GW-UDACT

Universal Digital Alarm Communication Transmitter

Description

The Gamewell-FCI Universal Digital Alarm Communicator Transmitter (GW-UDACT) is designed for use with all Gamewell-FCI 600 Series Fire Alarm Control Panels. The GW-UDACT transmits system status to UL-Listed Central Station Receivers via the public switched telephone network.

The GW-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.
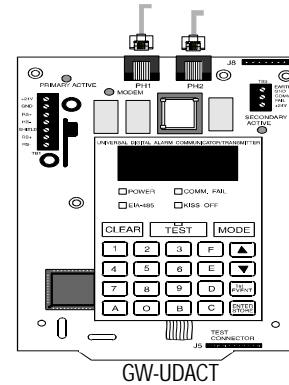
The GW-UDACT is capable of transmitting the status of software zones (Alarm and Trouble), System Trouble, Panel Off-Normal, Supervisory, Bell Trouble, Low Battery, and AC Fail. GW-UDACT is capable of transmitting the status of all zones associated with each panel. Reporting is in the form of software zones or groups (up to 256). Each zone can be programmed for fire, waterflow, supervisory, etc.

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.

Engineer's Specifications

The Universal Digital Alarm Communicator Transmitter (UDACT) shall continuously supervise the state of each of two connected Telco Lines (at approximately one-minute intervals) by a Line-DC level measurement. If supervision fails, a Line #1 or Line #2 Trouble event will be reported. Once a line has been restored, a Line Trouble Restored event will be reported. The product will always report events sorted in the order in which they are received/recognized. The UDACT shall be capable of reporting multiple events to a single account number, within a single call session. Up to three attempts for a single message not yet reported will be made within a single call attempt. A failure to communicate to either or both accounts will generate a corresponding event which will be queued for reporting. The unit shall be a Gamewell-FCI model GW-UDACT. The unit shall be capable of reporting Alarm, Trouble, Supervisory, and Waterflow events and event-specific restorals for each of up to 256 groups or software zones.

GW-UDACT

Features

- Maximum of 14 point trouble messages transmitted.
- Dual phone lines and telephone line voltage detect.
- Surface-mount technology and mounts directly in panel.
- Compact in size: 6.75" x 4.25" (17.145 x 10.795 cm).
- Built-in programmer.
- Built-in four-character red seven-segment LED display.
- Manual test report function.
- Communicates vital system status including:
  - Independent zone fire alarm and non-fire alarm.
  - Independent zone trouble and non-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 UL requirements.
  - EIA-485 communication bus failure.
- Annunciation of UDACT troubles including: loss of phone lines, communication failure with either central station, total communication failue.
- 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.

SIGNALING

UL LISTED
S521 7300-1288:147

www.gamewell.fci.com

Compatible Receivers

	Format # (Addresses 16 & 42)	Ademco 685 (1)	Silent Knight 9000	ITI CS-4000 (3)	FBI CP220FB	Osborne Hoffman Models 1&2	Radionics 600/6500 (5)	Sescoa 300R (7)	Sur-Gard MLR-2 (9)
0	4 + 1 Ademco Express	4			4				4
1	4 + 2 Ademco Express	4			4	4 (8)			4
2	3 + 1/Standard/1800/2300	4	4 (2)	4	4 (4)	4	4 (5,6)	4	4
3	(NOT USED)								
4	3+1/Standard/1900/1400	4	4 (2)		4 (4)	4		4	4
5	(NOT USED)								
6	4+1/Standard/1800/2300	4	4 (2)	4	4 (4)	4	4 (5)	4	4
7	(NOT USED)								
8	4+1/Standard/1900/1400	4	4 (2)		4 (4)	4		4	4
9	(NOT USED)								
A	4+2/Standard/1800/2300	4	4 (2)	4	4 (4)	4	4 (5)	4	4
B	(NOT USED)								
C	4+2/Standard/1900/1400	4	4 (2)		4 (4)	4		4	4
D	(NOT USED)								
E	Ademco Contact ID	4			4	4			4F
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.

Specifications:

Electrical

Standby current:	40 mA.
Current while communicating:	75 mA.
Nominal voltage:	24 volts DC.

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.

Mounting:

When used with the Gamewell 600 Series, the GW-UDACT mounts directly in the panel cabinet.

Relative Humidity:	93% non-condensing
Temperature Rating:	32 F - 120 F
	(0 C - 49 C)

Ordering Information:

Part Number	Model
GW-UDACT	Gamewell Universal Digital Alarm Communicator Transmitter for use with Gamewell 600 Series panels. Includes operating and programming instructions, and mounting.
MCBL-7	DACT phone cord, 7 ft. (2.13 m) long (two required).