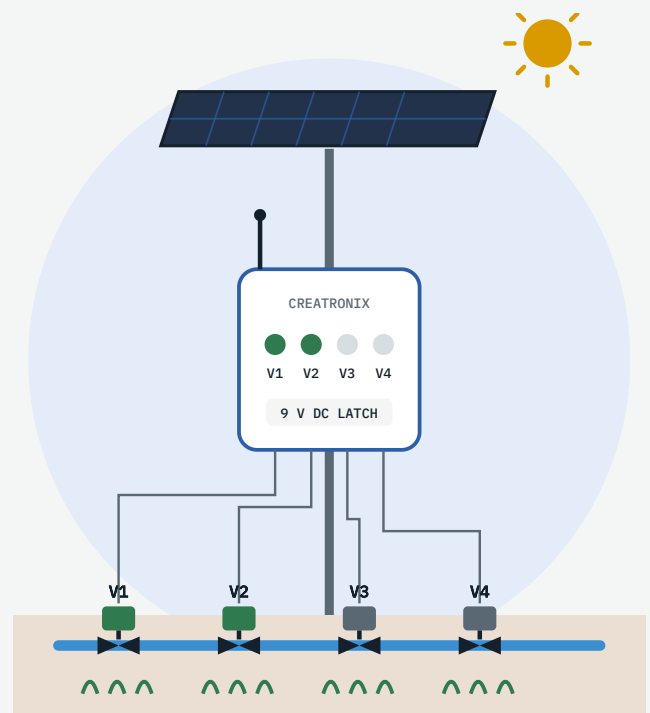




Irrigation Valve Controller with Soil & Weather Sensors

The solar-powered four-valve controller, paired with soil and weather sensors. Every reading travels wirelessly to the Pump Controller and on to the Creatronix cloud, so you can plan irrigation from what is happening in the root zone and the sky.

- Fully solar powered, panel included
- Controls four 9 V DC latching solenoid valves
- Two-way wireless link to the Pump Controller
- Soil and weather sensors integrated

