AUTOCALL

*UL, ULC Approved**

System Accessories

Panel Mounted Digital Alarm Communicating Transmitters with Serial Communications (SDACT)

Features

UL 864 listed per NFPA 72, National Fire Alarm and Signaling Code, for Central Station Service:

- Operation is listed to UL Standard 1459 *Telephone Equipment*
- Registered to FCC Part 68

Dual telephone line interface:

- Requires Data Certified POTS lines
- Also compatible with DACT to Ethernet connection interfaces (refer to SDACT DACR Compatibility Reference)

Mounts internally to Autocall models:

- 4007ES, 4010ES, and 4100ES
- For Network applications, select a 4100ES node for Network SDACT status reporting when available

Provides specific building event information:

- Communicates point status changes, phone line status, and other off-normal information
- Reports up to ten events per phone call

Provides programmable control for:

- Automatic 6 hour test
- Power fail report delay

SDACT status indicators include:

- Panel LCD indicates off-normal status
- Module LEDs provide service diagnostics

Description

Serial DACT.

Autocall serial digital alarm communicating transmitter (SDACT) modules monitor the status of the host fire alarm control panel and its connections to the Central Station monitoring location. When status changes require information to be reported, the SDACT provides detailed messages that can assist the Central Station in accurately implementing the required response. Typical information reports include alarms, troubles, and supervisory conditions. Model series 4007ES, 4010ES, and 4100ES provide specific point information.

SDACT modules directly communicates with the fire alarm control panel CPU and are custom programmed for the specific requirements of the Central Station and the connected fire alarm control panel.

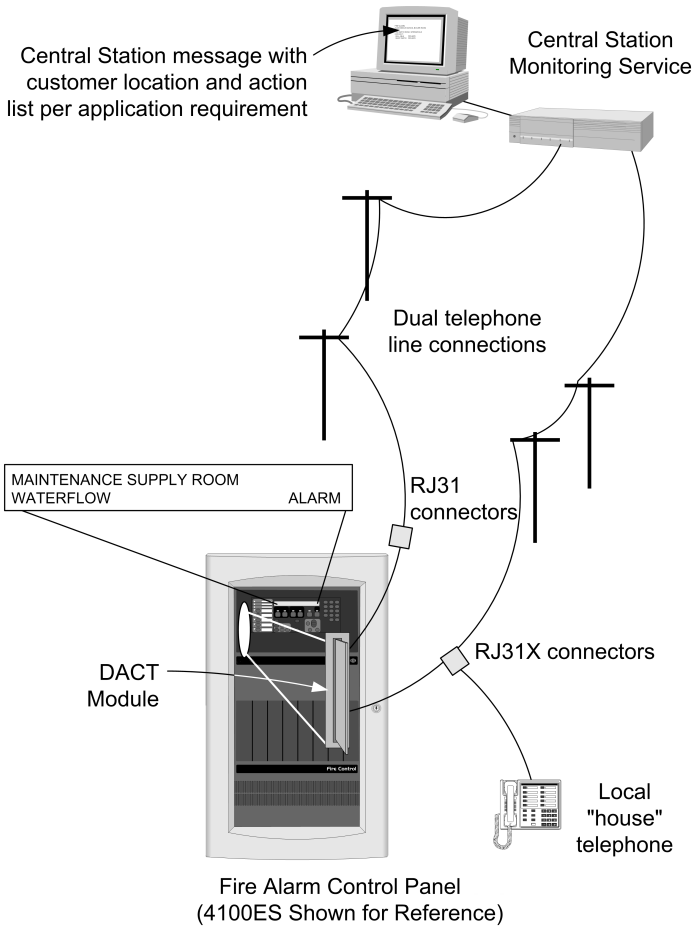

Figure 1: SDACT Application Diagram

Available Reporting Formats

Contact ID (CID). CID is the preferred format for SDACT operation. It provides a four digit account code followed by a three digit event code, a two (hex) digit group number, and a three (hex) digit contact number, all of which are used to encode specific point identification.

