

## **Keltron SDACT-2 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 SDACT-2 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 SDACT-2 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.

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](http://www.keltroncorp.com) or contact us at 781-894-8710.

15:36:09 15:36:09 15:36:09  
07/26/12 07/26/12 07/26/12  
15:36:09 15:36:09 15:36:09  
05/18/12 05/18/12 05/18/12  
20:36:09 20:36:09 20:36:09

## Specifications

**Phone lines:** 2 RJ-45 receptacles

Line seizure via RJ31x jacks by others

**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:** KELAL00BSDACT-2

FCC certified for PSTN connection

## 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

**97P1411SD2** COMP2 protocol @ 9600 baud - data derived zone number - event code fixed to Medical Alert (MA)

**97P1412SD2** COMP2 protocol @ 2400 - data derived zone number - event code fixed to Medical Alert (MA)

**97P1413SD2** COMP2 protocol @ 9600 baud - data derived zone number - event code fixed to Burg (BA)

**97P1414SD2** COMP2 protocol @ 9600 baud - data derived zone and event code

**97P1421SD2** Hybrid protocol @ 9600 baud - data derived zone number - fixed Medical alert (MA) event code or data derived Fire Alarm (FA) event code

**97P1501SD2** Keltron Universal Serial Interface Protocol @ 9600 baud - supervised SIA or Contact-ID data protocol - data derived zone and event code

## 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 draw:** 75mA Idle, 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

## Programming and Monitoring Port

DB-9F RS-232

## Ordering options

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

