

**Applies to:**

Sport Rider Scooters (SR001 and SR003)

**Diagnostics**

Below is a break down of the flash sequence giving an indication of the area which is at fault. If there is a fault present the controller will indicate the fault by a series of flashes.

The status LED next to the reset button on the right hand side dial will flash blue. In the event of an error, the LED will flash initially (which should be ignored), pause and then flash in sequence to show the errors below.



*DS90/120 with Terminal cover and DS160ACT*

The status LED will flash to indicate the fault. The status LED will continue flashing until the fault is rectified and the keyswitch has been cycled.

1 Flash • _ • _ • _	<b>Low Battery.</b> Battery voltage has dropped below 23.3V. Recharge batteries as soon as possible.
2 Flash •• _ •• _ •• _	<b>Battery voltage too low.</b> Voltage has dropped below 16.5V. Recharge batteries or leave scooter switched off a few minutes.
3 Flash ••• _ ••• _ ••• _	<b>Battery voltage too high.</b> Unplug the charger from the scooter if it is plugged in. Turn the scooter off and on. Reduce speed down any gradients.
4 Flash •••• _ •••• _	<b>Current limit time-out.</b> The scooter has drawn too much current for too long. Turn the scooter off and leave for a minute. If the problem persists, check loom and motor for shorts.
5 Flash ••••• _ ••••• _	<b>Brake Fault.</b> Check the freewheel lever is in the DRIVE position. Check the brake connector is plugged in firmly.
6 Flash •••••• _ •••••• _	<b>Out of Neutral at Power Up.</b> Return wigwag paddle to neutral then turn off and on again. If problems persist, wigwag paddle may need re-calibrating
7 Flash ••••••• _ ••••••• _	<b>Speed Pot Error.</b> Wigwag paddle or its wiring is faulty. Check the paddle is calibrated and check for open or short circuits.
8 Flash •••••••• _ •••••••• _	<b>Motor Volts Error.</b> Motor or its wiring is faulty. Check the paddle is calibrated and check for open or short circuits.
9 Flash ••••••••• _ ••••••••• _	<b>Internal Controller Fault.</b> Contact Drive Medical