

The Benefits and Economics of System Enhancement Keltron DMP703 Alarm Monitoring System Upgrade

Keltron's DMP703 alarm monitoring systems provide the flexibility and interoperability to enhance existing systems in a wide range of applications. The system's highly detailed, mission critical data enables the operators at protected sites to provide the fastest, most accurate event response life safety events.

Keltron systems are universally compatible, using all existing wiring, related hardware and signals (un-coded and coded to provide essential information in exactly the required format. These following summaries illustrate how Keltron systems upgrades provided easy, low-cost solutions without the largest expense component of most upgrades: labor.

➤ Multi-Building Hospital

Several Keltron DMP703 alarm monitoring receivers were essentially 'dropped in' to replace old punched tape registers. Operators and dispatchers now receive an accurate display of code and circuit numbers and immediate information on event location and special instructions. Because the Keltron system replaced only the punched tape equipment, the existing components - pull boxes, wiring, etc. - remained in place and operational. The hospital achieved high ROI with a minimum of effort.

➤ Nursing Facility

The addition of a Keltron DMP703 alarm monitoring system provides operators and floor-station personnel essential information about each resident for emergency events as well as room location in the event of fire. The system enables the facility to demonstrate these capabilities to prospective clients, increasing enrollments and delivering revenue.

➤ Residential Apartment Building

This facility's original system sent only numbers to a single monitoring location. Their Keltron DMP703 system upgrade automatically provides complete, site-specific information to the central monitoring station as well as to remote dispatching stations using modem links. In addition to improving the quality of received information, the Keltron system enabled this facilities manager to reduce personnel requirements and save time and expense.

➤ Health Care Facility

This facility used multiple fire alarm control panels (FACPs) to protect the facilities buildings. Each alarm event required manual intervention to notify the fire department via telephone or coded alarm (cottage box). With the Keltron alarm monitoring system, contact closures and coded alarm inputs automatically produce a hardcopy printout for local dispatching as well as permanent records. The system now re-transmits coded signals directly to the fire department ensuring fast, accurate event response.

➤ Airport

Before the installation of a Keltron receiver, on receipt of coded alarms, this airport's events generated only zone numbers, which were re-transmitted to the local fire department via the coded signal loop. Using the Keltron system, dry contacts are monitored and supervised by the DMP703 receiver alerting local personnel with English text message/instructions. The system now automatically enters event-specific coded signals onto the box loop for each alarm activation.

➤ **Hospital Campus**

In campus facilities, alarm equipment may be augmented and expanded by different people at different times. One hospital's existing campus-wide system consisted of a complex mix of remote serial 80 character annunciators plus two FACPs and a multitude of bells, buzzers, and lights for environmental as well as alarm monitoring. To simplify and upgrade this unwieldy and inefficient system, the facility purchased Keltron's DMP703 alarm monitoring system to monitor the serial point addressable outputs of two new FACPs using the distributed multiplex method. On the same wiring are two contact-input Keltron PET408s that receive signals from a variety of other inputs. The system now presents all events to the operator on a single touch screen text display for information and response instructions. Remote equipment is activated automatically by event as programmed on site.

➤ **Proprietary Central Station - UL Fire**

The Keltron DMP703 alarm monitoring system is UL-listed as a Proprietary Supervising Station Fire Alarm System. Our systems are installed in a variety of applications where the facilities owner/manager is required to comply with industry standards and codes. Facilities such as industrial and chemical plants and assisted healthcare residences use the field programmable control-by-event and on site signaling output capabilities to minimize their response time.

➤ **Universal FACP Networking**

Many multi-building facilities have FACPs from multiple manufacturers for a variety of reasons such as acquisition of another company or changing preferences. Keltron's distributed multiplex system interfaces with multiple FACPs from various manufacturers on a single party line with Class A, style 7 performance. Initiating device inputs can be contacts or serial data, leveraging the full addressable capabilities of the FACPs.

➤ **Remote Monitoring of Multiple Systems**

A single Keltron DMP703 system can act as the operator interface for many independent Keltron systems. Keltron's applications include diverse environments such as a high-rise office complex with a few individual towers and a county agency monitoring 28 towns through 14 systems. The individual remote systems communicate serially with the central monitoring system. RS232, RS422, and/or modems are used depending on the distances involved. In all deployments, every system can operate on an independent basis while providing full backup in the event of a failure at the central monitoring station.

➤ **Access Control System to Coded Signals**

The access control system at this facility sends out an RS232 data string to the installed Keltron DMP703 receiver. From this data string, the DMP703 determines the input circuit assignment, number of rounds, transmission speed, and the code to be transmitted, providing detailed information to the operator.

Keltron develops and manufactures universally-compatible, UL listed life safety event management systems for the municipal and proprietary markets. Solutions include Ethernet signaling systems, active network radio systems, distributed multiplex systems, digital communicator/receiver systems, and direct wire systems. This document is not intended for installation or maintenance purposes. All specifications are subject to changes without notice. For more information visit www.keltroncorp.com or contact us at 781-894-8710.

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