

Applications for Keltron's DR703Le Remote Supervising Station DACR

Keltron's DR703Le provides multiple monitoring functions for a wide variety of applications. The following are examples of situations that benefit from the DR703Le:

Off-site signaling

Keltron offers an optional, fully supervised configuration that provides outputs for all system faults, module failures and errors. Data and hardware outputs enable an operator at a remote location to monitor all incoming events and general system integrity. Full system supervision encourages confidence in overall system integrity for facilities managers who must operate the system from an unmanned location.

Reporting DACT alarms to fire alarm control panels (FACPs)

Keltron's DR703Le digital communicator receiver accepts alarm signals through a dial-up network from digital alarm communicator transmitters (DACTs) located in remote facilities and buildings. Automatic hardware outputs energize in response. A master FACP monitors each DR703Le relay output, using a separate input module, and annunciates the alarm including identification of both the originating location and the type of event.

Interfacing DACTs to a central station using a master DACT

A similar application substitutes a master DACT for the FACP in the above example, utilizing the DR703Le as a multiplexor. All DACTs at the multi-building complex report to the master DACT through the DR703Le prior to transmitting off-site to a contract central station for monitoring. This enables the customer to pay for monitoring a single account as opposed to paying for monitoring each building individually.

Home incarceration monitoring

Transmitted signals can be periodically monitored to confirm the presence of an individual at a particular location such as a residence. If the operator does not receive the signal within its assigned period, the DR703Le senses its absence and annunciates it as an event.

Assisted living supervision

As part of his or her prescribed routine, an assisted living resident must manually initiate a signal to the receiver before a pre-determined time each day. If the signal is not received by the appropriate time, the receiver annunciates an alarm to notify on-duty personnel to confirm the resident's well being.

Annunciator driver

The DR703Le digital receiving system may also function as an annunciator driver for applications that require on-site notification only.

Touch screen capabilities for operators

The DR703Le's touch screen display provides reliable acknowledgment and printing of dispatch instructions. Both audible and printed indications notify the operator of any internally detected faults or malfunctions in supervised modules. The touch screen display also enables an operator to:

- Initiate alarm status check of any account/zone combination in rotation, without waiting for its sequential appearance - useful in large systems
- Print or display the edited database to check its validity before receipt of the actual event
- Print a summary list of all account/zone combinations that appear in the sequential rotating display
- Initiate out-of-service for an account to eliminate annunciation and ignores runaways
- Initiate test mode for an account, ensuring printed documentation of the received signals without operator involvement, aiding installation.
- Initiate mode normal accounts to enable monitoring
- Program event code tags from the keyboard for prioritized reporting, useful for simultaneous receipt of multiple events.

Additional functionality

Using field-programmable outputs of the DR703 such as relays, open collector transistors, RS232C and coded signals, it is possible to interface with and integrate all of the functions below into a single, centralized alarm monitoring system:

- Pocket pager/beeper systems
- Tone generators for public address systems
- FACP networks
- Voice evacuation systems
- Access control systems

Keltron develops and manufactures secure, reliable, UL-listed fire and security alarm response management systems and components for the municipal and proprietary life safety markets. Products include radio fire alarm, coded fire alarm and high-line security systems, digital alarm receivers, universally compatible fire alarm control panel networking solutions and a full line of alarm annunciators. For more information, visit www.keltroncorp.com or contact us at 781-894-8710 X 26, or info@keltroncorp.com.