



SafetyNet

Getting Started Manual



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1 Introduction and Overview

SafetyNet is a modern network based Environmental Monitoring System (EMS). This product is ideal to monitor your facility services and notify of potential environmental problems, which may impact on the network operations.



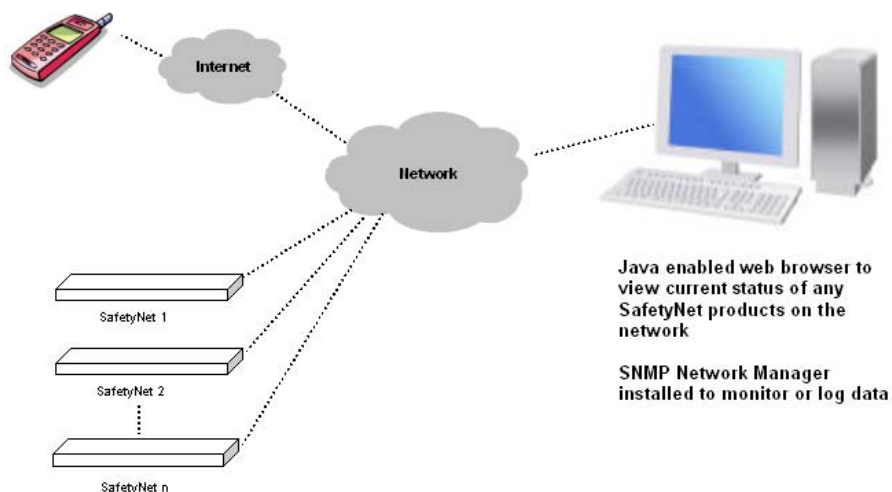
Features

- Powerful embedded microprocessor driven, with networking features.
- Up to 2.5 hours of internal battery backed operation.
- 19" inch rack mountable and compact size.
- SNMP features to notify error conditions or to poll data.
- SMS messaging via the Internet.
- Remote configuration and monitoring capabilities.
- Two analogue (temperature or humidity), smoke, fluid and four contact sensor (digital) inputs.
- Two individual relays, capable of being driven via a web interface or by sensors.
- A strobe, a buzzer and LED to indicate error conditions.
- Graphical plotting for your analogue sensors.
- Up to 40 entries of alarm and event logs.

Applications

- Computer server room monitoring.
- Computer rack monitoring and management.
- Alarm consolidation from other non-net enabled systems.
- Monitoring of other controlled environments
- Remote door controlling applications.

1.1 Network Overview of SafetyNet



1.2 How to Use This Manual

This **Getting Started** manual is intended to enable the user to quickly and easily install and operate SafetyNet. This manual does not contain detailed information on the product functionality hardware capabilities, or its features.

1.3 Additional Product Information

Detailed information about SafetyNet will be found in the **SafetyNet User Manual**, provided on the accompanying CD-ROM in Adobe PDF format.

2 Requirements

The minimum requirements to run SafetyNet effectively are

- Access to the local network
- Java enabled web browser. (IE 5.5 or higher recommended)
- UDP port 30705 available for communication with SafetyNet on the network.
- Java™ 2 Runtime Environment, Standard Edition, Version 1.4.2 or higher installed on viewing PC.
(You may install this from <http://java.sun.com/j2se/1.4.2/download.html>)
- To send SMS messages SafetyNet needs access to the Internet via its gateway.

Note: Read *install_notes.txt* & *Java Runtime Environment Notes.txt* for details on minimum system requirements to install Java™ Runtime Environment Version 1.4.2

3 Hardware Setup

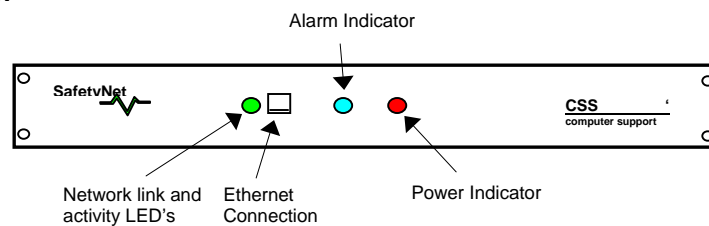
This chapter describes SafetyNet hardware setup in more detail, and explains how to set up and use the accompanying sensors and relays.

