



Precision irrigation system based on accumulated solar radiation

Studies have shown that the amount of solar energy received by plants is highly correlated with the amount of evapotranspiration. Aeon Matrix's brand new Yardian Max multifunctional smart controller — in combination with Apogee's solar sensor (pyranometer) and the unique "Conditional Program" — provides a solution for precise irrigation based on accumulated solar radiation. An energy threshold (the amount of light accumulation desirable between irrigations) and a watering duration should be specified for each zone so that your irrigation system automatically adapts to any changes in weather and achieves automated irrigation. Users can easily specify these parameters based on the local sunlight condition, irrigation systems, and crop-growing stage through a web browser or smartphone app. Our controller and solar sensor both come with 4-year warranties. The system operates locally without relying on an internet connection. Data is encrypted and saved locally. Remote control and monitoring is possible when an internet network connection is available. With this smart and precision irrigation system, water usage, labor cost, and potential crop damage due to overwatering or insufficient irrigation are greatly reduced.



Multifunctional Smart Controller



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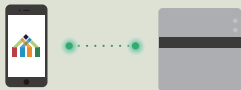
Aeon Matrix Multifunctional Smart Controller

Product Benefits

- High-quality and reliable Apogee pyranometer made in the US
- Easy installation with 24VAC output for solenoid valves
- On-device buttons for "instant watering control" to run a zone for a specified duration, and "zone scan" to show valve connection and status
- Max output 1A and 2A, with the ability to activate multiple solenoid valves simultaneously
- Outdoor enclosure included. 4-year limited warranty



The **stand-alone version** can only connect to Wi-Fi on the phone for settings



The **cloud version** can connect via Wi-Fi, Ethernet cable, or 4G router, and allows for remote control in the app anytime and anywhere

