

Web-enabled environment monitor for equipment and server rooms with built-in climate sensors, ports for external sensors, LCD display and an alarm horn.

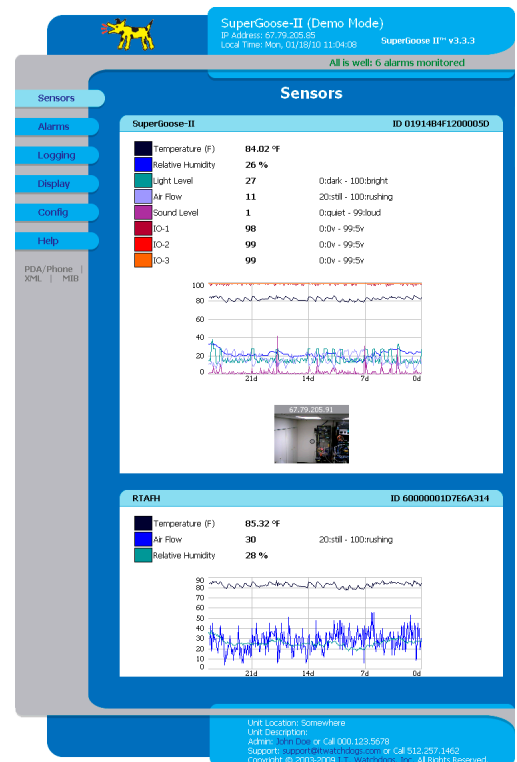
- Accessible through a web browser
- 5 built-in sensors
- 3 analog inputs for 0-5 VDC sensors
- 5 digital sensor ports for ITW remote sensors
- LCD display cycles through sensor readings
- Multi level alarms with escalation
- Alarm notifications sent by email and SNMP
- Audible horn triggered by alarm



The SuperGoose II occupies a 1-U space and contains a complete set of internal sensors. A variety of remote sensors are easily added.

This self-contained unit continually monitors climate conditions and displays them via an internally-generated web page. These values are graphed for easily seen trends. The LCD display on the front of the unit cycles through the values. If user-defined thresholds are exceeded, alarms can be sent via e-mail, audio alarm, or SNMP trap. Installation is simple using an intuitive web interface. All a user needs is a standard web browser (e.g Firefox, Internet Explorer).

### Web Interface - Sensors Page



A web page displays the current values with graphs showing trends. This unit has a digital remote sensor attached (RTAFH).

## WEB INTERFACE

The web interface is the primary way to interact with the SuperGoose II. This interface allows a user to remotely check the status of the environment, view graphs of logged data and see web cam images.

Configuration and administration of the unit is done through the web interface. Access is user name and password protected. SSL encryption can be used for added security through the HTTPS capabilities in browsers.

The firmware running on the SuperGoose II is updated through the web interface.

## OTHER ACCESS METHODS

Besides web access, there are a variety of methods that can also be used for obtaining sensor data from the unit. Meta-tagged system info is available in XML. Logged data can be downloaded as a CSV file.

### Web Interface - Alarms Page

Buzzer E-mail Traps

Temperature (F) [dropdown]  
High Trip [dropdown] 88.0

Alarm thresholds are user-configured through the web interface. A sensor can have several thresholds set.

The device also supports SNMP (v1, v2c, v3). This allows dozens of Network Monitoring programs such as HP OpenView, IP Sentry, MRTG, or What's Up Gold (Ipswitch) to easily add the SuperGoose II to the list of monitored devices.

For local viewing, real-time values are continually displayed on a 2 line by 8 character backlit LCD display. The user selects which sensors are shown on the display.

## ALARMS

A user sets alarm thresholds (up to 200) to define sensor boundaries and indicate what to do if there is a problem. Multiple thresholds are assigned to a sensor for alarm escalation.

The unit continuously compares sensor readings with these thresholds. If a reading exceeds a threshold, the alarm is "tripped" and the SuperGoose II alerts the appropriate recipients by email and/or SNMP. When the alarm ends, the unit sends a "cleared" notice.

The SuperGoose II has an audible alarm that can be triggered by alarm. A button on the front of the unit is used to turn off the alarm buzzer.

## REMOTE SENSORS

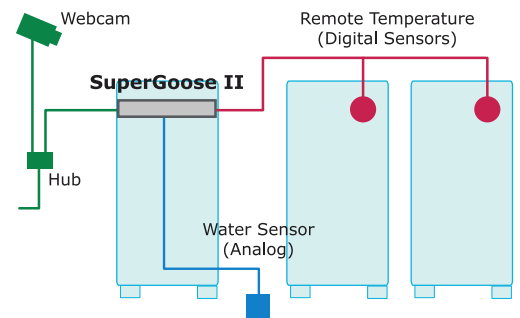
### Analog

Analog inputs on the SuperGoose II support any contact closure sensors and industry standard sensors that provide a 0-5VDC signal. Names for the input channels are configured through the web interface.

### Digital

Digital sensors provide sensor data through a serial protocol. Once connected, the SuperGoose II automatically detects and identifies the sensor type. These sensors can be given a "friendly" name to make them easier to identify. There are five digital sensor ports. By using splitters up to 16 digital sensors can be attached with a total aggregate cable length of 600'.

## Monitoring Multiple Cabinets



A SuperGoose II uses remote temperature sensors to monitor multiple cabinets. A water sensor checks for water leaks and a web cam provides remote images of the room.

## Device Details

### Built-in Sensors

Temperature: -22 to 185 °F (-30 to 85 °C), +/- 0.5 °C  
 Humidity: 0 to 100%, +/- 5%  
 Air Flow: 0 to 99 (relative value)  
 Light: ambient light level  
 Sound: average sound level

### Remote Sensor Support

Digital sensor: 5 ports (supports up to 16 with splitters)  
 Analog sensor: 3 inputs (contact closure, 0-5 VDC)

### Specifications

Physical: 19" rack-mount, 1-U space  
 Power: 6VDC (supplied wall transformer)  
 Ethernet: 10 Mbps, RJ-45 receptacle  
 Real Time Clock (RTC) with power backup  
 Reset push-button: restores factory defaults  
 Alarm push-button: silences alarm buzzer  
 LCD Display: 2 lines x 8, back lit, cycling sensor values  
 Warranty: 1 year (extended warranties available)

### Software Features

HTTP / HTTPS: web access  
 Alarms: high/low values, multiple thresholds per sensor  
 ESMTMP / POP3: email alerts, ESMTMP / POP3 auth  
 SNMP (v1, v2c, v3): gets, trap and clear alerts, MIB  
 Paging: email to pager proxy  
 XML: meta-tagged sensor values, alarms, config  
 Syslog: send debug messages to Syslog server  
 Web interface: 4 styles to choose from  
 Access-control: 3 access levels (view, control, admin)  
 Web cams (optional): Up to four can be displayed  
 Compatible with WatchDog Console Aggregator

