

ENVIRONMENTAL SENSOR BOX USER MANUAL



PRESENTATION

FEATURES

This environmental sensor box is an option of SNMP card product with temperature and humidity sensors inside 4 contact closure inputs for monitoring environmental status such as smoking, fire, water and security alarms.

Features:

- Environmental temperature and humidity monitoring.
- Attaches up to 4 contact closure inputs for monitoring other environmental devices.
- Allows remote monitoring through network.

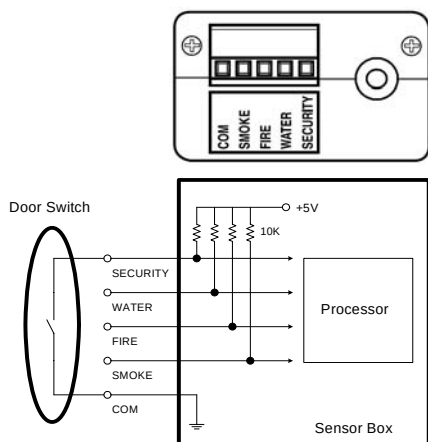
SPECIFICATION

TECHNICAL SPECIFICATION

Size	18*60*50 mm
Weight	140 g
Temperature Measurement	0 ~ 65° C 32 ~ 149° F
Humidity Measurement	20 ~ 90 %
Power Input	12V DC
Power Consumption	400 mw

4 INPUT CONTACT CLOSURES

Pin-1	COM
Pin-2	SMOKE
Pin-3	FIRE
Pin-4	WATER
Pin-5	SECURITY



INSTALLATION

1. Set the SNMP card device's dip switch to SW1-ON, SW2-OFF to enable receiving environmental sensor box.
2. Plug the cable of sensor box into your SNMP card device's console port.
3. Now you can open the web browser, connect to the SNMP card device and click on the "Sensor" menu to monitor Environmental Sensor's readings.

CONFIGURATION

THRESHOLDS FOR TEMPERATURE AND HUMIDITY

1. Open the internet browser and connect to the SNMP card device.
2. Click on the Sensor menu item to display environmental sensor box page.

System Time: 06/04/2006 Sunday 21:41:16

[Back to Home](#)

Environment >> Sensor

Information

Temperature: 23.0 °C
Humidity: 55 %
Security Alarm (Relay1): Normal
Water Alarm (Relay2): Normal
Fire Alarm (Relay3): Normal
Smoking Alarm (Relay4): Normal

Configuration

Temperature Alarm Threshold: 40 °C
Humidity Alarm Threshold: 90 %
Security Alarm (Relay1): Normal Open
Water Alarm (Relay2): Normal Open
Fire Alarm (Relay3): Normal Open
Smoking Alarm (Relay4): Normal Open

3. Change the values in the "Temperature Alarm Threshold" and "Humidity Alarm Threshold" then press Submit button to update the threshold values.

Now, if the temperature or humidity exceeds the threshold you have configured, it will display the reading value in red and record the alarm in event log page. Moreover, you can configure it to send the SNMP trap to the assigned target hosts.

NORMAL OPEN/CLOSE FOR INPUT CONTACT CLOSURES

1. Open the internet browser and connect to the SNMP card device.
2. Click on the Sensor menu item to display environmental sensor box page.
3. Select normal open or normal close from the 4 options individually then press Submit button to update the alarm states.

System Time: 06/04/2006 Sunday 21:50:48

[Back to Home](#)

Environment >> Sensor

Information

Temperature: 23.0 °C
Humidity: 57 %
Security Alarm (Relay1): Normal
Water Alarm (Relay2): Normal
Fire Alarm (Relay3): Normal
Smoking Alarm (Relay4): Normal

Configuration

Temperature Alarm Threshold: 40 °C
Humidity Alarm Threshold: 90 %
Security Alarm (Relay1): Normal Open
Water Alarm (Relay2): Normal Close
Fire Alarm (Relay3): Normal Open
Smoking Alarm (Relay4): Normal Open

Now, if one of the 4 input contact closures is not in the normal state then it will display the reading status in red and record the alarm in event log page. Moreover, you can configure it to send the SNMP trap to the assigned target hosts.

System Time: 06/04/2006 Sunday 22:03:53

[Back to Home](#)

History >> Event Log

UPS and System Event Log - Page 1

Date (MM/DD/YYYY)	Time (hh:mm:ss)	Event
06/04/2006	19:15:51	Environment Security R1 Normal
06/04/2006	19:15:36	Environment Smoking R4 Normal
06/04/2006	19:15:36	Environment Fire R3 Normal
06/04/2006	19:15:36	Environment Water R2 Normal
06/04/2006	19:15:36	Environment Security R1 Alarm
06/04/2006	19:15:10	Environment Smoking R4 Alarm
06/04/2006	19:15:10	Environment Fire R3 Alarm
06/04/2006	19:15:10	Environment Water R2 Alarm

Page 1 2 3 4 5 [Download Event Log File](#)