



Application Note

Rev 01

AN52 – Replacing an IPC Battery

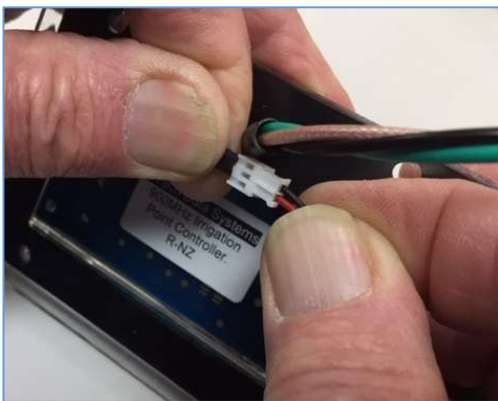
Introduction

This document details the physical installation and removal of IPC batteries as well as post battery replacement IPC checks.

Installing an IPC Battery



- A syringe of Silicon water proofing grease is provided with a replacement battery package.
- Inject a small amount of silicon grease into the battery cable connector housing.



- Hold the battery socket and plug connectors by the wires and align the polarizing ridge on the plug with slot in the connector.
- Push the plug into the socket by the wires.

Note: Do not push the connectors together by the connector housing as this can push out the connector pins.

Removing an IPC Battery



- To remove the battery, grasp the battery connector plug and socket and pull out the battery plug.

Note: Do not pull the battery connector socket and plug apart by the wires as this will tear the wires out of the connectors.

Confirm IPC Operation after Battery Replacement

There are some checks that can be performed, using an EP3 and a magnet, to confirm the IPC is operational.

It is advisable to familiarise yourself with the “EP3 User Guide” in conjunction with this application note.

IMPORTANT: Before performing any field work ensure the EP3 time is set correctly

Step	Process	Note
1.	- Apply a magnet to the IPC (onto the magnet label) and confirm it goes into bootloader mode (LED continuous flash).	If the IPC LED doesn't flash then the unit must be returned to Water-Insight for service, assuming the new battery is charged and installed correctly.
2.	- Wait until the LED stops flashing	IPC has exited bootloader mode
3.	Send a Status Request from your EP3 - Main menu > IPC list > select the IPC of interest > View > select Status and Local checkboxes > Send	
4.	If the IPC time is incorrect or the schedule is wrong Site is using IMS - The time will be corrected next time the system synchronises the time - A schedule should be sent from IMS Site without IMS - Use EP3 to send a timeset and schedule	If the IPC does not respond refer to AN54 – IPC Troubleshooting Guide Using EP3
5.	All done - Make a note that the battery level is ok in the status report	

For more information email support@waterinsight.co.nz