3.1 Contents

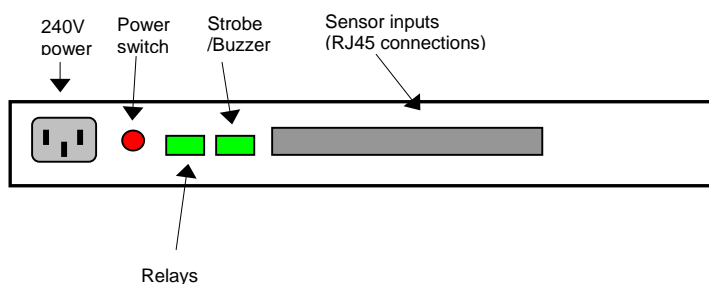
- 1RU SafetyNet unit
- One IEC 240V power cable
- Additional sensors as requested
- SafetyNet CD-ROM

3.2 SafetyNet

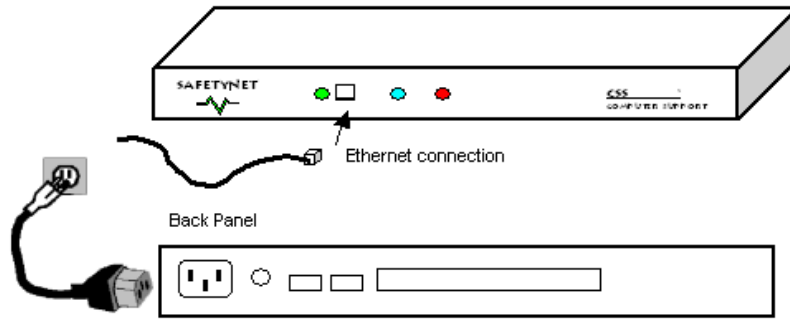
Front Panel



Rear Panel

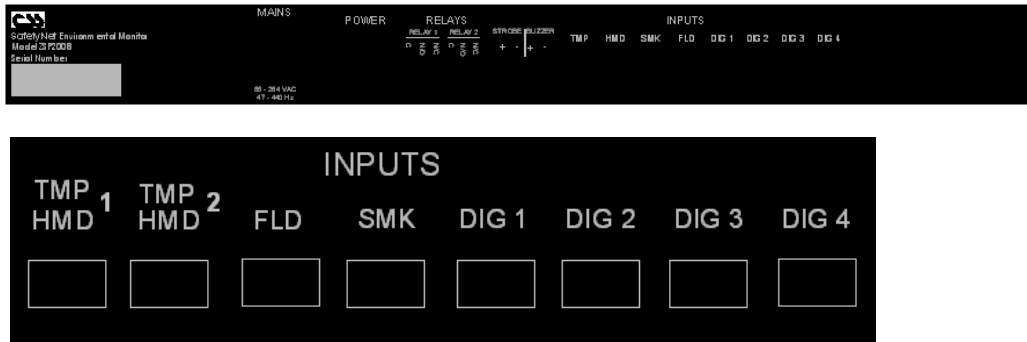


3.3 Power and Ethernet Connections



3.4 Installing Sensors

The sensors are installed on the back panel of SafetyNet and connected using RJ45 connections.



Connect the correct sensors to the corresponding input on the back panel as shown above.

The types of sensors accepted on SafetyNet are

- 2 x Analogue sensors (TMP or HMD)
- 1 x Fluid sensor (FLD)
- 1 x Smoke sensor (SMK)
- 4 x contact sensors (DIG1...DIG4)

These sensors are to be connected using standard CAT 5 RJ 45 connection cables.

3.5 Installing Relays

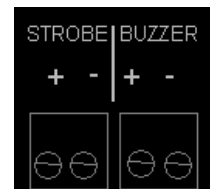
The relay connection is on the back panel of SafetyNet. It is capable of supplying 12V to an external device.

There are two independent relays in total.

