

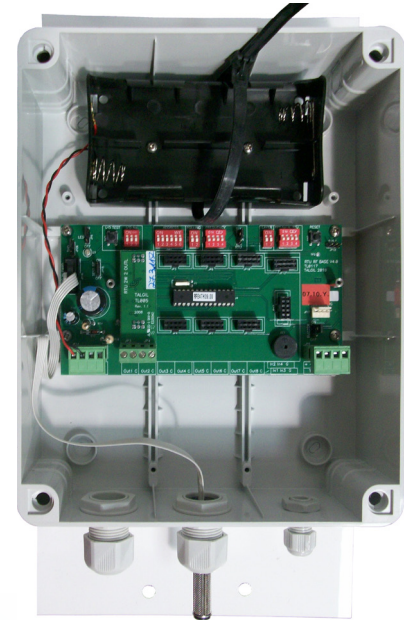
TH Radio Sensor

Temperature & Humidity Sensor

Bermad Temperature and Humidity sensors provide frost and cooling protection solutions for sensitive crops. The sensor can be installed on a plant leaf or in an enclosure near the controller or in the field using Bermad radio technology for communicating with Bermad's BIC2000 controller

Features and Benefits

- One sensor for ambient or leaf temperature and humidity.
- Frost Protection or Cooling programs.
- Grower define Critical Plant Temperature below which the crop may suffer frost damage.
- The BIC2000 automatically activates the frost protection program based on:
 - Critical Plant Temperature.
 - Set threshold above Critical Plant Temperature.
- Same sensor used for starting cooling cycles to protect the crop against too high or too low temperatures.
- Cooling program starts automatically based on set threshold of temperature and humidity.
- If fertilizers applied at time of interruption for cooling, the controller will flush the pipes before starting the overhead cooling cycle.
- Remote reading using Bermad's radio RTU.
- Powered by rechargeable 12VDC battery and solar panel or four Alkaline batteries.
- Automatic frost/cooling alarms sent by text message and/or through the BIC2000 PC software.



Specifications

- **Temperature:**
 - Range: -40°F to 240°F
 - Accuracy: +/- 0.3
- **Relative Humidity:**
 - Range: 0-100%
 - Accuracy: 0.05% RH
- **Power:**
 - 12V DC, 4xD Size Alkaline batteries or 1 AH battery and 2.5W solar panel

RF RTU:

Inputs

- 1 Temperature & Humidity Sensor.
- 0 or 4 Digital Inputs.

Outputs

- 2, 4, 6 or 8 Digital 12VDC Latch outputs.

