

IRT SALH Stress Accumulator Logger

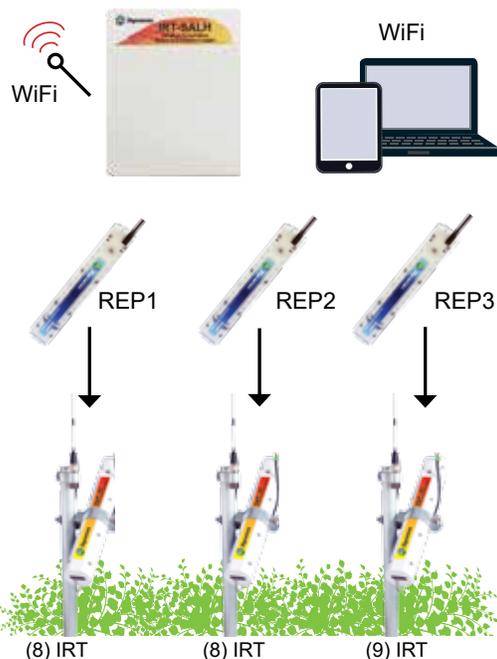


The Dynamax IRT SALH data logger system has a sophisticated data logger in a weatherproof enclosure which can be linked to repeaters to take data from up to (25) IRT sensors. Up to one million records are stored in memory and data can be downloaded using WiFi from up to 50-100 ft away. Data can also be set up with web access.

Software included gives you 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. This system is excellent for use when fields to be monitored are a long distance away.

The 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 data logger. Plant stress models like CWSI or iDANS are then used to determine if, and when your crops need irrigation. Colored charts indicate 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.



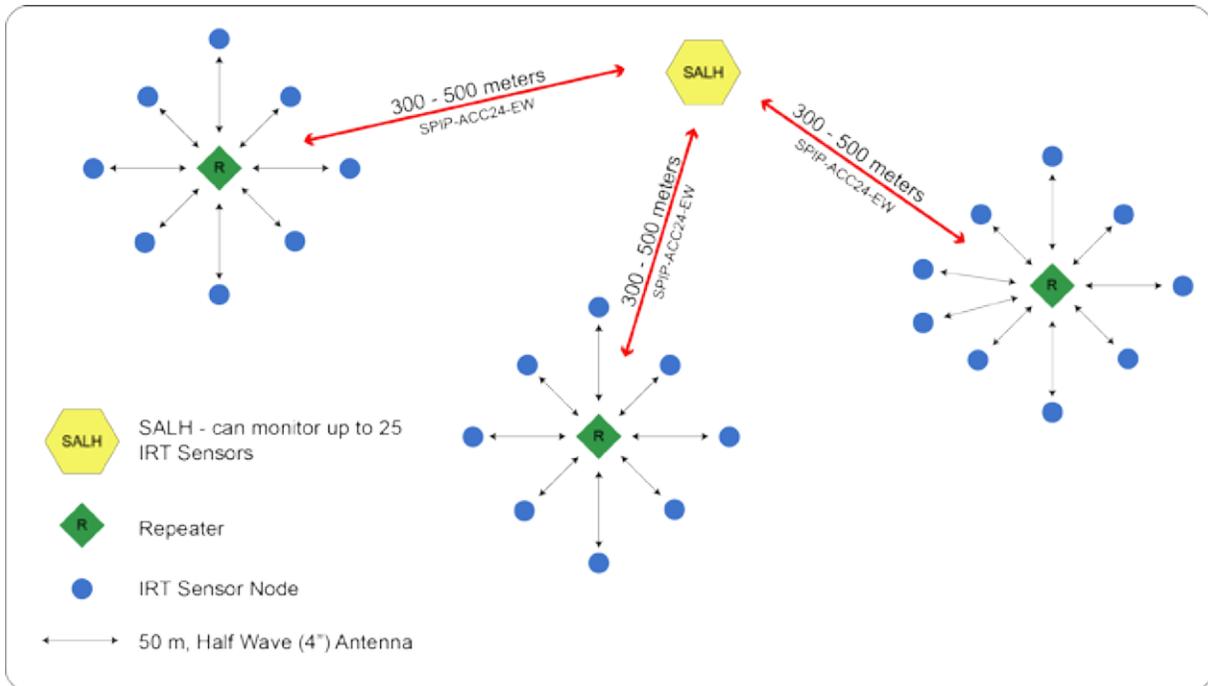
Features

- Stand alone data logging system
- Up to (25) IRT sensors with (3) repeaters and one SALH Data Logger
- SD Card Slot for Data Storage (1 Million records)
- $\pm 0.5^\circ$ C accuracy over wide range of ambient ($0^\circ - 60^\circ$ C)
- IRT has 20 Degrees Field of View
- Excellent where continuous data is required
- No Calibration Required
- Browser data access with authentication
- CWSI, iDANS and temp is transmitted to mobile phone – Wifi interface page



Specifications

Power	Requires 12 VDC at 300 mA max, or 110 VAC with optional AC/DC converter
Sensors	Up to 25 IRT Sensors
Operating Temperature	-20° to + 50° C
Resolution	.01° C
Range	100 ft. line of sight Zigbee Wireless Router may be used to extend the range
Wifi Range	100 ft line of sight to users cell phone
Storage	Up to a million readings
Logging Interval	1 to 60 min



Ordering Information

SPIP-SALH

Stress Accumulator Logger

MSX30R

30 Watt solar panel with mounts and a 12 V regulator

SPIP-REP24-ZB

SapIP Router Relay Module, 2.4 GHz

SPIP-ACC24-EW

External Waterproof Antenna Kit, 2.4 GHz (500 m)

SPIP-IRT

SapIP Wireless IR Leaf Temp Node

SPIP-IRTANT24

2.4 GHz Antenna, Half Wave, 4" (50 m)

MS2MB

Mounting Bracket for 2W Solar Panel

MSX2

Solar Panel, 2 Watts, No Regulator, for IRT

SPIP-RHT

RH and temp node with shield