

# Sens-Alert Agricultural "Dew" Sensor and Alarm System

[www.sens-alert.com](http://www.sens-alert.com)

Contact us by:  
Phone: 805-886-5909

By email: [mdlilly1@cox.net](mailto:mdlilly1@cox.net)

On the web:  
[www.sens-alert.com](http://www.sens-alert.com)

## **Made in the USA By ML Designs** Programmable, Satellite Phone Unit with Digital Voice **Model - SPIU**

### **Satellite Phone, Interface**



This product has evolved as a result of direct input from Growers in the Western US. It was originally developed for Alfalfa growers to assist them in determining baling start times out in remote field locations while they rested comfortably in bed or performed other tasks. No more sleeping in the truck at night! It gets you out of your truck cab and allows you to get the rest you need. The Unit is the ultimate in universal communication capabilities. This unit was designed to function in the most remote areas of the world. Units are 12VDC powered and typically are completely self-contained stand-alone systems. This unit can be called at any time to interrogate the current values for humidity, hay toughness and /or temperature, without affecting its operation. Phone can be removed from the unit and used for normal voice communications!

### **Portable/Remote, monitoring and Digitized voice alert call-out for:**

- Hay Toughness for Baling Start Time
- Relative Humidity
- Temperature
- Flood Irrigation Water Position
- General Switch Closures or Openings
- 2 Analog Inputs (for other commercially available sensors or user defined inputs)

### **Possible Applications:**

Remote sensing/monitoring of Field crops, Row Crops Orchards and Pastures, Shop Security, Intruder alert, etc....

**\*Custom applications and configurations are also available.**

**\*\*See reverse side for configuration options.\*\***



**\* Uses the Iridium Satellite Network**

**\*Satellite Service Provided by World Communication Center (WCC)**

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Email: [mdlilly1@cox.net](mailto:mdlilly1@cox.net)

# Sens-Alert, by ML Designs. "Dew" Sensor and Alarm System -System Configuration Sheet-

**ML Designs** on the web at: [www.sens-alert.com](http://www.sens-alert.com)



Close-up of control module

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## Model SPIU (Satellite Phone Interface Unit)

Select from the currently available options listed below (A through Q). Contact ML Designs for an official Quote regarding your configuration. If you do not see what you want, give us a call and we can talk about your custom arrangement. Units are made to order, so contact us early! (Use these prices as a guide. Due to the ongoing redesign of the system prices subject to change without notice.)



### Electronic Module

**A-** Sens-Alert Controller module with auto dialing control unit (Does not include Phone), Select sensor and arrangement options from the following. **(\$1054.00)**

### External Enclosure

**B-Plastic** (Assembly Includes wiring for phone and sensor options). **(\$545.00)**

### Battery/Charger

**C-** 12 Amp hour Rechargeable Battery & Charger. **(\$95.00)**

**D-** Additional 12Ahr Rechargeable Battery. **(\$75.00)**

### Sensors / Options

**E-** Weather station grade Temp and R.H. Probe with radiation shield and mounting stake & hardware. **(\$952.00)**

**F-**

**G-** Hay Clip Sensor assembly with 6 ft Cable and connector. . **(\$204.00)**

**H-** Standard Relative Humidity / Temperature Probe Combo. with 10 ft cable. **(\$567.00)**

**I-** Temperature Probe with 1/2 degree F response and 10 ft cable. **(\$200.00)**

**J-** Standard Relative Humidity Probe with 10 ft cable. **(491.00)**

**K-** Irrigation Probe with 50 ft cable. **(\$278.00)**, with 100 ft cable. **(\$290.00)**

**L-** Portable Solar Charger System. **(\$323.00)**, - call to verify current pricing.

**M-** Flashing Beacon (useful for finding the unit at night) - user activated by calling the unit. **(\$103.00)**

**N-** Meteorological grade Temp and R.H. Probe with shield and mounting hardware. **(\$1312.00)**

**O-** Mercury switch detector for possible notification of unauthorized transportation (theft). **(\$45.00)**

**P-**

**Q-** Iridium Satellite AgVaD Transceiver unit (Satellite Phone). Satellite Antenna and Cable. **(\$2350.00)**. Call to Verify Availability and Price.

**Build a Unit** (Select from "A through "Q" above and fill-in the table below) Call for custom options

### Notes:

- Requires a user activation of Satellite Phone Service. System will be installed and pre-tested at ML Designs before shipping.

|   | <u>Select from A-O above</u> | <u>Unit Price</u> |
|---|------------------------------|-------------------|
| Electronic Module.....                          | A                            | \$ 1054.00        |
| External Enclosure.....                         | B                            | \$ 545.00         |
| Battery/Charger.....                            |                              | \$                |
| Sensors / Options.....                          |                              | \$                |
| Additional Sensors / Options.....               |                              | \$                |
| Additional Sensors / Options.....               |                              | \$                |
| Additional Sensors / Options.....               |                              | \$                |
| Additional Sensors / Options.....               |                              | \$                |
| Satellite Phone Unit and Antenna .....          | Q                            | \$ 2350.00        |
| Shipping/Handling F.O.B. Goleta, CA. 93117..... | <u>estimate</u>              | \$ 85.00          |
| Other.....                                      |                              | \$                |

**Total estimated Cost** ..... \$

