****

2

**Aquamonix RiC Module**

The Aquamonix RiC Module (Remote Irrigation Controller) is a reliable solar powered, wireless system and can be used as an extension to a Aquamonix Hybrid Controller or networked to the Aquamonix Micro Central Control System.

The Aquamonix RiC Module is a networked satellite module that uses solar power to operate DC Latching outputs, that can be used to operate valves, or relays to start/stop pumps and engines.

|  |  |  |
| --- | --- | --- |
| Standard Features | | |
| Communications  Radio Link | Latching Outputs  **8** | Pulse Inputs  **2** |
| Power Options | | |
| Mains/Genset | Solar/Battery | Solar Regulator  **✓**  Onboard |
| Standard Outputs | | |
| Valves | Master Valve | Pump/Engine |
| Standard Inputs | | |
| Water Meters | Rain Gauge | Soil Moisture |
| Maximum number of RiC units | | |
|  | Networked to Stand Alone Aquamonix Hybrid | **12**  per Controller |
|  | Networked to Aquamonix Micro Central Control | **120**  per Central |
| Mounting Options | | |
| Pole Mount  **IP66** | Panel Mount  **IP22** | Project Pack  **IP66** |

The Aquamonix RiC uses a spread spectrum, licence free radio bandwidth, providing a stable communications network. Each RiC can be configured as a Base, Repeater or Satellite unit allowing long distances to be covered and mulitple network clusters established.

Full programming and scheduling is a function of the base controller with the RiC serving as a wireless extension.

The RiC Can also be used as a wireless node to relay data back to the base controller via onboard serial ports.

The Aquamonix RiC Module is suitable for many applications and is typically used for,

* Municipal Park Irrigation
* Golf Course Irrigation
* Landscape Irrigation
* Vineyard Irrigation
* Traffic Islands
* Agricultural Irrigation
* Dust suppression Systems
* Pump Start
* Engine Control
* Tank Fill

Whatever your application there is a Aquamonix Control Solution to suit your requirments.

Consult the Aquamonix Product Guide for standard formats, special builds are available on request.