

DIGITAL WIRELESS POINT TO POINT SYSTEM



EFFECTIVE, RELIABLE, LOW COST WIRELESS REMOTE CONTROL SOLUTIONS

The WP2P system is a wireless alternative to trenching a six core cable.

The system comprises two WP2P modules, each with three switched inputs and three relay outputs. When the units are located within line of sight from each other, they allow you to remotely control electrical devices connected at either end of the system. No configuration or programming required, simply connect the power and go!

- Switch a pump, irrigator or solenoid valve on and off remotely
- Confirm if your irrigator is switched on and pumping water
- Open an electric gate and then turn on a light
- Send pulses from a flow meter across a field, without installing expensive cables
- Replace an existing six core cable with wireless technology

Key Features

- Low power consumption, ideal for solar or battery installations
- Able to be used in Point-to-Point or Point-to-multipoint (star) configuration
- USB interface for on-site firmware upgrades
- Isolated I/O interface section for improved low power and power saving operation
- Configurable failsafe output hold feature for communications failure
- No programming, simple configuration of options and easy mounting and installation
- Line of sight operational range up to 350m with supplied antennas, 2km with optional whip antennas, or 4km with optional Yagi antennas
- 900MHz Digital Modulation radios for added security
- "Link status" LED provides confirmation that the modules are communicating
- Very competitive pricing
- Easily add a QTech Wireless Repeater to extend the range of the system
- Where a direct power connection is not available, the QTech RSS01 Remote Solar Station can be used for battery backed solar power

Note: For these radio systems to work they must have clear "line of sight" between the modules. Depending on the terrain and the antennas being used, the WP2P system can transmit up to four kilometres. Where there are obstacles, hilly terrain or to increase the range, QTech's WP2P Repeater module can be used to provide a reliable communications path.

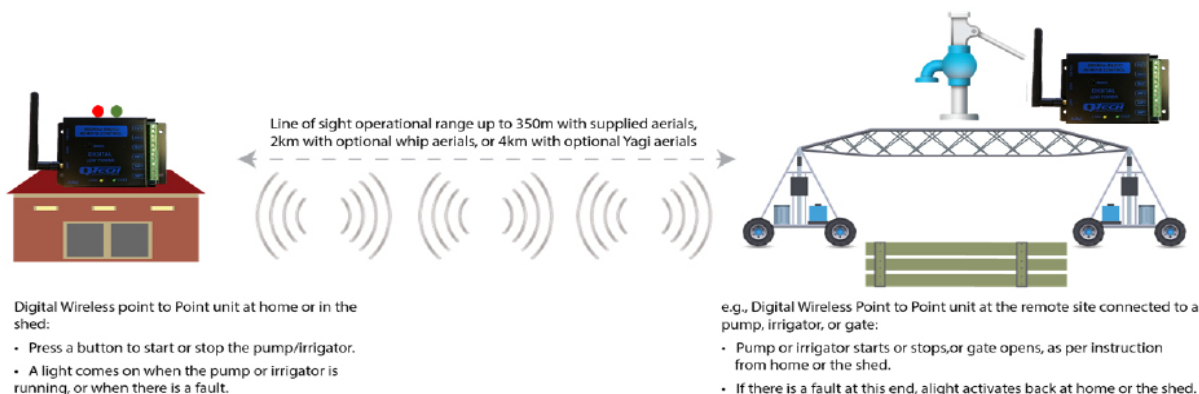
QTech Data Systems
12 Midas Place Middleton
Christchurch 8024

Phone +64 3 366 3713
www.qtech.co.nz
sales@qtech.co.nz

QTECH
DATA SYSTEMS



Application Examples



Specifications

- Frequency 917MHz to 927MHz (in ISM Band)
- RF output 100mW
- Digital modulation technology
- Antenna connector SMA (Female)
- Dimensions L 112 x W 76 x D 26mm
- Steel and powder coated enclosure
- Power connector 2.1mm DC jack, centre positive
- Supply voltage 6 - 24VDC
- Short circuit and reverse polarity protection
- Current consumption 6mA typical
- Weight 350g per module

Performance

- Indoor/urban line of sight up to 350m with supplied 2.1dB stub dipole antenna
 - Outdoor line of sight up to ~2km with optional 3db whip antenna
 - Outdoor line of sight up to ~4km with optional 6dBi Yagi antenna
 - Receiver sensitivity -110dBm
- Note: Distances are indicative and terrain dependent*

Radio Network Options

- 20 channels
- Radio Code: For security a six digit code is assigned to all devices. All modules in a system require the same code to operate

Input & Outputs

- 3x Switched input (normally open, close to activate)
- 3x Volt free relay contact (normally open)
- Maximum total switching current:
2 Amps @ 32VDC

Mechanical Mounting

- 4 x M4 fixing holes at 103 x 50mm centres

Ordering Details

Product Code: PD8810E-WP2P - System supplied as a matching pair

Product Code: PD8810E - Slave Module for star configuration or module replacement

Note: The radio code must be stated when purchasing for WP2P module replacement

Product Code: PD8811E - Digital 900MHz Repeater

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

QTech Data Systems
12 Midas Place Middleton
Christchurch 8024

Phone +64 3 366 3713
www.qtech.co.nz
sales@qtech.co.nz

QTECH
DATA SYSTEMS