



FEATURES

- Continuously scans for ASCII keywords or phrases
- Monitors data from existing serial or parallel ports
- Monitors for periods of unusual inactivity
- Sends alerts via telephone, wireless phones, radios, or pagers
- Sensitive to day-of-week

OVERVIEW

The Model 1570 SentriData is the state-of-the-art ASCII data alarm system from Zetron. The user connects the SentriData to a process control computer or other intelligent device, typically through the logging printer port. When the SentriData detects a selected string, it sends alerts to a prioritized list of contacts.

The alerts may be a telephone call using a prerecorded message to a telephone or cellular phone, a message to a private radio, or a pager. The SentriData will continue to send alerts at predefined intervals until it receives an acknowledgment.

APPLICATIONS

At least some aspect of most organizations operate continuously. There are usually procedures for handling unexpected situations and emergencies. Some organizations have a security person on duty tasked with logging events and calling a contact list in case of defined emergencies. Other organizations use monitoring equipment that does the same functions. There are a few problems with these procedures:

- **Degrees of Urgency** – Not all “situations” are true emergencies. Sometimes, a series of small

incidents can indicate an impending emergency. A complex decision tree in a procedure manual exceeds the skills of many security personnel.

- **Personnel Issues** – Security personnel need breaks, new employees need training on procedures, and security procedure manuals get lost. In addition, the personality of the individual affects their willingness to call. Some individuals are reluctant to call executives for what they believe may be minor issues while others call for everything.
- **Reprogramming Monitoring Systems** – Sophisticated control software can manage a complex system, but implementing even minor changes to calling priorities often requires a highly-skilled programmer.
- **Flexibility of Alarming Options** – Most monitoring equipment can only make telephone calls. Very few have the ability to make contact via radio. Also, few contact lists are sensitive to weekends and holidays.

SENTRIDATA SOLUTION

Zetron's SentriData is a solution to achieve flexible alarming. A user runs the SentriData Configuration Utility to set the keyword strings and the associated priority call list. The Configuration Utility runs on a PC with Microsoft Windows®. This software program creates a file, which the local operator downloads into the SentriData over an RS-232 cable.

The user configures the intelligent device to send data, such as a log file, to a printer port. The user connects the SentriData to this port. The SentriData monitors all data through the port, but ignores the data strings that are not “active”. When the SentriData finds an active string, it alerts the preprogrammed contact list specified within the configuration in the prescribed manner.

The SentriData does not forget procedures, lose

the emergency procedure manual, take breaks, or need retraining. It will faithfully call the list until acknowledged. The programmer can set, at preprogrammed intervals, far more complex decision trees into the SentiData than a security guard could implement in an emergency.

Application Connection Options

The purpose of the SentiData is to connect to intelligent equipment and act as the "sentry" to monitor for pre-selected messages and alert appropriate personnel. Many applications have a logging printer that records all activity. The SentiData operates along with a logging printer, physically connecting using an RS-232 interface, an RS-485 interface, or in series with an IEEE 1284-compatible printer port.

The SentiData actively monitors many strings simultaneously. The system can monitor a variable number of strings depending on length. Each string may have its own contact list. The SentiData also has the ability to monitor for an unusual period of inactivity.

Alarm Communication Options

Every keyword has its own discrete calling priority list. Each contact in the priority list can have their preferred contact method with separate lists for regular workdays and holidays.

The contact method can be a voice message to a telephone, a cellular phone, or a voice radio. The SentiData can also send a numeric or alphanumeric page. The user programs the message which will typically indicate the nature of the alarm string that triggered the alarm. The message can be formatted with information directly from the monitored device. The SentiData will sequentially call down the list until a user enters the proper acknowledgment using DTMF tones.

The SentiData includes an audible alert and a flashing LED to alert local personnel. The configuration could allow these personnel to acknowledge the alert by pressing the acknowledgment button located on the front panel.

SPECIFICATIONS

AGENCY COMPLIANCE

EIA standards for Electrostatic Discharge (ESD)

Compliant with FCC Part 15 for Electromagnetic Interference (EMI)

Compliant with FCC Part 68 and IC for Telephone Interfaces.

PHYSICAL

The hardware is to be rack mounted in a 19" rack.

Size 19" x 7.25" x 1.75"

Temperature 0 to 70 degrees C

Weight approximately 3 pounds

LED indicators of unit status: Alerting, Receiving Data, and Power

POWER

10.5-16VDC or 9VAC

KEYWORD STRING CAPACITY

Dynamic configuration allows SentiData to adjust to the application. For example, 350 strings of 40 characters each can be monitored and share 10 call lists, or 275 strings of 80 characters each can be monitored and share 10 call lists.

CONNECTIONS

Telephone Interface with Modem

RJ-11 connector

Ringer equivalents 1.2B

Automatic line seizure

Radio Interface

PTT Output relay to ground < 300 mA max
Normally open or closed position

Output level 50 mV to 3 Vpp
Adjustable with two gain ranges

Output impedance < 700 ohm at 1 kHz

- Flat audio in and flat audio out
- COR adjustable from 0.1 to 4.5VDC

Paging options

Two-Tone, POCSAG and 5/6 Tone

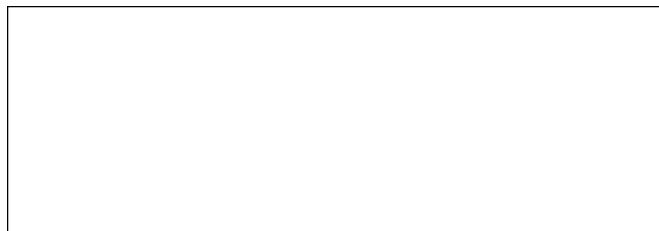
Local monitor and control

RS-232 configuration port

OPTIONS

6, 30, or 60 minutes of user programmable voice for a total of 3600 recorded messages

For more information on this and other Zetron products, contact:



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See Zetron price list for option pricing.

Specifications subject to change without notice.

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