

Features

Four channel DACT for connection to Simplex® fire alarm control panels without internal DACT capability:

- Dual telephone line interface with supervised status
- DACT supervises control panel connections
- Control panel can supervise the DACT by monitoring auxiliary contacts
- Compatible with Simplex fire alarm control panels providing 24 VDC, and Alarm, Trouble, and Supervisory contacts
- UL Listed to Standard 864 per NFPA 72 for Central Station Service:
- Operation is FCC Part 15 approved

Selectable to report in the following formats:

- SK 3/1
- SESCOA 3/1
- SK 4/2 and SK FSK (4/2)
- Radionics BFSK
- Contact ID
- SIA

Additional features:

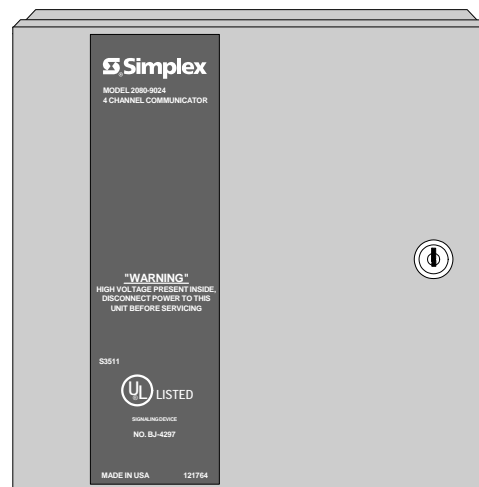
- Programmable power fail report delay
- Internal audible trouble alarm
- Fuseless overload protection with automatic reset
- Auxiliary relay is programmable to indicate alarm or trouble

Description

Monitoring. 2080-9024 digital alarm communicating transmitters (DACT) monitor the status of a fire alarm control panel and reports alarms, troubles, and supervisory conditions to a central supervising station. Power (24 VDC) with battery backup is supplied by the fire alarm control panel. Local AC mains are monitored for power loss with trouble reporting programmable with no time delay or with a selectable delay of from 6 to 12 hours.

Supervised Communications. Communications to the supervising station are via two monitored telephone lines. If one line fails for more than 90 seconds, a trouble signal is transmitted on the other line and an internal trouble alert audio signal will sound. If both lines should fail, the internal audio trouble signal will sound. Additionally, a programmable time of day test signal is sent to the supervising station once every 24 hours.

Auxiliary Relay Output. A SPDT auxiliary relay is provided with operation programmable to indicated alarm or trouble.



2080-9024 DACT

Specifications

Electrical

Input Voltage	18-32 VDC, 24 VDC nominal supplied from Fire Alarm Control Panel
Input Current @ 24 VDC	84 mA Standby 154 mA Alarm
Auxiliary Relay Contacts	Form C (SPDT) rated 1 A @ 24 VDC/VAC, resistive
Telephone Jack	RJ31X, 2 required
Connection Type	Loop start

LED Indicators, Internal

Power-on	Green
Trouble	Yellow
Telephone Line Trouble	Red, one per line

Mechanical

Dimensions	10-3/8" W x 10-1/8" H x 3" D (264 mm x 257 mm x 76 mm)
Weight	6 lbs (2.72 kg)
Color	Red

* This product has been approved by the California State Fire Marshal (CSFM) pursuant to Section 13144.1 of the California Health and Safety Code. See CSFM Listing 7300-0026:197 for allowable values and/or conditions concerning material presented in this document. It is subject to re-examination, revision, and possible cancellation. This product was not approved by ULC, FM, or MEA (NYC) as of document revision date. Additional listings may be applicable; contact your local Simplex product supplier for the latest status. Listings and approvals under Simplex Time Recorder Co. are the property of Tyco Safety Products Westminster.

Programming

The 2080-9024 can be programmed for: telephone number changes, time changes, loop response time, user and installer codes, account numbers, AC mains power fail reporting time delay, and system or zone status. Programming is performed by using the optional Remote Annunciator/Programmer or by using a PC with applicable software and compatible modem.

Typical Architect/Engineer Specification

The contractor shall furnish and install an approved digital communicator transmitter to transmit fire alarm activity to a central supervising location. The communicator shall be UL 864 listed as conforming to the requirements of NFPA 72 for Central Station connections and shall be UL listed as compatible with the connected Simplex fire alarm control panel. 24 VDC operating voltage and battery backup shall be provided by the fire alarm control panel.

The communicator transmitter shall have the capability of supervising two telephone lines and of seizing a telephone line and sending an alarm signal on one or both lines without the need of any additional equipment. If telephone service is interrupted on either line for more than 90 seconds, the communicator transmitter shall be capable of reporting the loss of either telephone line without regard to which line failed. If both lines fail, a local panel mounted trouble alert shall sound.

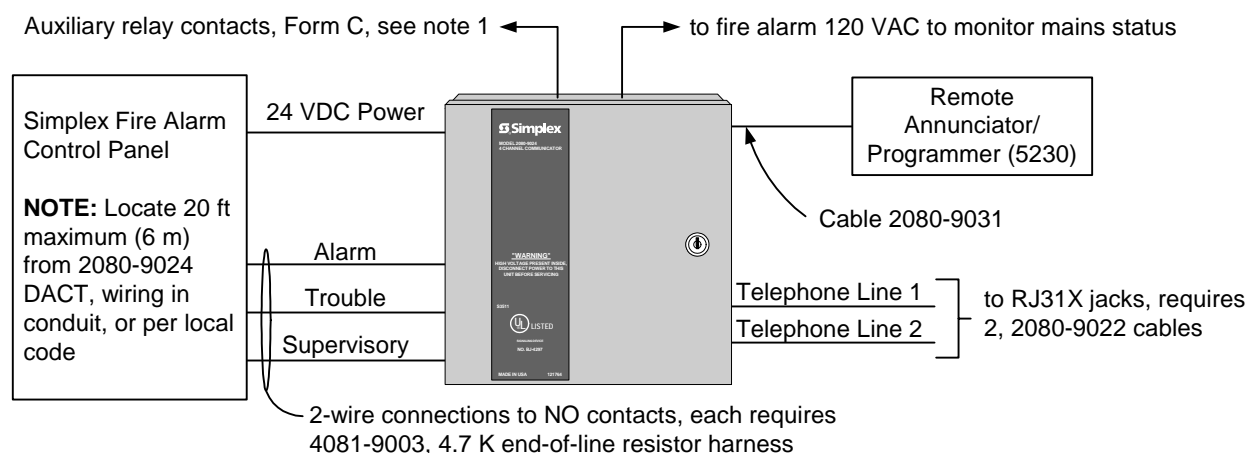
The communicator shall be capable of being programmed to send a test signal to the central supervising location once every 24 hours at a user selected time.

Signals to the central supervising location shall indicate which of the communicator transmitter initiating device circuits are in alarm and which are in trouble. Restoration to normal status shall also be transmitted with specific description messages. The communicator shall be capable of transmitting to Silent Knight, Radionics, or ADEMCO receiving stations.

Product Selection

Model	Description
2080-9024	Digital Alarm Communicating Transponder (DACT) with red cabinet
2080-9022	Telephone connection cables, two (2) required, 7 ft (2.1 m) long
5230	Remote Annunciator/Programmer (order category is OPSILENT); alphanumeric LCD with key inputs
2080-9031	Remote Annunciator/Programmer cable to connect to 2080-9024 DACT
4081-9003	End-of-Line Resistor Harness, 4.7 k Ω , 1/2 W, (reference 733-896); three (3) required (Alarm, Trouble, and Supervisory)

Wiring Reference Diagram



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