

The Irrigation Point Controller (IPC) is a radio programmable sprinkler controller designed for use with fixed (solid) set irrigation systems. It provides scheduled or on-demand operation of a single solenoid controlled latching valve and can store multiple operating times. Communication interfaces allow monitoring and control via dedicated handheld radio equipment, or via a network internet gateway to mobile smartphones, tablets or desktop devices.

Features:

- Fully encapsulated electronics (completely water proof)
- Autonomous operation with or without a radio connection
- Real time clock/calendar for cyclic watering operations
- Maximum of 255 minutes per irrigation event and up to 16 operations per cycle
- Battery operation with solar power charging
- Field replaceable battery
- Mesh radio network or direct (point to Point) communications for configuration, monitoring and additional control
- Range extensibility and optional repeater operations
- Suitable for rolling downs or high-country operation and difficult terrain, ideal complement to pivot operation for corner filling
- Fully integrated with Water-Insight cloud-based Irrigation Management System (IMS)



Item	Parameter	Specification
General		
	Dimensions	Approx. 77 x117 x 65mm
	Weight	390gm
	Temperature	Operating: -10-70 degrees C Storage: -10-70 degrees C
	Humidity	100% condensing
	Ingress Protection	IP67
	Power	3.7 V, 1500mAh Li- Po Battery
Input/Output		
	Output	12 V, 4 ohm pulse actuated latching solenoid valve
Radio		
	Regulatory	ISM band, AS/NZS 4268
	Antenna	2.1 dBi stubb antenna
	Operating Frequency	915 mHz - 928 mHz
	Output Power	20 dBm (100mW)
	Receiver Sensitivity	-121 dBm
	Modulation	GFSK
Communications		
	Device Management	Local (on farm): via radio to EP3 handheld computer Web: using IMS
	IMS Interface	via Water-Insight INC internet gateway