

Keltron Serial Dialer Digital Alarm Communicator Transmitter



- Enables Pinpoint Off-Site Alarm Annunciation
- Provides Monitoring for Existing Systems
- Provides Universal Serial Interface Protocol

The Keltron Serial Dialer is a unique solution that interfaces with emergency call, access control, building management and other systems to enable an appropriate and instantaneous response from personnel at a central or remote monitoring location. The Keltron Serial Dialer provides a bridge to an on- or off-site central station-style digital receiver through the dial-up public switched telephone network (PSTN).

Systems providing data output can now be monitored remotely using standard equipment and telecommunications infrastructure. Systems lacking relay or hardware outputs that could not signal a central station, can now use the Keltron Serial Dialer to send those signals.

How the Keltron Serial Dialer works

The serial dialer accepts pre-defined ASCII RS232 data strings and converts it to SIA, a standard, digital receiver-compatible, alarm-reporting format.

Keltron Serial Dialer features

The Keltron Serial Dialer is comprised of a powerful microprocessor, an ASCII data-to-SIA converter and a seven-zone digital communicator. This unique communicator includes both seven hardwired zone inputs and an RS232 serial port.

- The RS232 port adds reporting of all available additional information that enables accurate monitoring of event type and location identification.
- Test code call-in cycles are programmable and both normal and off-normal condition test codes are transmitted as appropriate. A manual test button is also included.
- The RS232 port is personality-matched to the intended data source through a software interface. When the monitored system can support it, this may include communications supervision and interruption reporting.
- Transmits signals in industry standard SIA format.
- Zones 1-4 supervised EOL, suitable for fault-contact monitoring
- Zones 5, 6 and 7 are available for loss of ac and battery fail indications, which are also reported using standard SIA event codes.
- Local LEDs and audible devices clearly indicate Serial Dialer status.
- Provides a programming utility that requires only a PC or laptop with serial port and a cable.

15:36:09 15:36:09 15:36:09
05/05/08 05/05/08 05/05/08
15:36:09 15:36:09 15:36:09
05/18/08 05/18/08 05/18/08
20:36:09 20:36:09 20:36:09

Specifications

Phone lines: 2 RJ-45 receptacles
Hardwired zone inputs: 7 (4-EOL resistor supervised)
EOL resistor value: 10K Ohms
Maximum input line resistance: 100 Ohms
Relays: 2 SPDT, 1 common alarm, 1 common trouble
Contact ratings: 2A @ 30VDC
LED Indicators:
One green 24VDC power indicator
One yellow external power source monitor trouble
One red zone alarm for each supervised zone input (4 total)
One yellow zone trouble for each supervised zone input (4 total)
One red serial port event pending transmission alert
One yellow serial port fault alert
One yellow line trouble for each telephone line (2 total)
One red line active for each telephone line (2 total)
One red relay active for each relay (2 total)
Audible device: rated at 92 DB
Ringer equivalence: 0.1
FCC registration # US: KELAL01ASFDACT

User controls

Jumpers (8 total):

- J1 & J2 configure RS-232 port handshake lines.
- J3 audible device disconnect jumper will physically disconnect power from the audible device
- J4 if removed disable supervision of serial port.
- J5-J7 set the normal condition of auxiliary power monitor (zones 5-7 respectively)
- J8 installed - sets 2 hour transmission delay for zone 5 (AC power fail), uninstalled - sets no delay

Pushbuttons: reset, manual test, silence, program

Supported interfaces - call for latest list

SysTech COMP2 personality
TechWorks - Div. United Comm Tech COMP2 personality @ 2400, 8, N, 1
COMP2 personality, burglary Event code fixed, AMAG Pro/32 System, access control V5
Jeron 610-6861, Visiplex 2100/3100
Keltron Universal Serial Interface Protocol

User-programmable items

Number of telephone lines to be used
Primary telephone number
Secondary telephone number
Sends trouble signals to secondary phone#
Primary account number
Secondary account number
Daily test time-of-day
Daily test check-in interval
Event codes for all zones
Real time clock

SIA transmitter:

Transmit all events that are in the SIA transmit queue (multiple events per call), per SIA Digital Communication Standard of November 1991. Transmissions will be in accordance with the requirements of a Level 1 transmitter as defined in Section 5 (compatibility), Table 3 (SIA digital compatibility levels) - (SIA20).

Power requirements

Power input - regulated or unregulated, filtered
20.4 to 27.5VDC
Power requirements - Idle and Alarm: 75mA, 200mA all alarm or lamp test
Size of PC board: 6" H x 10.5" W

Weight: 11 oz

Enclosure information: 14" H x 17" W x 4" D
Exterior gray textured surface with removable door

Download Utility Requirements

Windows 98, 2000, XP

Ordering options

For those applications that require it - Keltron has a UL-listed Fire Dialer.

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.

