



Intelligent Alarm Notifies the Right Person Right Away

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INTRODUCTION

This application note demonstrates how SEL products provide the means to monitor alarm sensors and send out intelligent alarm notification as an email or a phone call, even acting as a low-cost backup system for activating redundant sirens or strobe lights. The SEL solution provides intelligent alarm notification for a sensor that detects unauthorized access to windows or doors.

PROBLEM

Because of the exponential growth in the number of alarm signals and the declining work force or limited availability of on-site people, getting the alarm notification to the right person right away is often too costly or too complicated.

SEL SOLUTION

The SEL-3010 Event Messenger, the SEL-2890 Ethernet Transceiver, and the SEL-2523 Annunciator Panel create an alarm notification system that attaches to existing alarm sensor signals, enabling you to send out messages such as email or even text-to-speech messages along with the voice annotated data. The SEL-2523 is also able to output control signals to activate strobe lights or audio alarms.

The SEL-3010 provides station alarms and event notification by telephone or cellular phone. The SEL-2890 converts serial communications to Ethernet and provides email notification of alarms. Both the SEL-3010 and SEL-2890 work with the SEL-2523 to convert input alarm sensor data and convert these input signals into intelligent alarm notifications. The SEL solution increases your operations staff effectiveness by delivering critical messaging directly to mobile staff.

The SEL intelligent alarm solution also provides simple and low-cost backup channels to existing system alarm functions, providing an effective backup of the transmission of alarms in the event of system equipment or communications channel failures or malfunctions.



Figure 1 Cell phone alarm notification

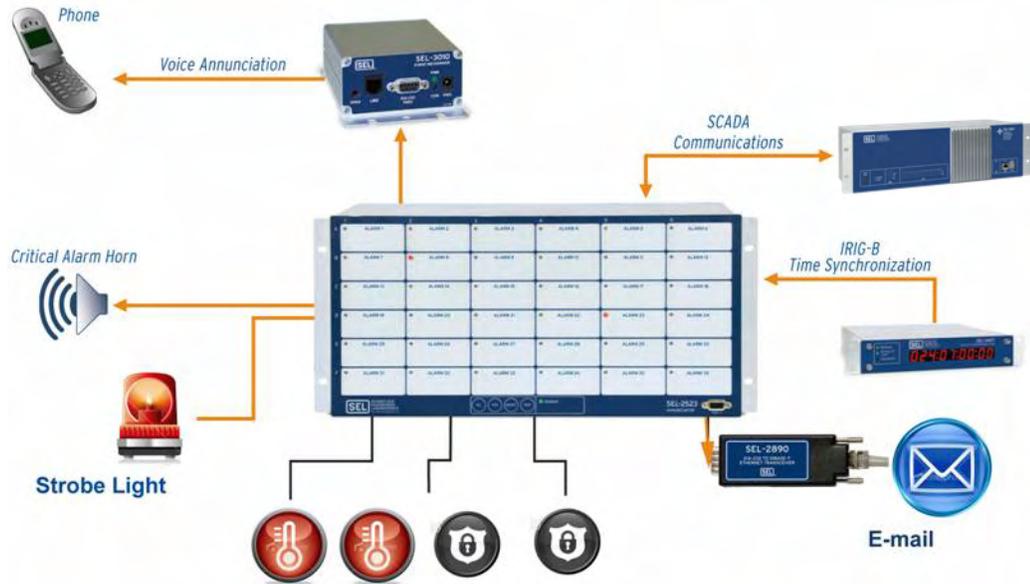


Figure 2 Example security system alarm panel

The alarm monitoring is able to use existing standard telephone lines, cellular phone links, or email Ethernet channels rather than leased lines or digital communications channels to transmit data from sites where alarm system equipment or full-time communications are prohibitively expensive.