

UDACT-F

Universal Digital Alarm Communicator Transmitter



Annunciator Control Systems

General

The Fire•Lite UDACT-F Universal Digital Alarm Communicator Transmitter may be used on the MicroScan-9200, MicroScan-9600 and Sensiscan 2000 fire alarm control panels. The UDACT-F transmits system status to UL listed Central Station Receivers via the public switched telephone network.

The UDACT-F is compact in size and may be mounted inside the host control panel or may mount externally in a separate cabinet. EIA-485 annunciator communications bus and regulated 24-volt connections are required. The UDACT-F transmits 198 points or 56 zones when connected to the MS-9200, up to 636 points or 99 zones when connected to the MS-9600 and 56 zones when connected to the Sensiscan 2000.

Features

- Dual phone lines per UL and NFPA requirements.
- Dual telephone line voltage detect.
- Dialer runaway prevention.
- Compact in size: 6.75" x 4.25".
- Built-in programmer.
- Built-in four-character, red, seven-segment LED display.
- Manual Test Report function.
- Manual Transmission Clear function.
- Mounts either inside the control panel or in a separate enclosure.
- Communicates vital system status including:
 - Independent zone/point alarm (see Type Mode).
 - Independent zone/point trouble.
 - Independent zone/point 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.
- Annunciation of UDACT-F Troubles includes: loss of phone lines, communication failure with either Central Station, total communications failure.
- Troubleshoot Mode converts keypad to DTMF touchpad for testing of phone lines and RJ31X jack.
- 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, phone line fault and UDACT-F troubles.
- Real-time clock.
- Extensive transient protection.
- Simple EIA-485 interface to host panel.

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, non-resettable 24 volts.

Installation

MS-9600: Mounts to cabinet with option bracket BRKT-9600.

MS-9200: Mounts to main circuit board with supplied hardware.

Sensiscan 2000: Mounts to CHS-4 chassis with supplied hardware.

Optionally, external mounting using the **ABS-8RF** or **UBS-1F** enclosures allows locating the UDACT-F up to 6,000 feet from host panel.

Product Line Information

UDACT-F: Includes operating instructions, programming instructions and mounting hardware.

MCBL-7: UDACT phone cord, seven feet long (*two required*).

ABS-8RF: Metal enclosure for external mounting up to 6,000 feet from host FACF.

UBS-1F: Metal enclosure, with viewing window and relay mounting capability. Mounts up to 6,000 feet from host FACF.

MR-101/CR: Single SPDT Form-C relay with LED, mounted in plastic enclosure with metal backplate. Contacts rated for 10A @ 115 VAC. Connects to open collector relay driver.

MR-201/CR: Single DPDT Form-C relay with LED, mounted in plastic enclosure with metal backplate. Contacts rated for 10A @ 115 VAC. Connects to open collector relay driver.

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

BRKT-9600: Bracket used to install the UDACT-F to the MS-9600.

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.

Communication Formats

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

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

See chart for compatible receivers.

- UL Listed: S2424
- ULC Listed: CS635
- MEA: 328-94-E
- FM Approved
- California State Fire Marshall: 7300-0075:174
- Industry Canada: 2132 6030 A
- FCC: 1W6USA-20723-AL-E

	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.

Type Mode Feature

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

•Fire Alarm •Supervisory •Pullstation •Heat Detector •Waterflow •Duct Detector •Flame Sensor •Smoke Zone

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