FSP MPF0000500GP Environmental Monitoring Device User Guide

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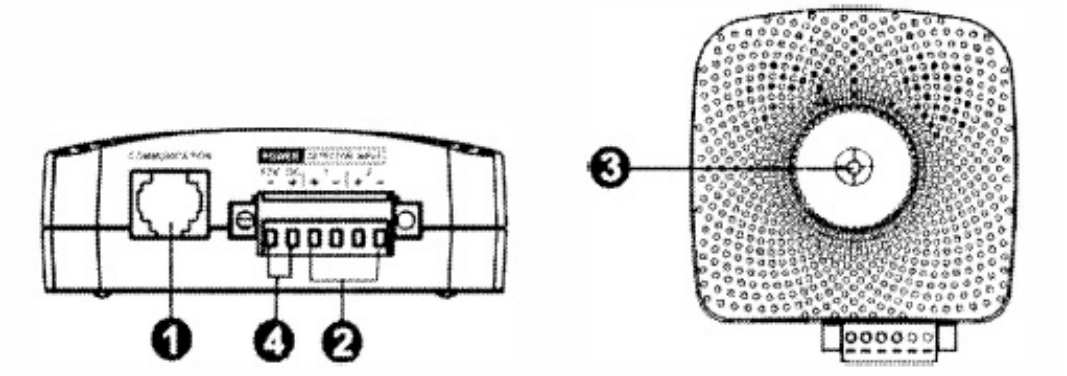
Environmental Monitoring Device Quick Guide

Product Outlook



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

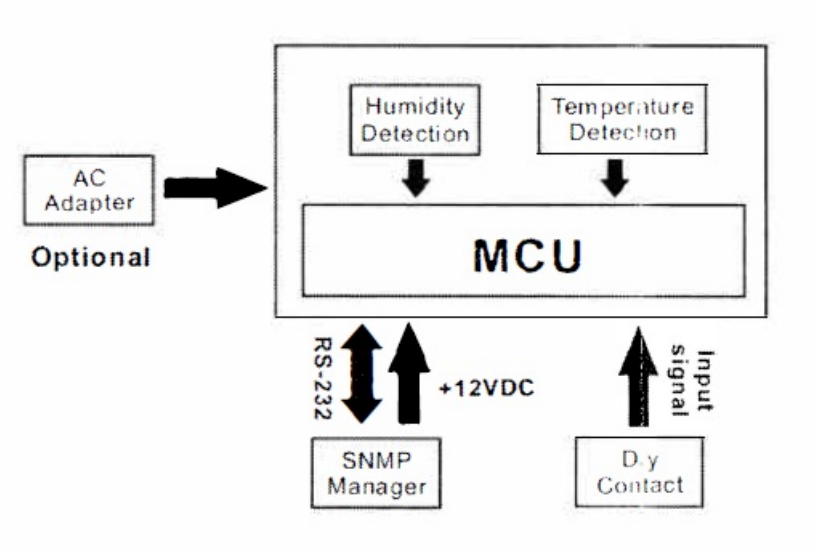
Product Introduction

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

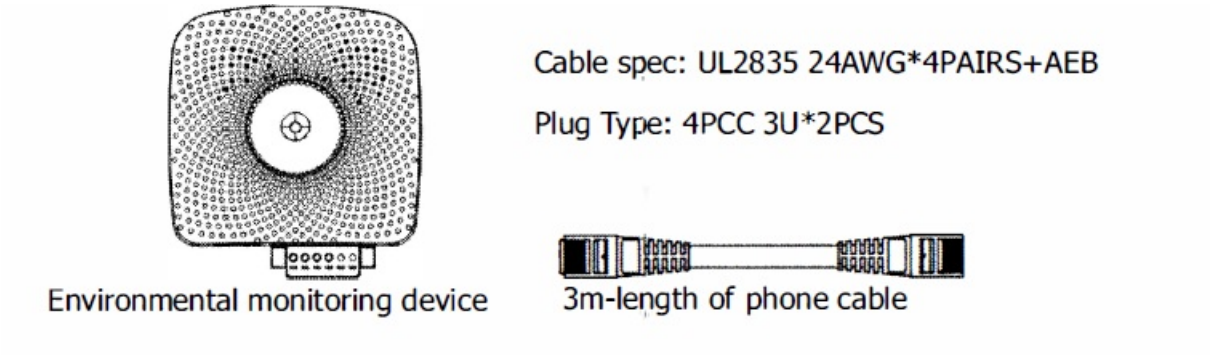
- Management software to remote monitor temperature and humidity status via web browser
- Measure temperatures between Oto lOO'C with an accuracy of ±!SC
- Measure relative humidity between 10 to 90% RH with an accuracy of ±3%

