

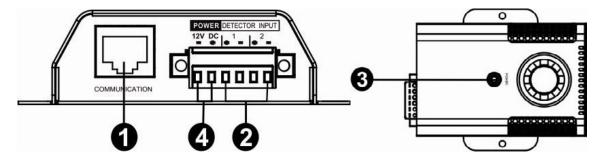
SNMP-EMD

Environmental Monitoring Device

User & Installation Manual

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Product Outlook



- 1. Communication port
- 2. Input dry contact terminal
- 3. Device status indicator
- 4. DC input connector

Product Introduction

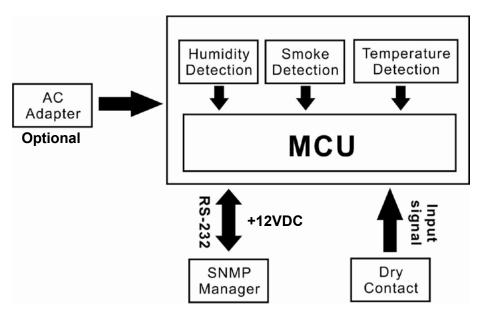


SNMP-EMP

This environmental monitoring device (EMD) is a connectivity device to remote monitor temperature, humidity, and smoke 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 userdefined 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%

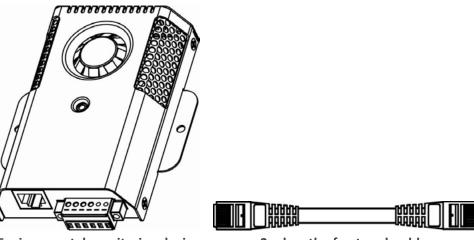
Function Diagram



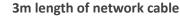
Installation

Inspection

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



Environmental monitoring device



Pre-Installation

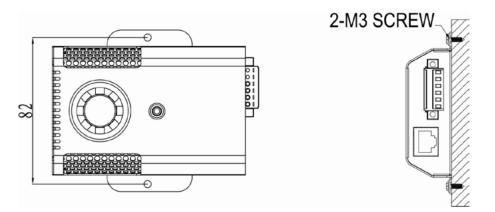
Before making connection to environmental monitor device, make sure the UPS is already installed with SNMP manager. Please check SNMP manager for SNMP card installation.

Wall Mounting

Step 1: Use a vertical line and the length of the line must be 82 mm and mark the two ends on the wall.

Step 2: Drill two marks by screws.

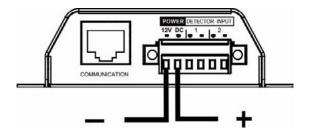
Step 3: Mount the unit by positioning the keyhole slots over the mounting screws.



Connect to Power

Follow the image below to connect 12VDC power source. If connecting to SNMP card, there is power from SNMP card and no need for external power source

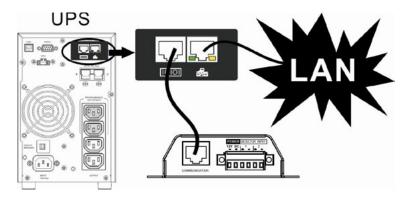
Note: To guarantee safety operation, please use the appropriate DC wire with UL2468 #24AWG spec.



SNMP Connection

Connect supplied network cable from communication port of environmental monitor device to RS232 port of SNMP manager. Use another network cable to connect from RS485 port of SNMP manager to LAN.

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



Operation

After making connection, green LED will light up and the unit starts to operate.

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.powersoftwaredownload.com
- 2. Click ViewPower Pro software icon and then choose your required OS to download the software.
- 3. Follow the onscreen 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.

🛐 SNMP Manager 🔤 🗖 🖂 🖂			
System Settings Language			
IP address UPS name Address	Note	Basic Info IP settings Online upgrade System management Static trap address	
192.168.103.230 UPS1 F1	TEST		
	100 million (100 million)	IP address 192.168.103.230	
		MAC address 60.19.29-00-00-18	
		Address F1	
		Note TEST	
		Annie	
		Apply	
SNMP status: 1 SNMP reset en al	le Reset		
Use system time: 09/10/2012 10:10:55 Ap	bly		
		Output window	
192.168.103 Scan		[10:06:27] 192.160.103.97 Online successfully.	
Add			
Del			

Step 4: After SNMP manager is successfully detected by SNMP manager, select "Open Monitor" by clicking right button of the mouse.

4	Start Monitor
	Stop Monitor
	SNMP Manager
	Configuration
	Https 🕨
	Software Update▶
1	Open Monitor
19	Exit

Step 5: When launching ViewPower Pro software, click "Environmental information" icon to view status.

Configuration Schedule View	Format Language Help	User type: Guest Login	
📲 🌇 🤒 🛸			
(192.168.103.165 SNMPP01 0000000000	0000)		
🐋 Status	Power flow UPS info Diagram Environmental information		
 Basic information Parameters setting Real-time control Purchasing information Close window 	Environmental information Temperature : 291 °C Humidity : 41.6 %		

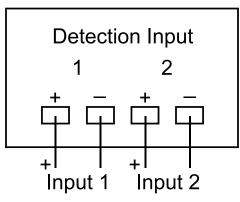
Troubleshooting

Problem	Possible Cause	Solutions
It displays 0 in the environmental information section of software.	SNMP card is not connected well.	Make sure SNMP card is firmly con- nected in the UPS.
	Network cable or DC input connec- tion is not connected well.	Make sure network cable is con- nected well and DC input connec- tion is well.
LED is not lighting or LED is flashing.	Input power is not stable.	Check if DC input is connected firmly. If the problem persists, please contact local dealer.
Temperature or humidity accuracy is out of range.	Temperature or humidity sensor is broken.	Please contact local dealer directly.

Specifications

Model	SNMP-EMD	
Nominal DC input	12VDC	
DC input current	0.5 A min.	
Temperature measurement range	0 ~ 100°C	
Temperature measurement accuracy	±1.5°C	
Humidity measurement range	10% ~ 90% RH	
Humidity measurement accuracy	±3%	
Communication	RS232 with ASCII protocol	
Acceptable cable length	15 m	
Dimension (W x D x H)	3.5 x 4.7 x 1.1 in	
Weight	0.5 lbs	

Input Dry Contact Terminal



Input Signal Specification

	Maximum	Minimum
Input Voltage	12V	5V