UDACT

Universal Digital Alarm Communicator Transmitter

ⓃNOTIFIER®
by Honeywell

General

The Universal Digital Alarm Communicator Transmitter (UDACT) is designed for use on the Notifier NFS-320, NFS2-640, NFS2-3030, NFS-640 and NFS-3030 Fire Alarm Control Panels and on the NCA-2 and NCA Network Control Annunciator. When used in conjunction with the NCA-2 network control annunciators the UDACT can report the status of all control panels on NOTI•FIRE•NET™. The UDACT transmits system status to UL listed Central Station Receivers via the public switched telephone network.

NOTE: *The UDACT can also be used with legacy panels. Please refer to the UDACT manual for more information.*

The UDACT is compact in size and may be mounted externally in a separate cabinet. EIA-485 annunciator communications bus and regulated 24-volt connections are required.
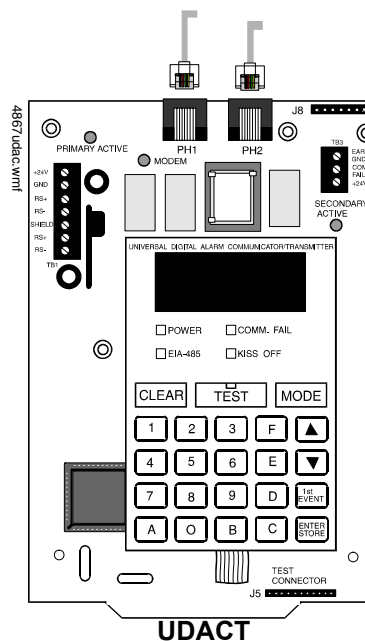
The UDACT is capable of transmitting the status of software zones (Alarm and Trouble), System Trouble, Panel Off-Normal, Supervisory, Bell Trouble, Low Battery, and AC Fail. The UDACT is capable of transmitting all of the zone and point status associated with each panel.

When the UDACT is used with the , NFS-3030, NFS2-3030, and NCA-2 it is capable of reporting up to 2,040 points. Reporting may be in the form of points or zones (refer to the UDACT manual for specific reporting parameters). The first 568 points transmitted may be programmed for a variety of types, including fire, waterflow, supervisory, etc. Remaining points transmitted are for fire alarm only.

NOTE: *Descriptions regarding point capacity, listed above, are for receivers which receive in Ademco Contact ID format. See chart on page 2 for compatible receivers.*

Features

- Maximum of 14 point trouble messages transmitted per hour.
- Dual phone lines.
- Dual telephone line voltage detect.
- Surface Mount Technology.
- Compact in size: 6.75" x 4.25" (17.145 x 10.795 cm).
- Built-in programmer.
- Built-in 4-character red 7-segment LED display.
- Manual Test Report function.
- Manual Transmission Clear function.
- Mounts in a separate enclosure (ABS-8RB or UBS-1).
- Communicates vital system status including:
  – Independent zone fire alarm.
  – Independent zone non-fire alarm.
  – Independent zone trouble.
  – Independent zone supervisory.
  – AC (mains) Power Loss (programmable).
  – Low Battery and Earth Fault.
  – System Off-Normal.
  – 12 or 24 hour test signal.
  – Abnormal Test Signal per new UL requirements.
  – EIA-485 Communication Bus Failure.

UDACT

- Annunciation of UDACT Troubles including: loss of phone lines, communication failure with either Central Station, total communications failure.
- Troubleshoot Mode converts keypad to DTMF touchpad.
- Individual LEDs for: Power, EIA-485 Loss, Manual Test, Kissoff, Comm Fail, Primary Line Seize, Secondary Line Seize and Modem Communications.
- Open Collector relay driver for Total Communications Failure or UDACT trouble.
- Real-time clock.
- Extensive transient protection.
- Simple EIA-485 interface to host panel.

Agency Listings and Approvals

In some cases, certain modules may not be listed by certain approval agencies, or listing may be in process. Consult factory for latest listing status.

