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Datasheet

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Keltron DR703Le4 Remote Supervising Station DACR



Cost effective

Reliable

Flexible

The Keltron DR703Le4 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 Keltron DR703Le4 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 Keltron DR703Le4 enables reliable, cost-effective monitoring of thousands of individual sites.

Configured with Keltron's powerful alarm monitoring processors and line card unit, the Keltron DR703Le4 is the only remote station DACR that provides a field-programmable database that supports hardware data outputs for integration or remote monitoring.

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

Features

The DR703Le4 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

Keltron DR703Le4

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	2.4 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) LCU2e4 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. LCU2e4-24 VDC input at 80 mA avg.
Dimensions	DMP704/CP703VP - 7"H x 19"W x 21"D LCU2e4 - 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 LCU2e4 line card (10M2007) accepts the following digital dialer formats:

Sescoa, Vertex,	
Franklin Fast	3x1 20 pps and 3x1 extended
Ademco, S.K. (slow)	3x1 10 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
Sur-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

*The Keltron DR703Le4 supports SIA 1997 compatibility level 1a.



Figure: LCU2e4

The LCU2e4 has three LEDs on the front providing constant indication of line card status as follows:

- Comm Fail LED (yellow) blinks for receiver connection fault.
- Line one LED or line two LED (both red) each indicate the idle power-on condition when on steady, busy off hook when flashing fast, and loss of phone line when flashing slow.

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.