

ABSTRACT

With the current climate order which are not certain from day to day because of the quasi periodic events such as El Nino Phenomenon. Where the climate change will cause long term draught and also will cause damage on the agriculture industry. In agriculture field, the application of proper approach of irrigation is crucial. Most of the irrigation system is very effective and also economical. In an accustomed irrigation system today, farmer or gardener has to keep an eye on the irrigation timetable and also temperature and humidity of the soil depend on crops that they plant. In a modern era such as now, an effective irrigation system need to be build. An automated garden watering system is used to decrease the burden of farmer or gardener.

Most of the plant and also flowers will die whenever the soil becomes dry. So a system will be needed to accommodate these issues, regardless it's a large or small garden. A good system is needed for home garden, large and small scale of agriculture farms.

Basically, this automated garden watering system is design to ensure the plants that being cultivated are well preserved and well kept. This system are controlling by using the timer which integrated in the system and also sensor. With the use of low cost sensors and also DIY products, this can be bought even by anyone either it's for a huge garden or small garden. Hence, the automated garden watering system is one of the best choices available to provide a appropriate supply of water at the right times to the plants and to inform the user whenever the water level on the water tank are lower from the designated level.