

Sentinel SM1 System Monitor provides a complete system wide fault monitoring and reporting solution for mission-critical applications. Built on a tried and trusted processing 'Engine', Sentinel keeps a watchful eye on the audio system, and if required, any controlling PCs. Problems are reported both via relay contacts to the main monitoring panel in your system as well as being shown on Sentinel's front panel display. Multiple Sentinels can even monitor each other and the same network simultaneously for systems that require dual redundant monitoring.

- Two levels of incident reporting
- Detects missing devices
- Optionally monitors & reboots a PC
- Four Change-over relays for reporting
- Indicators show system status
- Display shows what needs attention
- Plug-and-play – no complex setting up

Introduction / Key Features

The Sentinel SM1 System Monitor is a pivotal BvNet network accessory, assuring system integrity in sensitive applications demanding dependability and requiring demonstrable functionality. The SM1 checks the status of all devices on the same BvNet network, looking for any defects, or lack of performance which may require attention.

The SM1 may be used stand-alone, or with the PodWare software application. Any defects found in the system give rise to clear indication on the indicators on the front panel, supplementary information being given on the backlit LCD so that the problem can be quickly located and diagnosed. A Comprehensive set of relay contacts allow defects to be reported to another monitoring system such as a fire panel.

Ease of Use

There are no complex menus or software applications to navigate with the SM1. In most cases, you simply connect the SM1 to your network of BvNet devices, and it immediately starts to provide the monitoring your system requires.

If your system demands something slightly more elaborate, such as monitoring a PC, then a simple control panel in the PodWare application allows you to set such things up.

Reliability

Sentinel has been built on a hardware and software platform which has been field tested for several years and proven to be extremely reliable. But, just in case of any problems, a hardware Watchdog monitors the operation of the software, and will cause the processor to do a hard reset and restart if any problem is found.

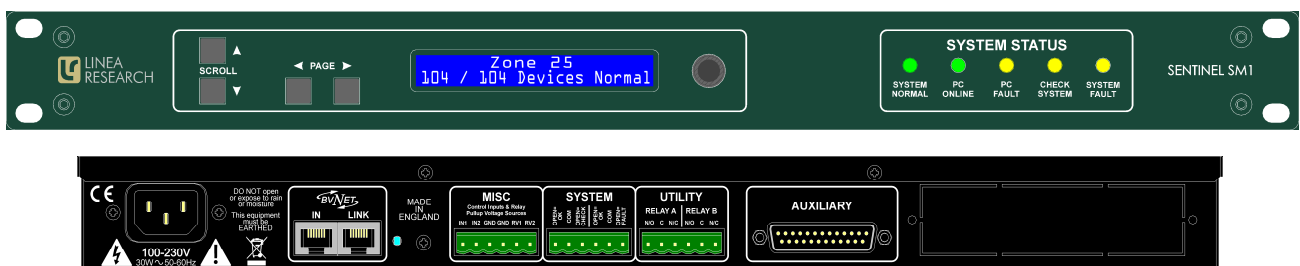
PodWare Application

The companion PodWare PC Windows application uses a small panel called a *MonIcon* to display all the important status information about the SM1 at a glance. From this small panel it is possible to see the overall system status. The full control panel is only one click away from the MonIcon. From the full control panel, it is very simple to adjust the finer details of Sentinel's operation. In most cases however, there will be no setting up to do.

Security

The SM1 has a hidden Secure button on the rear panel, which causes the front panel controls to become inoperative and thus tamper-proof.

Panel Views



Technical Specifications

Power consumption: 25W max.

Connectors

Misc:	6 pin Phoenix
System:	6 pin Phoenix
Utility:	6 pin Phoenix
Network:	2 X RJ45
Auxiliary:	25 Pin D female
Mains:	3 pin IEC

Environmental

Temperature:	0 to +55°C
Humidity:	0 to 80% RH (non-condensing)

Dimensions

Height:	44mm
Width:	482mm
Depth:	254mm
Weight:	2.7kg net

Regulatory compliance

This product complies with the relevant European Community Directives. Compliance with these directives implies conformity with the following European standards:

- EN55103-1 Electromagnetic Interference (Emission)
- EN55103-2 Electromagnetic Susceptibility (Immunity)
- EN60065 Electrical Safety

Sentinel also meets the requirements of UL6500 (Electrical Safety) and FCC part 15B (EMC).

This product is intended for operation in the E2 (commercial & light industrial) and E3 (urban outdoors) Electromagnetic Environments. E&OE