Function Diagram



Installation Inspection

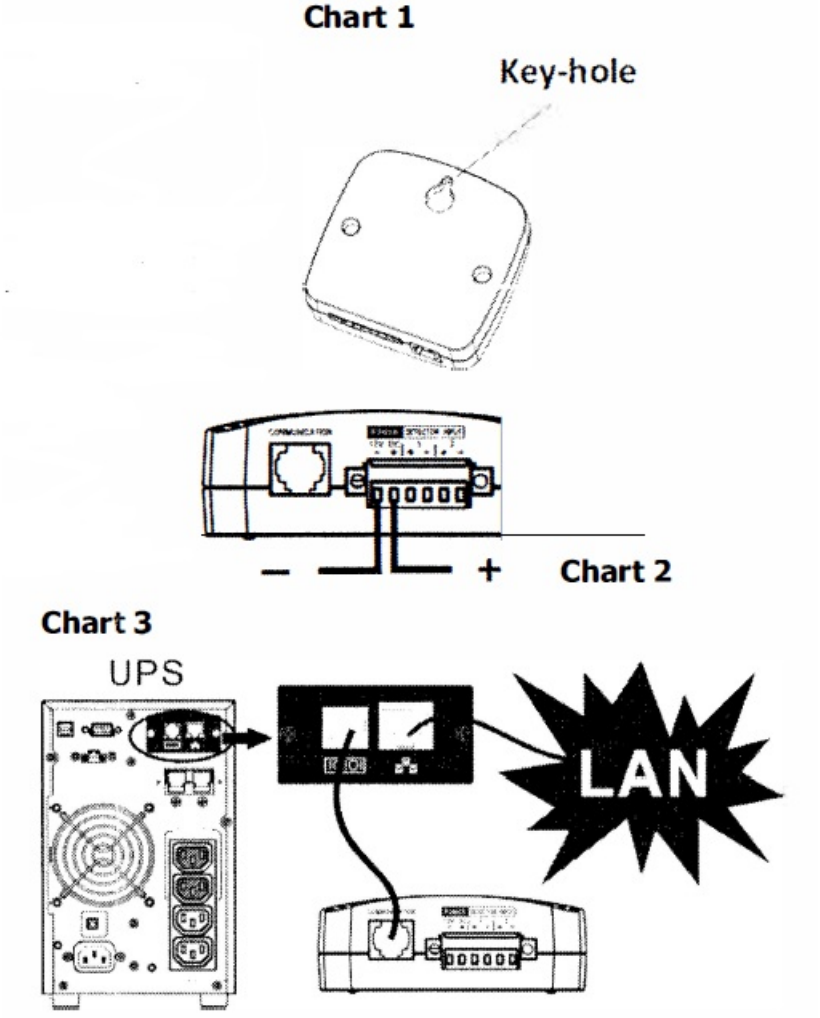
Before installation, please inspect the unit. Be sure that nothing inside the package is damaged. You will find the following items inside of package



- **Pre-installation**
  Before making a connection to the environmental monitor device, make sure the UPS is already installed with the SNMP manager. Please check the SNMP manager for SNMP card installation.
- **Wall-mounting**
  There is a mounting hole on the back of the unit. Simply mount the unit by positioning 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 the SNMP card, there is power from SiMP L&d. 1L·s no need to wear an external power source.
- **NOTE**: To guarantee safe operation, please use the appropriate DC wire with UL2468 #24AWG spec.
- **SNMP Connection**
  Connect the supplied cable from the communication port of the environmental monitor device to the RS-232 port of the SNMP manager. Use another network cable to connect from RJ45 port of SNMP manager to LAN (Refer to chart 3)

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

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



Monitoring Software Operation

Software Installation

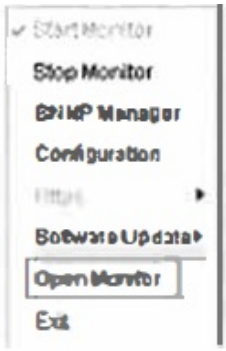
After unit is connected well, please follow below steps to install monitoring software from the internet.

1. Go to the website **http://www.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

1. Step: Double click the “ViewPower Pro” icon to Step 2: SNMP manager will be automatically launch the software.
2. Step Select “SNMP manager” by clickina rights Hutton of the mause

3. Step: Enter the 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.
4. Step: After SNMP manager is successfully detected by SNMP manager, select •open Monitor• by clicking right button of the mouse.



5. Step: When launching VlewPower Pro software, dick the “Environmental information” icon to view the status.

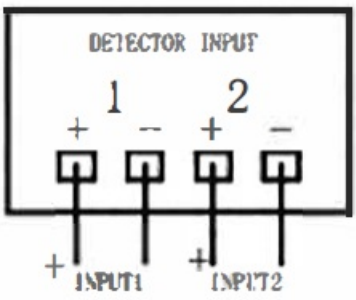
TroubleShooting

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 connected in the UPS.
	Network cable or DC input connection is not connected well.	Make sure network cable is connected well and DC input connection 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.

7. Specification of Environmental Monitoring Device

Model	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 (DxWxH) mm	80 x 78 x 28.5
Net weight	68g

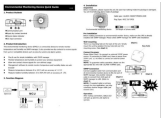
Input dry contact terminal



Input signal specification

Input voltage	Maximum	Minimum
	12V	5V

Documents / Resources

	FSP MPF0000500GP Environmental Monitoring Device [pdf] User Guide MPF0000500GP, Environmental Monitoring Device, MPF0000500GP Environmental Monitoring Device, EMD