



## O52 Fault Indication

If the O52 controller detects a fault it will enter into a safe mode. The controller will not allow the dispenser to function until the reason for the fault has been rectified and the controller has been reset, below you will find the fault codes and the potential reasons for them.

All of the fault codes are shown via the green LED on the front panel, the LED will alternate between short and long flashes, in groups of 4.

### **SUPPLY VOLTAGE TOO LOW (short - short - short - long)**



This occurs when the supply voltage falls below the minimum level of 10V necessary for correct operation.

This may be caused by a faulty mains power supply unit, an electricity supply distribution problem, the use of an incorrect type of battery or a battery becoming discharged.

If this fault is indicated only when a ball delivery is about to take place, it may be caused by the power supply or battery being incapable of supplying adequate start-up current for the motors, or there may be a poor connection in the wiring between the power supply or battery and the controller.

### **SUPPLY VOLTAGE TOO HIGH (short - short - long - short)**



This occurs when the supply voltage rises above the maximum recommended level of 22V. This may be caused by a faulty mains power supply unit or the use of an incorrect type of battery.

### **TIP SEQUENCE FAILURE (long - short - short - short)**



This is most likely to occur in a dispensing cycle immediately after the tipping mechanism has been obstructed by a jammed ball or foreign body and is due to the fact that the cycle commenced when the tipping mechanism was already positioned part-way through its normal sequence.

### **TIP MOTOR OVERLOAD (long - short - short - long)**



This will occur when a jammed ball or other obstruction prevents the tipping cycle from completing and the motor's movement is blocked, causing the motor to draw excessive current.

When this condition is detected, power is removed from the motor to prevent damage through overheating.

When power is removed and re-connected to clear this fault, it is recommended that a test dispensing cycle is carried out, since the mechanism may not be in its correct 'parked' position and, as a result, a 'TIP SEQUENCE FAILURE' fault may occur when the next delivery cycle is attempted.

### **TIP MOTOR PARKING FAILURE (long - short - long - short)**



This will occur when the controller detects that the tip motor has run for a longer period of time than is expected to complete one delivery cycle. This may be caused by a faulty motor parking switch or a wiring fault. When this condition is detected, power is removed from the motor to prevent continuous and uncontrolled ball delivery from taking place.