

## Class 37 Electric Locomotive

### Instructions for Running and Charging the Batteries

The picture below shows the rotary switch installed in the locomotive that allows for running and charging without the need to remove the batteries or the hand controller.



The switch has three positions, numbered 0, 1 and 2. A wiring diagram for this switch will be made available on the NWMES Website, and a copy will be on display in the engine container.

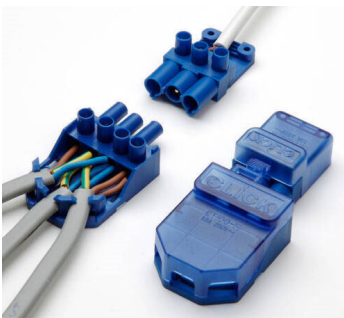
Position 0 will disconnect all internal wiring.

Position 1 will allow the locomotive to be driven using the handset

Position 2 will allow the batteries to be charged.

It is good practice to always turn OFF the handset when the locomotive is in the container and ready to have the batteries charged.

1. **At this time it is presumed the locomotive has just been returned to the container for battery charging, and the body removed.**
2. **THE BATTERY CHARGER SHOULD NOT BE PLUGGED IN AT THIS TIME** .  
The rotary switch will be set to position 1, and the handset will be OFF. If this is not the case then make sure the handset is OFF, and go to 2.
3. Move the rotary switch to position 0 and connect the battery charger to the locomotive. To make this easier the charger and loco have been fitted with a plug and socket which are made from purple plastic. Simply plug the charger into the socket and then plug in the charger and switch on power.
4. The Rotary switch can now be turned to position 2, and the battery charger should now show the batteries charging and display a percentage charged.
5. **When the locomotive is required for running**, it is presumed that the batteries will have been charging. Make sure the charger is switched off from power, is unplugged, and then turn the rotary switch to position 0.
6. Disconnect the charger from the charging plug in the locomotive, and then turn the rotary switch to position 1. It will then be safe to turn the handset ON, and driving can take place.



CHARGING PLUG AND SOCKET