

To optimise your growing conditions, supply a complete range of weather stations to integrate with our irrigation and environmental control . weather stations can be customised to include the sensors you require. The most common configurations for the weather stations are shown below.

Our weather stations will work with all irrigation and environmental controllers. Data from the weather stations can be logged using Heron's Ground Control Software.

For irrigation applications, the full weather station provides the most accurate calculation of evapo-transpiration (ET) and hence the most accurate control of your irrigation schedule.



The resultant ET value can be used to control the individual programs you select.

The complete weather station for irrigation applications includes the following sensors :

- Rain Gauge
- Temperature
- Light
- Humidity
- Wind speed
- Wind direction.

The individual sensors of the weather station can also operate independently of each other to control the irrigation. For example:

- The light and temperature sensors can initiate an irrigation sequence once a threshold has been reached.
- The light sensor can control irrigation cycling by integrating the light power over time to give an energy level. Up to 8 energy level thresholds can be set to control 8 different irrigation programs.
- The wind sensor can disable irrigation based on direction and speed.

The simplest weather station for ET calculation includes a rain gauge and a temperature sensor. This provides a simple inexpensive way to improve the efficiency of your irrigation.

As with the full weather station, programs can be selectively included or excluded from being controlled by the ET values.

The weather station can prevent irrigation for many days if there has been a period of high rain fall. Irrigation will be halted until the accumulated ET value over many days is equal to the rain fall count.



