

VOLUME-BASED IRRIGATION CONTROLLER

This variant of FlyBird product basically aims at irrigating crops based on some prefixed quantity of water. Exact quantity of water for plants / crops is fixed and the same is programmed in controller.

Advantages:

- This helps farmers to utilise water resource efficiently
- Few crops are sensitive to higher amount of water (Eg. Grapevine) which will affect the quality of end produce. Lower amount of irrigation too will stress the crop. In such cases volume-based controller will be a handy solution.



MOBILE APP & WEB APP CONTROLLER

This is a high-end product from FlyBird aimed at next level farming and corporate firms engaged in farming, wherein Irrigation and Fertigation will be controlled through mobiles, using GSM technology. All irrigation and fertigation data will be available to customers in graphical representation.

Advantages:

- Remote controlling and monitoring Irrigation / Fertigation / Fogging / Misting
- History of irrigation in a graphical display is seen. Data analytics of past irrigation can be done and precise planning for the future can be done.



WIRELESS



WEB



CLOUD

PARTNERS



MEDIA COVERAGE



CLIENTELE



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Smart Irrigation
Controller

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ABOUT FLYBIRD

FlyBird Farm Innovations Private Limited is a social impact startup in agriculture sector, founded in 2013. Headquartered at Bangalore, FlyBird has developed a series of innovative products, to elevate the standards in agro irrigation. It mainly aims at integrating affordable technology for farmers that helps improve the crop yield/productivity, alongside saving farm resources like Water, Power, Time (labor) and Money with an orientation to conserve natural resources.

AGRO CHALLENGES



- Crop Yield / Production Going Down
- Scarcity of Water
- Shortage of Labor
- More Weeds
- Erratic Power Supply
- Irrigation / Fertigation at Midnight

We have the solution for all such irrigation challenges. We present to you SIRI, a Smart Irrigation Controller and Automation System. SIRI is an automated Irrigation and Fertigation System, with precision. It is programmed to regulate Water and Fertilizers based on Soil Moisture, Temperature, Humidity or Rain. It will prevent the under & over irrigation and fertigation to crops and plants.



PRODUCT FEATURES

- Upto 16 Gate Valves Control
- Master / Pump & Filter Controls
- Irrigation Type: Time, Volume or Sensor based
- Water and Fertilizer meters interface options
- Temperature / Humidity / Soil Moisture / Soil Temperature Rain Sensors interfaces
- Automatic & Manual Valves Controls
- Automatic Program resumption after Power Interruptions
- Greenhouse Automation: Heater, Cooler/Fan, Climate control, Irrigation and Fertigation
- Easily adaptable & installable with existing Drip / Sprinklers / Greenhouse or Open fields
- Configurable modules based on Customer Needs & Usage
- 1 Year warranty

SIRI IS READY FOR...

- Drip/Sprinklers
- Misting/Fogging
- Fertigation
- Greenhouses
- Open Fields
- Hydroponics
- Poultry
- Nurseries/Gardens

SMART IRRIGATION SYSTEM

SENSOR-BASED IRRIGATION CONTROLLER

FlyBird has developed sensor-based irrigation controller, which helps farmers to control irrigation and fertigation automatically and get the best results in crop production.

Features:

- Automatic irrigation to crop, based on soil moisture & soil temperature, so that right quantity of water is supplied to the crop.
- In protected as-well-as open cultivation the temperature & relative humidity is measured and crop irrigation is done based on those readings.
- This also takes the help of rain sensors to postpone or reschedule the irrigation to crops, if it rains.
- Automatic Fertigation upto 2 tanks

TEMPERATURE



HUMIDITY



RAIN DETECTION



SOIL MOISTURE



TIMER-BASED IRRIGATION CONTROLLER

It is a simpler model of irrigation controller wherein irrigation is done to crops for a fixed period of time depending on farmer requirements. In this case FlyBird SIRI product will intend to control irrigation requirements of farm based on timer mode.

Advantages:

- This makes farmers to ease on repeat and routine irrigation.
- Few crops require frequent and repeated irrigation for a fixed period. This system will help farmers to achieve such objectives.

