has been triggered

## 2. Wiring on the Motor and Main control PCB

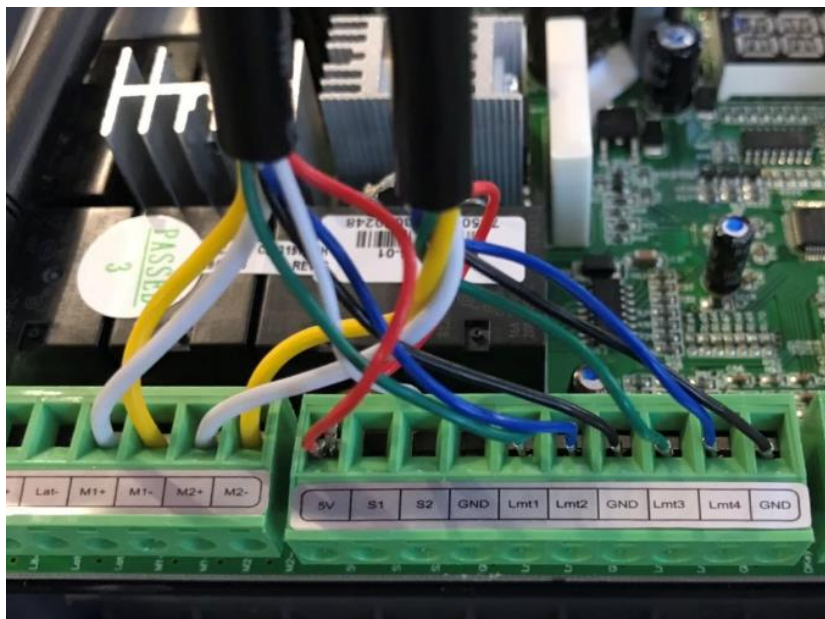
Master Motor M1+/M1-



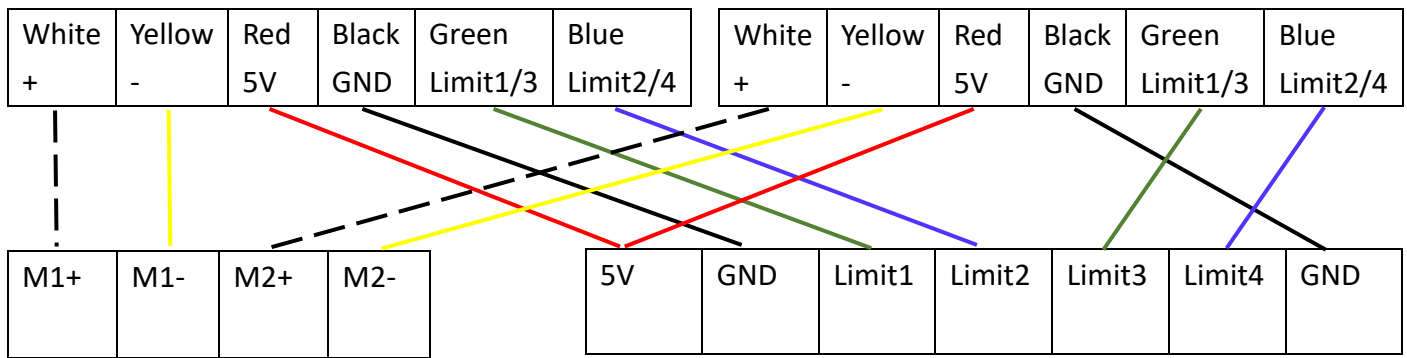
Slave Motor M2+/M2-



CB19 Main control PCB



Follow the color of the cable:



### 3. Parameter settings:

Make sure F1 change from F1-1 to F1-2 for motor with limit switch

Make sure FJ for Dual gate/Sing gate change to Dual gate

### 4. Inspection and trouble shootings:

STEP1: Using the F1-1 for motor with over current mode to run the system learning procedure

During the system learning, checking the LED indicator RED/GREEN is correctly operate, also the wirings are correct

STEP2: Change from F1-1 to F1-2 for motor with limit switch, the motor should STOP at the limit switch triggered point, instead of running to the motor end !!! very important to notice this

Trouble:

IF the motor do not stop once the LED RED/GREEN has been triggered, the definition for close and open might get wrong, simply swap the motor wire White/Yellow or M+/M- ; which should get you the correct operation

When the motor start to operate, the LED screen on the main PCB will show **CLS** or **OPN**

Refer to attached video for full operation of the Mastiff400+LS+LED