- UL Listed: S635
- ULC Listed: CS100 Vol. VII
- MEA: 328-94-E; 317-01-E3
- CSFM: 7300-0028:174; 7165-0028:214; 7165-0028:224; 7170-0228:216; 7170-0028:223; 7165-0028:243, 7170-0028:244
- INDUSTRY CANADA: 2132 6030 A
- FCC: 1W6-USA-20723-AL-E
- FM Approved

Communication Formats

- 3+1 Standard
- 4+1 Standard
- 4+2 Standard
- 4+1 and 4+2 Ademco Express
- Ademco Contact ID

NOTE: *Ademco Contact ID must be used for independent zone reporting.*

Type Mode Feature

Ademco Contact ID format only) Use Type Mode to identify reports to Central Station as:

- Fire Alarm
- Supervisory
- Pull Station
- Heat Detector
- Waterflow
- Duct Detector
- Flame Sensor
- Smoke Zone

- Burglary
- 24 hour Non-Burglary
- High Temperature
- Low Temperature
- Low Water Pressure
- Low Water Level
- Pump Failure

Electrical Specifications

Standby current: 40 mA.

Current while communicating: 75 mA.

Maximum current *while communicating and with open collector output activated*: 100 mA.

Voltage: Regulated 24 volts. Range: 21.2 to 28.2 volts.

Ordering Information

UDACT: Universal Digital Alarm Communicator Transmitter. Includes operating and programming instructions, and mounting hardware.

MCBL-7: DACT phone cord, 7 ft (2.13 m) long (two required).

ABS-8RB: Metal enclosure for externally mounting UDACT up to 6,000 ft./1828.8 m from host FACP. 9.94" H x 4.63" W x 2.50" D (cm: 25.248 H x 11.760 W x 6.350 D).
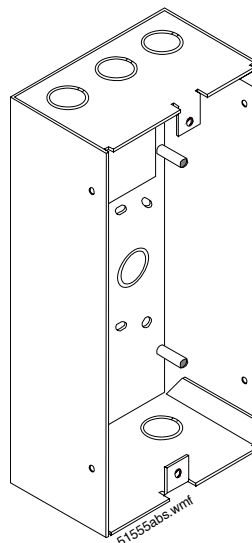
UBS-1: Metal enclosure. Includes viewing window and optional relay mounting capability.

R-10E: SPDT Form-C relay. Contacts rated for 10 A @ 115 VAC. Connects to open collector relay driver.

R-20E: DPDT Two Form-C relays. Contacts rated for 10A @ 115 VAC. Connects to open collector relay driver.

FBD-1: Ferrite bead kit. Use for remote mounting only.

ROM1-UDACT: EPROM upgrade kit.

ABS-8RB
for remote mounting
[9.94"(25.2476cm)H x
4.63"(11.7602cm)W x
2.5"(6.35cm)D]

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4867ubs.wmf

UDACT
shown in UBS-1

	Format # (Addresses 16 & 42)	Ademco 685 (1)	Silent Knight 9000	ITI CS-4000 (3)	FBI CP220FB	Osborne Hoffman Models 1 & 2	Radionics 6000/6500 (5)	Sescoa 3000R (7)	SurGuard MLR-2 (9)
0	4 + 1 Ademco Express	X			X				X
1	4 + 2 Ademco Express	X			X	X(8)			X
2	3 + 1 /Standard/1800/2300	X	X (2)	X	X(4)	X	X(5,6)	X	X
3	(NOT USED)								
4	3 + 1 /Standard/1900/1400	X	X (2)		X(4)	X		X	X
5	(NOT USED)								
6	4 + 1 /Standard/1800/2300	X	X (2)	X	X(4)	X	X(5)	X	X
7	(NOT USED)								
8	4 + 1 /Standard/1900/1400	X	X (2)		X(4)	X		X	X
9	(NOT USED)								
A	4 + 2 /Standard/1900/2300	X	X (2)	X	X(4)	X	X(5)	X	X
B	(NOT USED)								
C	4 + 2 /Standard/1900/1400	X	X (2)		X(4)	X		X	X
D	(NOT USED)								
E	Ademco Contact ID	X			X	X			X
F	(NOT USED)								

1.) With 685-8 Line Card with Rev. 4.4d software.

2.) With 9002 Line Card Rev. 9035 software or 9032 Line Card with 9326A software.

3.) Rev. 4.0 software.

4.) FBI CP220FB Rec-11 Line Card with Rev. 2.6 software and a memory card with Rev. 3.8 software.

5.) Model 6500 with Rev. 600 software.

6.) Model 6000 with Rev. 204 software.

7.) With Rev. B control card at Rev. 1.4 software and Rev. C line card at Rev. 1.5 software.

8.) Model 2 only.

9.) Version 1.62 software.

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QUALITY SYSTEMS

This document is not intended to be used for installation purposes.
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