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Data sheet

KELTRON

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DR703Le Remote Supervising Station DACR



Cost effective

Reliable

Flexible

Keltron's DR703Le remote supervising station digital alarm communicator/receiver (DACR) accepts alarm signals via the dial-up telephone network from digital alarm communicator transmitters (DACTs), enabling an operator to monitor those alarms from a remote site.

This low cost, scalable and highly reliable alarm monitoring and dispatch system is particularly effective for offsite monitoring of homes, businesses and distant sites from a remote location. The DR703Le enables efficient monitoring of many DACTs in a large campus or complex by providing event-specific information and response instructions. Capable of interfacing with a large central station computer the DR703Le enables reliable, cost-effective monitoring of thousands of individual sites.

Configured with Keltron's powerful alarm monitoring processors and line card unit, the DR703Le is the only remote station DACR that provides a field-programmable database that supports hardware data outputs for integration or remote monitoring.

DR703Le benefits

Cost effective - uses existing and ubiquitous telephone lines for transmission

Reliable - based on Keltron's field-proven flagship DMP703 alarm monitoring system

Flexible - enables the simultaneous reception of multiple input technologies

DR703Le features

The DR703Le provides numerous unique features such as ability to receive signals from DACTs that do not send a different check-in signal when un-restored inputs exist as now required by U.L. Other features include:

- Prioritized event reporting
- Dialer out-of-service mode allows operator to ignore runaway dialers
- Dialer test mode allows dialers to be tested without interrupting the operator
- Daily test supervision on/off for each account
- Adjustable timer for each in field account (1 - 168 hours)
- Events appear in sequential rotating display until restored to normal
- Dial-up status check on any account/zone in rotation
- Summary printed list of all accounts/zones in rotation
- Field-programmable database
- Event location/response displays messages in English
- 7" CRT touch screen display with integral red/black printer
- System interconnections use standard RS232C cables

DR703Le

SPECIFICATIONS

Display	Fully field programmable English text messages on 7" CRT touch screen
Account programming	40 line x 32 character account message 4 line x 32 character zone messages 16 character event code descriptors
Alarm display	7 lines/screen; 32 characters/line
Screen	Green phosphor with direct etch for low fatigue, glare-free viewing
Printer	Dot matrix, ink ribbon, impact; 3" wide plain paper, fanfold or roll
Capacity	32 columns/line, 4 lines per event
Color	Black and Red ink, field programmable
Speed	2.2 lines/second
Controls	Touch screen operation. Security lock and reset are the only mechanical switches.
Functions	Up to 16; vary with each menu. Includes alarm acknowledge, manual paper feed, manual entry for message review, etc.
Audible signal	Announces alarm receipt or error conditions in conjunction with printed messages. A separate internal audible sounds upon CPU failure.
Supervision	Phone line(s), line card(s) LCU2e cable connections, CPU operation, printer.
Memory	Nonvolatile RAM based; 3 meg max.
Event buffer	128 unacknowledged events
Output capacity	2-circuit auto/manual coded transmitter 512 form A relays - 100V or 1A; 10VA max. 768 open collector outputs - 100 mA max. 16 low-speed (300 baud) serial channels

OPTIONS

- Field assignable, automatic coder, relay or transistor control-by-event hardware outputs (drives annunciators or third-party equipment directly from DACT inputs)
- Automation computer interface
- Dialer history with opening and closing records
- Database remote programmability-includes database storage on PC with restoral capabilities
- Multiple operator positions
- Pocket pager interface
- Remote printer interface
- Accepts inputs from other technologies
- Interface to monitor third-party DACRs
- Master clock interface
- Manual coded/non-coded output controls
- Slave CCTV monitor displays
- Output deactivation modes

Power	DMP704/CP703VP-24 VDC input at 1.5A avg. LCU2e-24 VDC input at 160 mA avg.
Dimensions	DMP704/CP703VP - 7"H x 19"W x 21"D LCU2e - 1.75"H x 19"W x 11"D PS740-3 power supply- 5.25"H x 19"W x 12"D
Telephone lines	Accepts maximum of 16 telephone lines
Communication specifications	
Type	Pulse, DTMF, FSK
Reception speed	10, 20, 40 pps (dual round or checksum)
Handshake & kissoff	1400 Hz/2300 Hz
Pulse frequency	1800 Hz/1900 Hz

The LCU2e line card (10M2002) accepts the following digital dialer formats:

Sescoa, Vertex,	
DCI, Franklin Fast	3x1 20 pps and 3x1 extended
Ademco, S.K. (slow)	3x1 10 pps and 3x1 extended
Omega (Radionics Hex)	3x1 40 pps and 3x1 extended
Acron	4x1 20 pps and 4x1 extended
Silent Knight (Napco)	4x2 20 pps
Sescoa Super Speed	4x3 40 pps
FBI SuperFast	DTMF
Sru-Gard	DTMF
Ademco Hi-Speed	DTMF
Ademco Express	DTMF
Ademco Contact-ID	DTMF
CFSK (C & K)	MODEM
VFSK (Optex/Varitech)	MODEM
SIA	MODEM
Radionics	MODEM IIIa2
Radionics	BFSK



Figure: LCU2e

The LCU2e has three LEDs on the front providing constant indication of line card status as follows:

- Power LED (green) indicates power present at the line card. Should be on at all times during operation
- Line one LED or line two LED (both red) each indicate an off hook condition when on steady and indicates a loss of phone line when flashing.

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.

