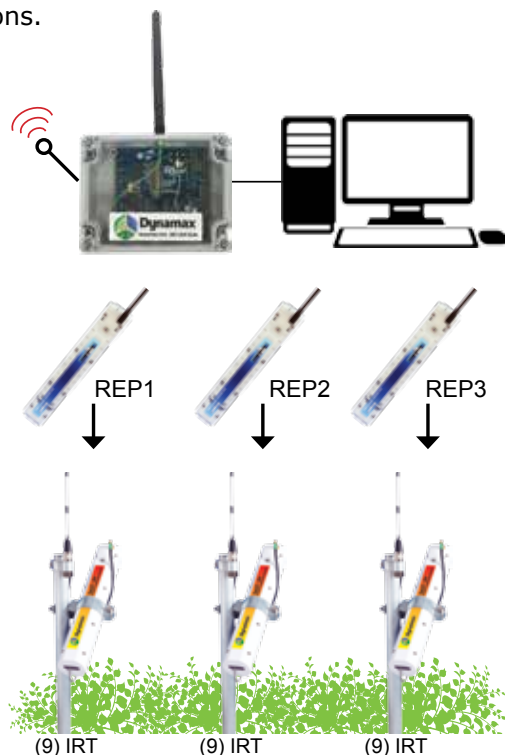# IRT
Coordinator Network

Dynamax

The new IRT wireless infrared temperature system is the latest development in IR leaf temperature sensing for use in irrigation scheduling and plant stress detection. This new system allows for IRT nodes to be distributed throughout a field, and data collected with a single modem. Plant stress models like CWSI or iDANS are then used to determine if, and when your crops need irrigation. Flags are used when irrigation is required.

Dynamax IRT sensors for IR leaf temperature are available with wireless or analog outputs. The sensor reads leaf temperature ±0.5 C, and has a Field of View of 20 degrees. The sensor itself is included in a weatherproof IRT node, with mounts and a rechargeable battery.

The Dynamax IRT Coordinator Module can handle up to (10) wireless IRT sensors directly, or add routers to expand the network and include up to (27) IRT sensors, which can be further away. Usually, the Coordinator is placed near a computer and a cable and antenna are mounted outside the window.

IRT Watcher software, after installation on your PC, has IRT commands and network control. You can control the system, collect data, and save files which can then be imported into spreadsheets for Crop Water Stress calculations.

REP1   REP2   REP3

(9) IRT   (9) IRT   (9) IRT

Features

- Each SapIP-IRT sensor is self-contained

- Weatherproof Enclosures, 2.5" X 2.5" X 14" long

- ± 0.5° C accuracy over wide range of ambient (0° - 60° C)

- Up to (27) IRT sensors with (3) repeaters and one coordinator

- May be Mounted Stationary or on Moving Platforms

- IRT has 20 Degrees Field of View

- Excellent where continuous data is required

- No Calibration Required

- Secure Data Collection, Password Protected

- Rechargeable batteries included