

# ELECTRONIC & TECHNICAL SERVICES LTD.

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## **Key points about the New Evapo-irrigation interface from ETS**

### *What's new?*

The Evapo-irrigation interface (Eii) is an exciting addition to the ETS range of irrigation control equipment. It offers growers automatic adjustment of irrigation frequency according to weather conditions. Fitting an Eii to a simple irrigation timer transforms it into an intelligent controller that will cut back on water wastage, improve crop quality and ultimately boost the bottom line. It is compatible with any existing timer/controller that can accept a remote start signal. The key feature of the Eii is its ability to integrate the signal from an Evaposensor. It then triggers irrigation when accumulated evaporation reaches a user adjustable target value.

### *What is the Evaposensor?*

The multi award winning Evaposensor measures evaporative demand on the crop (also known as potential evapotranspiration, ET). This elegantly simple and reliable device replaces the costly weather station and computer used to estimate ET in high-end irrigation control systems. Just like plant leaves, the Evaposensor responds to humidity, temperature, radiation and wind speed and is easily mounted where it will be exposed to the same environment as the crop.

### *How many sensors do I need?*

A single Evaposensor could be used to control irrigation on a whole nursery. Equally, the cost is low enough to make separate sensors for different areas a cost-effective option.

### *Other options from ETS?*

Other equipment from ETS that utilises the Evaposensor includes fully fledged multistation irrigation controllers and the ECI, a flexible multipurpose interface unit for misting and irrigation.

*How well does it work in practice?*

Bill Godfrey, one of the first growers to invest in evapo-irrigation technology, reports "This system is brilliant; the 'guesstimation' in irrigation is completely done away with and it has made an enormous improvement in our use of water. Save water, time, effort and money, cut out guess work and over watering. Matching irrigation to the water lost by the plant has been a goal for us for over 20 years; now at last we can do it!"

*In summary, the benefits of an evapo-irrigation control systems are:*

- Evaposensor replaces expensive weather station
- Responds to radiation, humidity, temperature and wind
- Simple to use control interface
- Links to existing controllers
- Saves water, improves quality, increases profit

## The latest addition to the ETS range, the EII EvapoIrrigator



