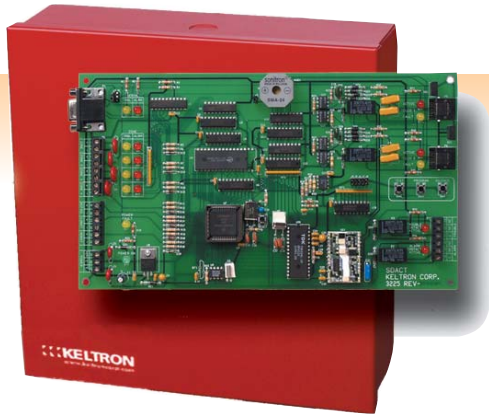


## Keltron Fire Dialer Serial Digital Alarm Communicator Transmitter



Enhances FACP Performance

Allows Point-Specific Fire Alarm Reporting

Enables Pinpoint Off-Site Annunciation

**K**eltron's Fire Dialer is a unique solution that interfaces with fire alarm control panels (FACPs) and enables an appropriate and instantaneous response from personnel at a life safety event-monitoring center. The Keltron Fire Dialer provides a remedy for today's FACPs that cannot report point-specific and critical fire alarm information to an on- or off-site central station-style digital receiver through the dial-up public switched telephone network (PSTN).

### How the Keltron Fire Dialer works

From the FACP, the Fire Dialer accepts data that was originally intended for a printer or CRT and converts it to a standard, digital receiver-compatible, alarm-reporting format using unique personality module software. The Fire Dialer enables intelligent and addressable FACPs that do not have a PSTN-compatible, point-ID capable, dialer/communicator, to report critical, point-specific fire alarm information. In the unlikely event of a serial port failure, the Fire Dialer's seven input zones ensure that event signals are transmitted to indicate the global event type such as fire, trouble, water flow or supervisory. These signals are provided by contact outputs from the panel that are monitored through the ultra-reliable hard-wired connection provided by the zone inputs.

### Keltron Fire Dialer features

The Keltron Fire 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.

- Primary alarm reporting is accomplished with the four EOL-resistor supervised zone inputs by monitoring the alarm, trouble, and optionally the water flow and supervisory output contacts from the FACP.
- The RS232 port adds detector-specific reporting of all available additional information that enables accurate monitoring of event status, panel status, and fire progression.
- Transmits signals in industry standard SIA format.
- 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.
- Provides a programming utility that requires only a PC or laptop with serial port and a cable.
- The RS232 port is personality-matched to the intended data source through a software interface. When the monitored FACP can support it, this may include communications supervision and interruption reporting.
- 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 Fire Dialer status.
- General alarm and general trouble relay outputs provide trouble indication for local annunciation at the FACP per UL864.

15:36:09 15:36:09 15:36:09  
01/24/12 01/24/12 01/24/12  
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:** KELAL01ASFDACT

## User controls

### Jumpers (8 total):

- J1 & J2 configure RS-232 port handshake lines set according to the FACP being monitored.
- J3 audible device disconnect jumper will physically disconnect power from the audible device
- J4 if removed disable supervision of FACP serial port (SDACT only) set according to the FACP being monitored.
- 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

## Compatible FACPs

CWSI CP-3000D  
Edwards EST-2, EST-3 and IRC-3  
FCI 7100 series (7100-1, 7100-2, 7100-1D, 7100-2D)  
FCI 7200 series  
Gamewell IF 600 Series  
Mirtone MIR-2  
Siemens MXL/MXLV

Consult factory for additional interfaces

Keltron develops and manufactures universally-compatible, UL listed life safety event management systems for the municipal and proprietary markets. Solutions include Ethernet (IP) signaling systems, active network radio systems, distributed multiplex systems, digital communicator/receiver systems, and direct wire systems. For more information visit [www.keltroncorp.com](http://www.keltroncorp.com) or contact us at 781-894-8710.

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## 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 24VDC 20.4 - 27.5 VDC acceptable range

**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 red textured surface with removable door

## Download Utility Requirements

Windows 98, 2000, XP

## Ordering options

The Keltron Fire Dialer is available in two versions:

The Serial DACT (SDACT) includes a seven zone digital communicator and an RS232 serial interface port for connection with addressable FACPs to enable point specific event reporting.

The Fire DACT (FDACT) is a seven zone, slave fire alarm, digital dialer/communicator.

Both models include a serial upload port, CD for easy programming and user manual.

## Regulatory Compliance

UL 864 Listed 9th Edition  
NFPA 72 compliant  
FCC certified for PSTN connection

