E-PORT LED SIGNALS

The information below is an aid to diagnosing the various signals that the two LEDs on the 18650 E-Port can display.

If the up or down button is pressed with the controller in a wallplate connected to a motor the TOP LED should light up for a few seconds to indicate that motor drive is occurring. If the up or down button is pressed with the controller out of a wallplate the TOP LED should flash to indicate the controller is trying to drive but there is no load.

When a charger is plugged directly into the bottom of the controller the CHARGE LED will always illuminate (even if for a few seconds) to show that power is available to the controller when required.

1. Is the controller responding to UP or DOWN button presses?

The Controller may be in sleep mode. To “wake” it up plug a charger directly into the charging jack on the bottom of the controller. Ensure that the charger is plugged in and switched on. The CHARGE LED should light up to indicate charging is occurring.

Does the controller now respond to button presses?

2. Does the CHARGE LED flash when a button is pressed?

This indicates that the controller needs Charging. A full charge will require approximately 8 hours.

3. Does the TOP LED flash when a button is pressed?

This indicates that the controller is trying to drive a motor. Fit the controller to a wallplate and try to drive a motor.

4. Are the TOP LED and CHARGE LED flashing at the same time?

This indicates that the controller is in ERROR MODE. The controller monitors the charging circuit and if it detects a problem will enter error mode. The controller cannot be used in this state and should be removed from any charging source.

Some controllers have a resettable Error Mode. Check the batch number on the label on the back of the controller. The batch number is shown in digits 3 to 6 of the serial number (refer to the diagram).

Error Mode can be reset if the batch number of the controller is 0027 or higher for Non RF Controllers or 0011 and higher for the RF Controllers.

The reset is achieved by letting the battery go flat or removing and then reconnecting the battery.

Controllers with batch numbers below those listed will require a service call to investigate the controller.

The problem in the charging circuit is most probably a short circuit within the wallplate so this will need to be investigated. Obvious things to check for are wire whiskers on the motor loom, metal swarf, crushed wiring or metal touching the terminals of the wallplate.

5. Are the TOP LED and CHARGE LED flashing alternately?

This indicates that the controller is in LOCKOUT. This feature of the controller is to protect it against being overused in a short period of time. After a few minutes the controller can be used normally.

6. Does the TOP LED stay on continuously?

This indicates that the controller is in TEST mode. To exit TEST mode press following buttons in sequence: UP, DOWN, STOP, STOP (note that STOP needs to be pressed twice).

The TOP LED will go off, and the controller will be in SLEEP mode. To wake the controller, follow the steps from 1) above. It is easy to recover from TEST mode; however this fault should be reported to OZRoll.

Figure 1.

E-PORT 18650 CONTROLLER
FAVOURITE FUNCTION

The 18650 E-Port Controller has been upgraded to allow for a programmable favourite position.

Both RF and Non-RF 18650 E-Port Controllers now have programmable "Favourite" positions.

Check the batch number in the serial number to determine if the controller has the favourite function.

The label on the back of the controller has a barcode and **10-digit serial number.**

The first two digits are the Product Number (which will be numbers 19 or 20).

The next four digits are the Batch Number (0001 to 9999).

The last four digits are the Production Sequence Number (0001 to 9999).

The favourite function is included in **Non-RF** controllers (15.600.001) with a batch number of **0027** and above.

For **RF** controllers (15.601.001) the favourite function is included if the batch number is **0011** and above.

Operating the favourite position will enable the controller to drive in the UP direction for a period of time that can be pre-set by the user.

At the start of the operation the controller will **always** use the bottom stop of the shutter as its reference position. When favourite mode is actuated the shutter will be **driven down to the bottom stop** and then **up to the set favourite** position.

The controller drives the shutter to the favourite position by measuring the motor run time from the bottom stop position. This means that the favourite position can vary slightly with the amount of charge in the battery (as low charge will reduce motor speed). It also means that the favourite position may not be accurate if the controller is moved to a shutter with a different height.

FAVOURITE POSITION OPERATION

To SET the Favourite Position

1. Press and release the Down button on the controller to drive the shutter to the fully Down position. When the shutter is fully down proceed onto the next step.
2. To **set the favourite position,** press and hold the **UP and STOP buttons** at the same time.
3. The shutter will drive in the up direction. When the desired favourite position is reached release the two buttons.

To OPEN the Shutter to the Favourite Position

4. **With the motor stopped,** press and **release** the **DOWN and STOP** buttons **at the same time.**
5. The shutter will go to the fully down position and then go up to the set favourite position.

For RF 18650 Controllers the favourite position can also be activated remotely by pressing the star symbol located on the channel selector button on the transmitter.