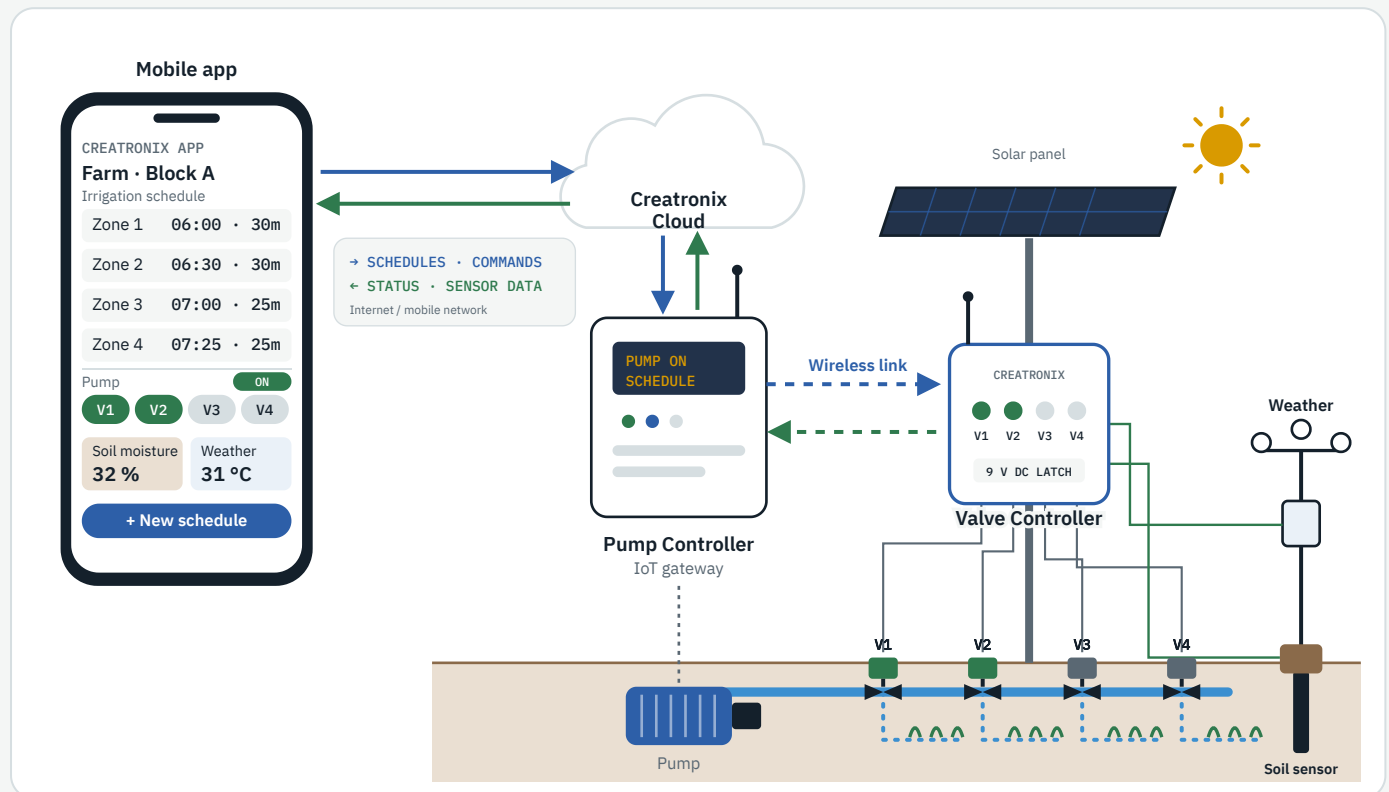


VALVE OUTPUTS 4 independently controlled	VALVE TYPE 9 V DC latching solenoid	POWER Solar panel included	CONNECTIVITY Wireless to Pump Controller	SENSORS Soil + Weather integrated
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From the app to every valve, and back

The Valve Controller has no internet connection of its own. The Pump Controller is the IoT gateway: it carries your schedules and commands out to the field and brings status and sensor readings back to the Creatronix cloud and app.



— Schedules and commands, app to field — Status and sensor data, field to app

App screen is illustrative



Create irrigation schedules

Set start times and run durations for each valve zone from the app.



Manage the pump

Start and stop the pump through the Pump Controller and see its status.



Control four valves

Open and close each 9 V DC latching valve on its own or by schedule.



Gather sensor data

Soil and weather readings arrive in the app alongside valve status.

APP ⇌ CLOUD

Mobile network

Schedules and commands go up; status and readings come back to the screen.

CLOUD ⇌ PUMP CONTROLLER

Internet gateway

The Pump Controller receives instructions and pushes field data to the Creatronix cloud.

PUMP ⇌ VALVE CONTROLLER

Wireless link

Valve commands go out to the field; valve status and sensor data return.



Built for drip irrigation in the field



Fully solar powered

Ships with its own solar panel. No mains cable to lay to the far end of the field.



Four valve zones

Drives four 9 V DC latching solenoid valves, each controlled independently.



Wireless to the pump

Two-way wireless link with the Pump Controller for commands and data.



Data in the cloud

The Pump Controller pushes valve and sensor data to the Creatronix cloud.



Run it from your phone

Farmers and farm owners view the field and manage irrigation in the mobile app.



Sensors integrated

Soil and weather sensors connect directly to the controller.

What the sensors add



Soil sensors

Measure conditions where the roots are and report them to the app through the Valve Controller.



Weather sensors

Record local field weather next to the crop, not at a distant station.



Better schedules

See soil and weather readings beside your schedules so you can adjust run times with real field data.



Open to more sensors

Other field sensors can be integrated and sent over the same wireless link.

How one cycle runs

01

Plan

Create a schedule in the app for the pump and each valve zone.

02

Send

The cloud passes it to the Pump Controller, which relays it wirelessly to the Valve Controller.

03

Irrigate

The pump runs and the controller switches its four latching valves in turn.

04

Report

Valve status and soil and weather readings flow back to the cloud and the app.

Plan a drip system with Creatronix

Write to us for pricing, a field visit or a pilot installation.

info@creatronix.in