GenClassifieds.com

Irrigation Pump Remote Control (480VAC 3

Location **Wyoming**
https://www.genclassifieds.com/x-784567-z

QR Code Link to This Post Tired of driving out to turn the pump on and off to change the water, un-hook ends, make repairs, and fix bad plugs? Worried about broken pipes causing floods, power loss in the middle of the night, or pipes that have come apart?

We were - so I constructed an RF (Radio Freq) remote control to turn on and off our irrigation pumps as well as monitor and notify us of any issues. The setup connects to most standard 3-Phase 480VAC pump panels. The purchase doesn't include the transducers required to monitor pressure and ditch water level; those can be purchased directly from the suppliers and easily wired to the Controller.

Features of this item
---
* A solid rural 2-Mile range (XBee RF claims up-to 28-mile range)
* No cellular, FCC licensing or other requirements are needed
* A single Hand-Remote can control multiple irrigation pumps
* Multiple Hand-Remotes can control the same irrigation pump
* Uses the Pump Panels "AUTO" selection; doesn't disturb manual operation
* Implements the "Stay-Off" after power loss; req. by power companies
* Easily [expandable] to offer Pressure and Water-Level monitoring
* Built using mass-produced dev-boards that can be easily purchased

---
Included in the purchase
---
* (1) Hand-Remote Unit
* (1) Pump-Controller Unit with cable and plug
* (1) EBL 9V 1-Ion battery charger
* (2) EBL 9V 600mAh Li-ion batteries

- 1- Installation Kit, including]
- A 480VAC 3-Phase to 24Vdc power supply on a DIN Rail
- A 480VAC or Higher Solid State Relay on a DIN Rail
- A Pump Panel Exit plug for attaching the Pump-Controller Unit
- Drill Bit and Thread Tap for #8-32

https://www.genclassifieds.com/x-784567-z Irrigation Pump Remote Control (480VAC 3

- 2x #8-32 Machine screws
- Automatic center punch

An Order page exists at
https://www.etsy.com/listing/525674784/irrigation-pump-remote-control-480vac-3

Installation Process Overview

[Tools Required (Not Supplied)]
- Cordless Drill
- Small Phillips Screwdriver
- Small Flat-Head Screwdriver
- Wire Cutter & Strippers

[Wiring]
- 4x Wires from L1, L2, L3, GND to Power Supply
- 2x Wires from Solid State Relay to Selector & Start button
- 3x Wires of the panel 'Exit Plug' to SSR Input & Power Supply

The Units will be ready to use upon the completion of installation shortly described above. Firmware will already be loaded on purchased units as well as a charged battery already in the Hand-Remote. The firmware on both units can be customize to your particular needs using a computer and USB connection.

An Open Source Project

A fully detailed user manual with installation, building, and modifying instructions can be viewed at:
https://tgit23.github.io/AgIrrigationRemoteControl/