

# Axis<sup>AX</sup>

## 5pt Relay Contact Monitoring DACT

The D9068E, 5pt Digital Alarm Communicator Transmitter (DACT), is a completely contained communicator for use with Advanced Axis AX Series Intelligent Fire Alarm Control Panels. The D9068E Communicator can monitor up to 5 supervised dry contact inputs configurable for one of seven types of conditions: Fire Alarm, Waterflow Alarm, Supervisory, Monitor Alarm, System Fault, AC Failure and Low Battery.

The D9068E Communicator is supervised with a hardware watchdog circuit. Failure of the control program results in a hardware reset within two seconds. The on-board trouble relay releases for the duration of the reset (the relay is normally held energized). The D9068E's EEPROM memory, input points, and phone lines are automatically tested periodically. The EEPROM checksum is verified every 10 minutes. If the EEPROM checksum fails, a trouble condition is locally annunciated and a trouble report is sent to the Central Station.

A user interface, FMR-DACT-KEYPAD LCD, is available for programming and troubleshooting the D9068E Communicator. The LCD Keypad connects to a five-pin connector (optional bus interface) located on the D9068E PCB. An older version Liquid Crystal Display (LCD) Remote Keypad D7033 can also be used to perform this functionality.

### Reporting Formats

The D9068E Communicator supports five reporting formats: Modem IIIa2, Contact ID, SIA110, SIA300, and 4/2.

### Report Routing

There are six different report groups that can be routed to one of four phone settings. These report groups consist of non-supervisory alarms, supervisory alarms, alarm restorals, resets, supervisory restorals, tests and troubles, and trouble restorals. A reset report is sent when the D9068E Communicator resets from any off normal condition.

### Phone Line Selection

The D9068E Communicator follows a pre-determined sequence to select between the phone lines. It also implements the new NFPA requirements for alternation of phone lines during test reporting. The D9068E Communicator maintains a variable that selects either Phone Line 1 or Phone Line 2 for automatic test reports. After each successful test report, the variable switches to select the other phone line.



### Features

- Axis AX Series Intelligent FACP Powered
- 5 User Programmable Input Points
- Supports Multiple Reporting Formats
- Dual Phone Line Interface
- 100 Event History Buffer
- Separate Trouble LEDs for Line 1 or Line 2 faults, Heartbeat/Watchdog and General Trouble
- N.O. Contact Inputs, Fully Programmable
- Dual Phone Lines
- Multiple Communication Formats:
  - Modem IIIa2
  - Contact ID
  - SIA 110
  - SIA 300
  - 4/2

### Listings and Approvals

- ETL ANSI/UL 864 Listed: 3118002NYM-001B
- UL Listed UOXX.S5579
- CSFM Approved: 7300-1615: 182
- NYC-MEA 26-02-E, Vol. II, 26-02-E, Vol. III

### Communication Failed Indication

The D9068E Communicator indicates a communication failure after ten attempts to communicate are completed without success. This causes the trouble output to activate and report the fault to the AX Series Intelligent Fire Alarm Control Panel.

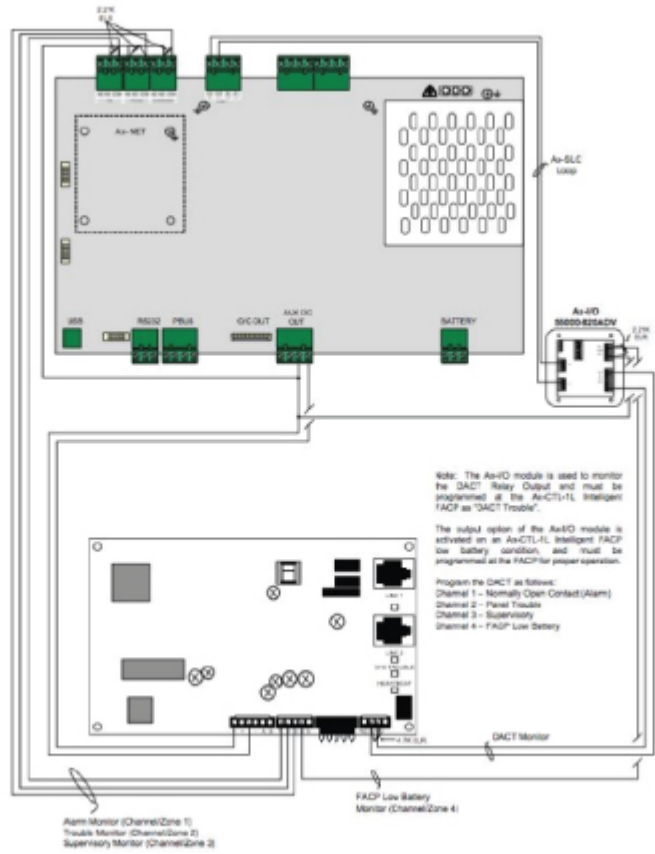
### History Buffer

The D9068E Communicator has an on-board history buffer that retains up to 100 events. Each event is tagged with the date and time of occurrence. This buffer can be viewed via the FMR-DACT-KEYPAD LCD (or a D7033 LCD Remote Keypad). When the buffer is full, old events are discarded (first in - first out) to make room for new events.

### Lightning Suppression

MOVs and spark gaps are built into the D9068E Communicator to suppress lightning surges and static discharges on input and telephone interface circuits.

## Wiring Diagram



## Specification

Voltage	10.2 - 28 VDC
Operating Current	
Quiescent	109 mA
Alarm	125 mA
Environment	Indoor, Dry
Temperature (Operating)	32°F - 120°F (0°C - 49°C)
Dimensions (H x W x D)	7.75 in. x 5.1 in. x 2.5 in. (19.7 cm x 13.1 cm x 6.4 cm)
Weight	3.1 lb (1.4 kg)

## Order Codes and Options

D9068E	5pt Digital Alarm Communicator Transmitter with enclosure
DACT-PRG	FMR-DACT-KEYPAD Programming LCD and Keypad

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