

The Water-Insight INC orchestrates radio communications, via a mesh radio network, for up to 1000 IPC sprinkler controllers on a site. It performs essential functions such as automated watering schedule distribution and records the condition of each IPC. Using an industry standard Modbus interface for internet communications.

The INC is a key component of the Water-Insight cloud-based IMS Gateway. IMS provides remote online management, control and reporting of sprinkler operations.

Key Features

- Automated time synchronization to IPCs
- Irrigation schedule distribution to IPCs
- Local backup and storage for offline IPC device management
- Digital inputs and outputs (6 each) for pump signalling and control via IMS app
- Fault tolerant radio communications over difficult terrain



Item	Parameter	Specification
General		
	Dimensions	Approx. 170 x 120 x 30 mm including side flanges 4 x mounting holes to fit M3 fixture
	Weight	650g
	Temperature	Operating: 0-65°C Storage: 0-65°C
	Humidity	0-90% condensing
	Ingress	IP20 Water contact must be avoided
	Power	Input voltage: 12V DC +/- 15% Current: 0.25A Max.
Input/Output		
	Digital Inputs	6 x signal/gnd pairs, switched to ground Input Voltage: 4V max. Input Current: 4mA Gnd inputs are internally tied to power ground
	Digital Outputs	6 x isolated relay output pairs Output voltage: 32V max. Output current: 2A max.
Radio		
	Regulatory	ISM band, AS/NZS 4268
	Antenna Connector	SMA female - Suitable for 3dB or 6dBi fiberglass whip
	Operating Frequency	915 MHz – 928 MHz
	Output Power	18 dBm +/- 2dBm
	Receiver Sensitivity	-121 dBm
	Modulation	GFSK
Communications		
	IMS interface	ISB 2.00 Type B Modbus connection
Product specifications may be subject to change		

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