

Imagine all the plants controlling their own valves...

leafsen
irrigation systems ltd.



innovative
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that assesses leaf turgor.

REVOLUTIONIZING IRRIGATION

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Leaf-Sen Irrigation Systems, Ltd. has developed an **innovative irrigation controller**, triggered by a unique leaf-thickness-sensor that accurately and continuously assesses leaf turgor. This information is monitored and processed by the irrigation controller, and translated into an irrigation regime that **applies water as a real time reaction to incipient water stress**.

A significant difference in the Leaf-Sen product, as opposed to other irrigation control systems, which at best utilize sensors that are able to sense variables external to the plant, is the use of the leaf thickness sensor. External indicators provide only delayed, indirect estimates of plant water status. Using **real time information** from the plant ensures a rapid response to incipient stress.

The Control Module is designed to connect to existing standard irrigation controllers, and impose upon them the Leaf-Sen irrigation regime.



Features:

- Up to 40% savings in water & fertilizer
- A tool for regulating parameters of crop quality
- Increases yields of up to 30%
- Completely automatic, no need for periodic reprogramming
- Lowest cost efficiency
- Modular configuration suited to customer needs
- Capable of triggering in-place controllers
- No soil and water sources contamination
- Easy programming
- Alarm system
- Up to 4 Leaf Sensors / Sections
- Up to 7 additional accessory sensors
- Irrigate by Time or Volume
- PC communication