

MULTI POINT CONTROLLER



WIRELESS REMOTE CONTROL & MONITORING SOLUTION FOR UP TO EIGHT LOCATIONS

QTech's Multi Point Controller (MPC) is the central hub of a wireless communications network that provides monitoring and control of up to eight remote Wireless Point to Point (WP2P) slave modules.

The simple, yet powerful Workbench configuration utility enables the user to program the MPC with a sophisticated Input/Output mapping grid that allows any of the digital inputs in the system to be "mapped" to any of the digital outputs in the system. This includes the ability to control multiple digital outputs across the system from a single input in any part of the system.

The perfect choice for irrigation systems, sprinkler systems and many agricultural applications.

This innovative and cost effective system allows you to:

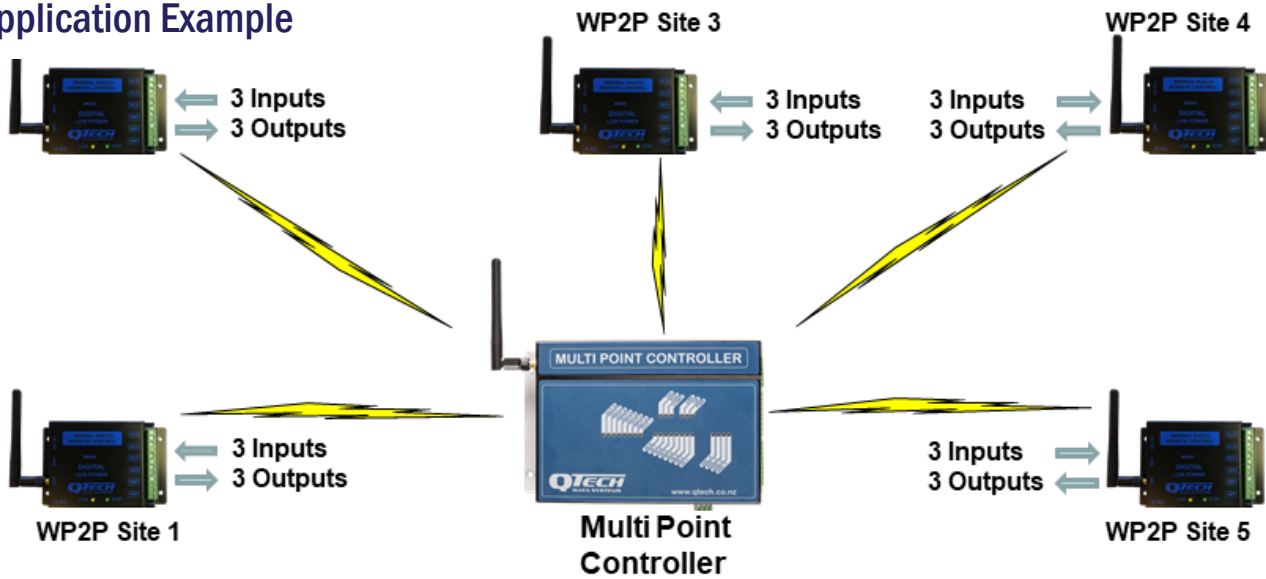
- Switch up to 24 pumps or irrigators on and off remotely
- Expand and/or replace existing cable based control systems with quality wireless technology
- Start and stop multiple pumps from a central location
- Monitor electrical faults over many locations to a central point
- Confirm if your irrigator is switched on and pumping water
- Operate multiple devices spread around your site from a single button press

Key Features

- Low power consumption, ideal for solar and battery installations
- Line of sight operational ranges of up to 350m with the supplied antenna up to 3km with optional whip antennas
- State of the art digital radio using 900MHz Digital Modulation technology
- Simple configuration using "Workbench" software
- Fault alarm indication when any WP2P module is not communicating
- Competitive pricing



Application Example



Specifications

- Frequency 917MHz to 927MHz (in ISM Band)
- RF Output Controller configured to suit antenna
- Digital Modulation technology
- Antenna connector SMA
- Dimensions L 186 x W 120 x D 40 mm
- Steel and powder coated enclosure
- Power connector 3 way screw terminal
- Supply Voltage Controller 12 - 24VDC (max 30VDC)
- Short circuit and reverse polarity protection
- Current Consumption 80mA nominal @12VDC

Mechanical Mounting

- 4 x M4 fixing holes at 177 x 84mm centres

Certification

- AS/NZS 4268:2008

Input & Outputs

Multi Point Controller

- 8x Switched Input (normally open, close to activate)
- 8x Outputs contact (solid state type)
- Total Max current for switched outputs 2A @32VDC
- Total Max current per switched output 0.5A @32VDC

Performance

- Indoor/Urban line of sight up to 350m with supplied 2.1dB stub dipole antenna
- Outdoor line of sight up to 3km with optional antenna
- Data Rate 9600bps
- Receiver sensitivity -110dBm

Note: Distances are indicative and terrain dependent

Radio Network Options

- Up to 8x WP2P Modules per MPC system
- Sequential polling solution

Ordering Details

Product code: PD8620 - Multi Point Controller

Product code: PD8810 - WP2P Slave Module (individual)

Note: When ordering WP2P Slave modules separately, please supply the Multi Point Controller Serial Number

Please refer to our website for further product information and optional accessories

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