3/1 Pulse. A three digit account code followed by a one digit reporting code. Transmissions are sent as a double round at a rate of 20 PPS (pulses per second). Reporting codes are programmable.

4/2 Pulse. Similar to 3/1 except for a four digit account code and a two digit reporting code. Transmission is sent as a double round at 20 PPS. Report codes are programmable.

BFSK. Three digits of account code and two digits of reporting code in a single transmission of constant tones. The format has built-in error checking so that a double round is not required. Reporting codes are fixed.

SIA. Security Industry Association (SIA) Digital Communication Standard. The SDACT provides level 1 compatibility which includes tonal acknowledge, basic reports only, and fixed reporting codes.

* Additional listings may be applicable; contact your local product supplier for the latest status.

SDACT Product Selection and Reference

Table 1: SDACT Product Selection and Reference

SKU	Fire Alarm Control Panel	Mounting Location	Panel Data Sheet Reference	Installation Instructions	Description
A100-6052	4100ES	Single 2" slot module	*AC4100-0031*	574-836AC	Digital Alarm Communicating Transmitters with Serial Communications (SDACT)
A100-6080	4100ES with EPS	Left side of CPU bay end support or left side of an expansion bay	*AC4100-0100*		
A010-9912	4010ES	Block D	*AC4010-0004*	579-954AC	
A007-9806	4007ES	Lower right corner of cabinet mounted flat with included 650-1838 mounting bracket	*AC4007-0001*	579-954AC	

Specifications

Table 2: General Specifications

Specification	Detail
Voltage	18-32 VDC, from panel
Current	Standby = 30 mA; Report Mode = 40 mA
Point Capacity	4000 points maximum **Note:** Information received is determined by capability of the digital alarm communicating receiver (DACR) and communication format used.
4100ES SDACT Capacity	Up to 2, A100-6052 SDACTs can be selected
Operating Temperature	32° F to 120° F (0° C to 49° C)
Operating Humidity	10-90% RH @ 85° F (30° C)

Table 3: Telephone Requirements

Requirement	Detail
FCC Registration	5QWUSA-30334-AL-E
Jack	RJ31X (2 required)
Connection Type	Loop start, pulse or tone dialing; Data Certified POTS lines

SDACT DACR Compatibility Reference

Table 4: Compatibility Reference

	Available Communication Format							
Receiver/Service	**ADEMCO Contact ID (CID) (Preferred)**	**3/1 Standard 1800/2300 Hz (10 and 20 PPS)**	**3/1 Standard 1900/1400 Hz (10 and 20 PPS)**	**4/2 Standard 1800/2300 Hz (10 and 20 PPS)**	**4/2 Standard 1900/1400 Hz (10 and 20 PPS)**	**Radionics BFSK 1800/2300 Hz**	**Radionics BFSK 1900/1400 Hz**	**SIA**
Osborne/Hoffman QuickAlert Model II	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
ADEMCO 685, with 685-8 Line Card	Yes	Yes	Yes	Yes	Yes	Yes	Yes	—
Silent Knight 9000	—	Yes With 9004 line card	Yes With 9004 line card	Yes With 9004 line card	Yes With 9004 line card	Yes With 9004 line card	Yes With 9004 line card	Yes With 9004 line card
FBI CP220FB, with Rec-11 Line Card	Yes	Yes	Yes	Yes	Yes	Yes	Yes	—
Bosh Radionics D6500	—	Yes	Yes	Yes	Yes	Yes	Yes	—
Bosch Radionics D6600*	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
SUR-GARD MLR2-DG	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
DSC TL300** (UL & ULC listed)	Yes	—	—	—	—	—	—	—
Bosch C900V2** (UL listed)	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes

* With or without D6680 Network Ethernet Adapter in D6600.

** DACT to Ethernet connection interfaces.