

Charging Dock Testing Guide

This document will guide you on how to test the charging dock to ensure that the dock is receiving the correct voltage across the terminals. Follow the steps below to determine if the charging dock is functioning correctly.

Step 1

The charging dock will need to be taken out of the track or moved to the very end for access. You must first isolate the charging dock by turning off the mains power supply. Either by the switch on the wall or isolating the main consumer unit (house breaker).

Step 2

Remove the track end cap and safety bolt to access the charger.



Step 3

Release the charging dock by loosening the two button head screws below, the dock can now be moved to the very end of the track for access, the dock can also be removed from the track if required.



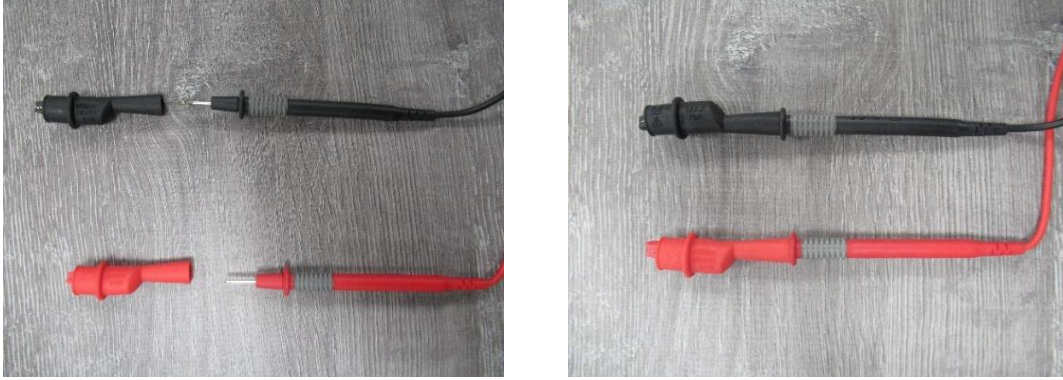
Step 4

Inspect the wiring connections on the rear of the charging dock are in good condition and are secure. Look for exposed wiring and burns.



Step 4

Prepare the multi-meter by connecting crocodile clips to the end of the multi-meter probes.



Step 5

Prepare the multi-meter by setting it to read DC volts, the red lead (positive) should be plugged into the voltage port, and the black lead (negative) should be plugged into the COM port. The display screen should show a reading of 0.0 volts.

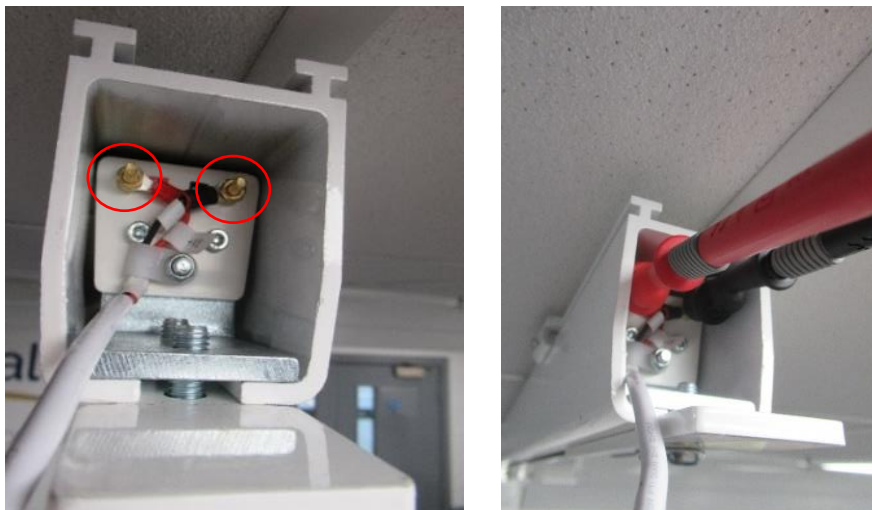


Step 6

Turn the power supply back on for testing.

Step 7

Attach the red lead (positive) to the positive terminal on the charging dock, and then the black lead (negative) to the negative terminal on the charging dock.



Step 8

Once the multi-meter is attached to the terminals, it will come back with the voltage reading, the charger is functioning correctly if the reading is between **27v and 28v**. Anything outside of this parameter is a failure and the charging unit must be replaced.



Test complete.

Disconnect the multi-meter from the charging dock and reposition the charging dock as it was installed. Make sure to refit the end cap and safety bolt. While moving the charging dock we always advise that the power is isolated.