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No Worries About Your Watering Anymore

Our Smart Antenna will control and monitor your sprinkles cellularly!

Control and monitor your irrigation using your cellular device, according to the moisture rate of the soil and to the local weather forecast!

What is The Smart Antenna?

The Smart Antenna is a programmable cloud -based device, which is connectable to any electrical system as a control or monitor device. It has digital input channel, digital output channel, and a Modbus/Can bus channel.

Water lost in irrigation:

Irrigation systems waste huge amounts of water through evaporation and over-watering. Sprinklers lose 30-50% of water in evaporating and other factors.

How Our Smart Antenna Helps Reducing Wasted Water?

The Smart Antenna consists basically of an antenna with a Cat 5 cable, which has four colored twisted pairs of wires. Each pair of these four has its own function. Input voltage, digital input channel, digital output channel and a Modbus/Can Bus channel.

The antenna controls and monitors sprinklers according to the moisture rate of the soil, the time of the day and the local weather forecast, which reduce water evaporating and over watering. It gives the user the ability to check their irrigation system any time and place using their cellular device.

By connecting the antenna to a moisture sensors in the soil, It sends data cellularly to the nearest cellular tower, which transmits data through VPN to the control center, and it sends the data to the user's smart device.

Conclusion:

The Smart Antenna is a cellular control and monitor device, that can be installed in any electrical system including Modbus and Can Bus – based systems. The smart irrigation system is one of the important applications on the smart antenna in agriculture field.

The Smart Antenna has a wide range of applications that are connected to agriculture, it can be used as a monitoring device in different systems and for different machines such as agricultural and farm vehicles, which provides safety for farmers and workers with a reasonable cost.