

Operators manual

Setting up device:

1. Connect device to 110v ac **GFCI** outlet power supply.
2. Mount device securely near reservoir whereas water level sensor can be placed at LOW water mark.
3. Ensure that Ph sensor, TDS sensor and Temperature sensor can be placed in reservoir water circulation line.
4. Plug relays into 110 AC **GFCI** outlets.
5. Plug your circulation pump or pump used for irrigation into **Relay A** outlet.
6. Plug the supplied 110V to 220V convertor into **Relay B** and Valve controller into that convertor.
7. Mount valve controller securely where it may be connected to a garden hose.
8. Connect garden hose water supply to valve controller.
9. Connect valve controller outlet to a second garden hose that refills the reservoir.
10. Place temperature sensor into reservoir.
11. **Place water level sensor on outside of reservoir at low water mark.**
12. PH sensor can be submerged in reservoir or connected to circulation line for maximum accuracy.
13. Electrical conductivity sensor for TDS can be placed in reservoir or circulation line for maximum accuracy.
14. With a WIFI enabled device, connect to access point and either set up WIFI or exit configurator.

Configuring WIFI:

To use controls you must configure WIFI, as controls are accessible through app available on smartphone and computer

1. Connect power supply to device, if there was a saved WIFI configuration the device will try to connect to this.
2. Device will automatically will automatically become hotspot if there was no saved Configuration or if unsuccessful.
3. Connect to access point with WIFI enabled device.
4. Your Web browser will automatically open if not open your web browser and enter IP "192.168.0.4" into URL.
5. Once WIFI configurator web server is opened device will search for nearby WIFI
6. Select your WIFI connection and enter credentials then Save.
7. Device will connect and begin running program to take readings from sensors

Using APP:

1. Download Blynk App on your device of choice
2. Sign in with credentials provided via email after Purchase
3. Select device from Home page