



AQUAMONIX

Measure. Monitor. Master.

RAINMAN HYBRID INTERNET CONTROLLER

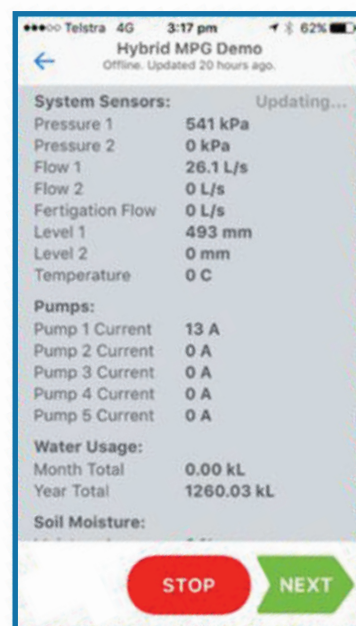
The RainMAN HYBRID Internet Controller combines powerful and proven technology making RainMAN controllers the first choice for professional irrigation managers for over twenty years. It's simple to use with web based remote management via our mobile app.



DESIGNED FOR AG

The RainMAN Hybrid Smart Irrigation Controller for Agriculture allows groups of valves to be programmed to operate together in shifts, and has pre-configured smart programs for the following:

- Looping
- Frost protection
- Heat protection
- Fertigation
- Filter flush
- Tank fill



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IRRIGATION
AUTOMATION



WATER
MANAGEMENT



REMOTE
MONITORING

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SMALL OR LARGE NETWORKS

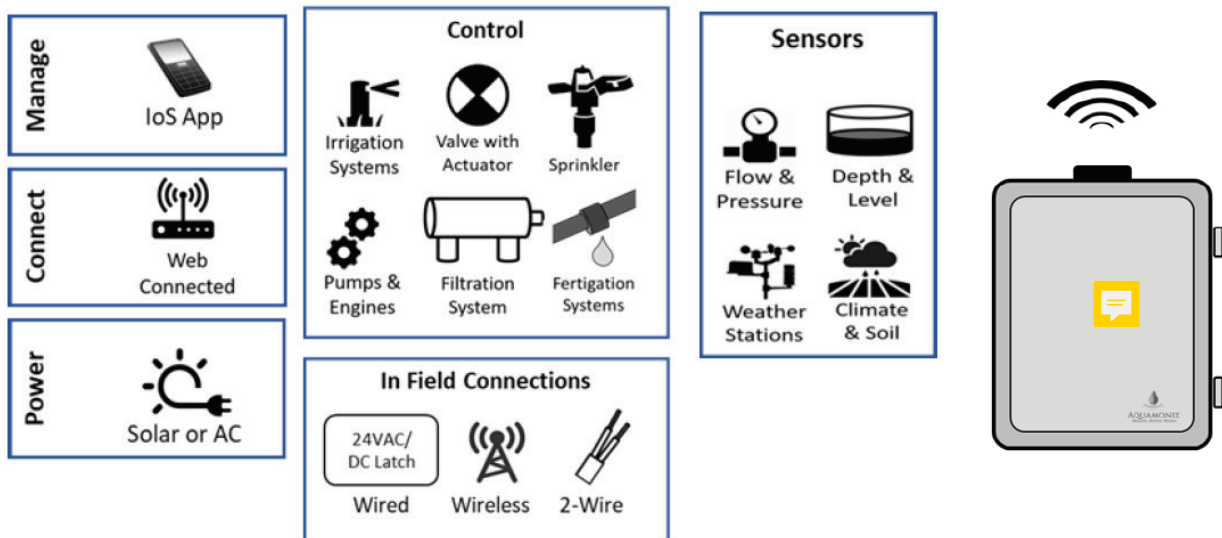
RainMAN Hybrid Smart Irrigation Controllers can operate as standalone units or can be networked across multiple farms with either smart phone access or full remote PC control.

VERSATILE AND EXPANDABLE

Able to connect to actuators and sensors using conventional wired systems, wireless networks or 2-wire decoders, the RainMAN Hybrid is one of the most versatile control systems on the market today.

RAINMAN HYBRID FEATURES

- Powerful agricultural controller
- Easy to use direct access keypad
- Large back-lit daylight readable screen
- Onboard cellular modem (4G)



ABOUT THE AQUAMONIX APP

- RainCLOUD remote management portal
- Start and stop irrigation stations, pumps, and programs
- Disable programs indefinitely or on a timer
- Scale programs to save water
- Control multiple devices at the same time
- Designed for android, iPhone and iPad

VERSIONS

12VDC Versions

- 12 and 28 Station models
- Volt free DC latching outputs
- Master valve/pump starts

24VAC Versions

- 15 and 46 station models
- Up to 6 valves per station
- Master valve/pump starts
- Current sensing feature

Two Wire Version

- 94 station model
- Suits Tonick Landscape Decoders
- Decoders with inbuilt lightning protection
- 12 month lightning warranty on decoder
- Decoders are re-addressable
- Up to 6 decoders per pathway
- No need for additional grounding on 2-wire
- MV/Pump starts on controller board

Wireless Versions

- 32 stations
- 1 or 2 valves per wireless node

Enclosure

- Tough UV stable polycarbonate, IP66 rated
- Clear front window
- Lockable
- Other enclosure available formats on request

RAINMAN HYBRID CONFIGURATION

Controller model	XG.15.C	XG.46.C	XG30.C	XG.62.C	XG.94.C	XG.2W.C	XG.0W.C	XG.12.C	XG.28.C
Firmware version	Grouping stations programming								
HMI variant	RainMAN HYBRID Keypad and Screen								
Control outputs									
Output protocol	24VAC					Decoder	Wireless	DC latching	
Valve Stations	15	46	30	62	94	96	32	12	28
Mater Valve	1								
Pump Start	Configurable for up to 5 Pump Starts (affects total stations available)								
Control Inputs									
Rain Switch	✓	✓	×	×	×	✓	✓	✓	✓
Pause Switch	✓	✓	×	×	×	✓	✓	✓	✓
Remote start switch	✓	✓	×	×	×	✓	✓	✓	✓
Fixed sensor inputs									
Pulse flow meter	2 in total can be either format		×	×	×	2 in total can be either format			
4-20mA Flow meter			×	×	×				
Pressure transducer	4-20mA Sensor		×	×	×	4-20mA Sensor			
Level transducer	4-20mA Sensor		×	×	×	4-20mA Sensor			
High pressure switch	✓	✓	×	×	×	✓	✓	✓	✓
Low pressure switch	✓	✓	×	×	×	✓	✓	✓	✓
Fert flow	✓	✓	×	×	×	✓	✓	✓	✓
Soil moisture	RS485 Sensor		×	×	×	RS485 Sensor			
Phase failure	✓	✓	×	×	×	✓	✓	✓	✓
Aux fault switch	✓	✓	×	×	×	✓	✓	✓	✓
Additional input devices									
Weather station	Via Serial port								
Communications									
Onboard Next G Modem, NO SIM									
Enclosure Dimensions									
358mm high x 285mm wide x 177mm deep with mounts fitted.									

Design Notes

- RainMAN HYBRID will only work with the RainMAN X decoders and are not compatible with the standard RainMAN decoder systems
- To complete the lightning protection system for the 2-wire controller, an independent grounding point located at the controller and a Line Terminating Unit (LTU) is required at each line end
- For wireless systems a base antenna kit is required