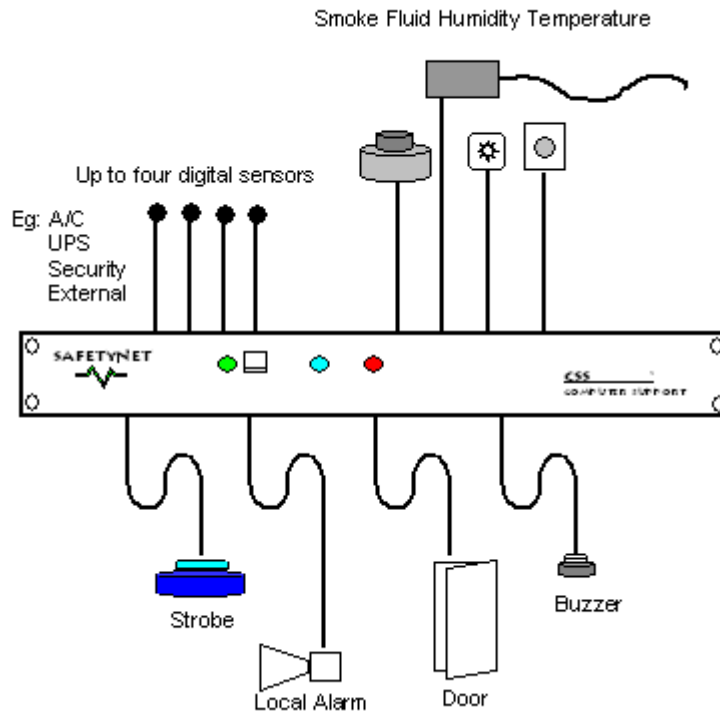


3.6 Installing the Strobe or the Buzzer

The strobe and the buzzer connection are on the back panel of SafetyNet. Only strobes and buzzers supplied by Computer Support Systems will operate on these terminals. These are driven at 12V D.C.



3.7 Overall Connections Diagram (Sample)

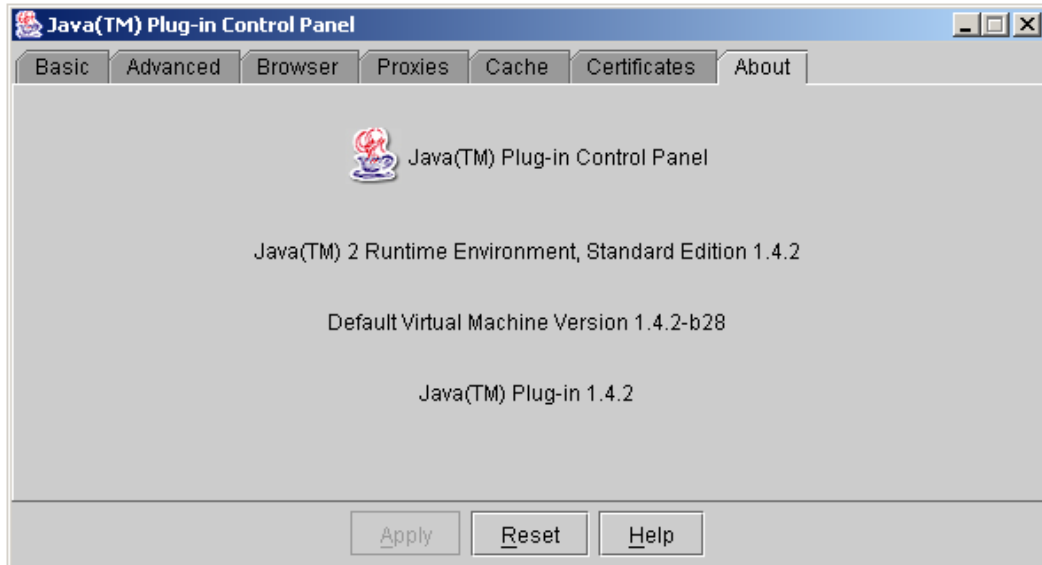


4 Software Installation & Overview

The remote interface of SafetyNet is loaded on a standard Java enabled web browser. The Java™ Runtime Environment 1.4.2 or higher is required to view the web interface.

Read `install_notes.txt` & `Java Runtime Environment Notes.txt` for details on minimum system requirements to install Java™ Runtime Environment Version 1.4.2

Once the runtime environment is setup it is able to simply use the default web browser to load the main menu of SafetyNet.



If the installation is successful, the control panel will have an icon for the “Java plug-in”. Double click this to get the above plug-in window. The about tab will show you the current version of the Runtime Environment. Version 1.4.2 or higher are acceptable to view the SafetyNet web interfaces.

4.1 Where Do I Go From Here?

Refer to the **Quick Install Guide** and then **SafetyNet User Manual** for details of the units' configuration and features.