1. Product Outlook

- Communication port
- Input dry contact terminal
- Device status indicator
- DC input connector

2. Product Introduction

This environmental monitoring device (EMD) is a connectivity device to remote monitor temperature and humidity via SNMP manager. It also provides two dry contacts to receive signals from up to 2 compatible devices such as security system and alarm system.

- Plug & use for simple installation with SNMP manager
- Monitor temperature and humidity to protect your precious equipment
- Allow two contact closure signals for user-defined usage
- Management software to remote monitor temperature and humidity status via web browser
- Measure temperatures between 0 to 100°C with an accuracy of ±1.5°C
- Measure relative humidity between 10 to 90% RH with an accuracy of ±3%

3. Function Diagram

4. Installation

**Inspection**

Before installation, please inspect the unit. Be sure that nothing inside the package is damaged. You will find following items inside of package:

- Cable spec: UL2835 24AWG*4PAIRS+AEB
- Plug Type: 4PCC 3U*2PCS

**Pre-installation**

Before making connection to environmental monitor device, make sure the UPS is already installed with SNMP manager. Please check SNMP manager for SNMP card installation.

**Wall-mounting**

There is a mounting hole on the back of the unit. Simply mount the unit by position the key-hole slot over the mounting screw. (See chart 1)

**Connect to power**

Please follow Chart 2 to connect an external 12VDC power source. If connecting to SNMP card, there is power from SNMP card. It's no need to connect an external power source.

**NOTE:** To guarantee safety operation, please use the appropriate DC wire with UL2468 #24AWG spec.

**SNMP Connection**

Connect supplied cable from communication port of environmental monitor device to RS-232 port of SNMP manager. Use another network cable to connect from RJ45 port of SNMP manager to LAN. (Refer to chart 3)

**NOTE:** If supplied cable is not long enough for your application, you may substitute another longer cable (not exceed 15m)

**Operation**

After making connection, status LED will light up and the unit starts to operate.
5. Monitoring Software Operation
Software Installation
After unit is connected well, please follow below steps to install monitoring software from the internet.
1. Go to the website http://www.power-software-download.com
2. Click ViewPower Pro software icon and then choose your required OS to download the software.
3. Follow the on-screen instructions to install the software.
4. When your computer restarts, the monitoring software will appear as an orange plug icon located in the system tray, near the clock.

Operation
Step 1: Double click “ViewPower Pro” icon to launch the software.
Step 2: SNMP manager will be automatically activated. Select “SNMP manager” by clicking right button of the mouse.
Step 3: Enter specific IP address to search all SNMP devices in LAN. The SNMP manager will automatically collect the IP address from sever by default via a DHCP server.
Step 4: After SNMP manager is successfully detected by SNMP manager, select “Open Monitor” by clicking right button of the mouse.
Step 5: When launching ViewPower Pro software, click “Environmental information” icon to view status.

6. Trouble Shooting

<table>
<thead>
<tr>
<th>Problem</th>
<th>Possible Cause</th>
<th>Solutions</th>
</tr>
</thead>
<tbody>
<tr>
<td>It displays 0 in the environmental information section of software.</td>
<td>SNMP card is not connected well.</td>
<td>Make sure SNMP card is firmly connected in the UPS.</td>
</tr>
<tr>
<td>Network cable or DC input connection is not connected well.</td>
<td>Make sure network cable is connected well and DC input connection is well.</td>
<td></td>
</tr>
<tr>
<td>LED is not lighting or LED is flashing.</td>
<td>Input power is not stable.</td>
<td>Check if DC input is connected firmly. If the problem persists, please contact local dealer.</td>
</tr>
<tr>
<td>Temperature or humidity accuracy is out of range.</td>
<td>Temperature or humidity sensor is broken.</td>
<td>Please contact local dealer directly.</td>
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</table>

7. Specification of Environmental Monitoring Device

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<tr>
<th>Model</th>
<th>Nominal DC input</th>
<th>DC input current</th>
<th>Temperature measurement range</th>
<th>Temperature measurement accuracy</th>
<th>Humidity measurement range</th>
<th>Humidity measurement accuracy</th>
<th>Communication</th>
<th>Acceptable cable length</th>
<th>Dimension (DxWxH) mm</th>
<th>Net weight</th>
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<td>EMD</td>
<td>12VDC</td>
<td>0.5 A min.</td>
<td>0 ~ 100°C</td>
<td>±1.5°C</td>
<td>10% ~ 90% RH</td>
<td>±3%</td>
<td>RS232 with ASCII protocol</td>
<td>15 m</td>
<td>80 x 78 x 28.5</td>
<td>68g</td>
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8. Input dry contact terminal

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Input signal specification

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<tr>
<td>12V</td>
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<td>5V</td>
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