uplink® CDMA**EX**

CDMA Primary Cellular
Alarm Communicator

INSTALLATION & USER'S GUIDE

PRODUCT ID # 202132UP453E01

CDMA PRIMARY CELLULAR ALARM COMMUNICATOR

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INTRODUCTION

The Uplink® CDMAEX Primary Cellular Alarm Communicator is a CDMA alarm communicator designed to be used with almost any manufacturer's alarm panels that incorporate a digital telephone dialer. The Uplink CDMAEX provides a "Primary" wireless interface to the protected premises and replaces the phone line connection. The Uplink CDMAEX unit will "intercept" the alarm panel's digital dialer output when the panel has an event to report, and communicate with the panel as if it were a central station alarm receiver. Once the CDMAEX completes a communications session with the alarm panel, it will transmit the alarm information using the local CDMA cellular communications network. The Model CDMAEX is compatible with alarm systems and central stations using these formats: Contact ID (SIA-DC05), SIA (SIA-DC03), DMP, Modem IIe/IIIa[2] or 4/2.

KEY FEATURES

A. FULL DATA Reporting. Compatible with most alarm panels using Contact ID (SIA DC-05 Standard), SIA FSK Level 1 (SIA DC-03 Standard), DMP, Modem IIe/IIIa[2] or 4/2 digital dialer formats. All information sent by the alarm panel in these formats (account number, zone information, User IDs, etc.) will be sent to the central station using the CDMA network.

B. Power Requirements: Requires constant 12V DC power from a power supply, battery, or alarm panel with a constant 200 mA and a peak 600 mA for one second during transmission.

C. Panel to CDMAEX Cable Supervision. Can be configured to Monitor continuity of the cable connecting the panel's telephone dialer to the CDMAEX. This feature is activated through the website www.uplink.com or by calling Uplink Customer Service:

　　　　1-888-9-UPLINK (1-888-987-5465)

D. Input. The CDMAEX has one programmable input. This input can be programmed to one of the following functions via the website:
- Standard Input
- Sampled Siren
- Pulse Counter
- Timed Bell (Default Configuration)

E. Output. The CDMAEX has one programmable relay output. This output can be programmed to activate upon the occurrence of one or more of the following trouble conditions:

- Low DC Input Voltage
- Cable Supervision Trouble (Panel to CDMAEX)
- Loss of Cellular Service
- CDMAEX Disabled (via website command)
- Failure to receive ACK from Central Station
- Watchdog Circuit Trouble
- GPRS Network Loss
- Total Failure

F. Uplink Remote. The output may also be used in conjunction with Uplink Remote to activate a keyswitch zone for remote arming and disarming of the alarm panel.

KEY FEATURES (cont.)

G. Power Source Monitoring (Low DC Input Voltage Reporting). The CDMAEX can report a low input Voltage condition to the central station when its DC input voltage drops below 10.2V DC. It will report Low input Voltage Restoral at 11.4V DC.

H. Automated Testing. The CDMAEX can be programmed to send an automated test signal to the central station on a monthly, weekly (Default Configuration) or daily interval.

I. CDMA Network Supervision. Supervises the local CDMA network. If the unit no longer locates the local CDMA Network, its output relay can be set up to report this trouble condition.

J. Status/Received Signal Strength LEDs. The five LEDs indicate the current operational status and are visible from outside the enclosure. These LEDs can be placed into Received Signal Strength Indication mode (RSSI) to assist in selecting the optimal mounting location for transmitting and receiving cellular radio signals by enabling dip switch 4.

K. Easy Initiation. Easy activations available via the **Uplink Installer** app, website at **www.uplink.com** or by calling Uplink Customer Service:

> **1-888-9-UPLINK** (1-888-987-5465)
> Requires the central station receiver phone number and/or its IP address and Port number.

L. Web-based Services. Available at **www.uplink.com** and include:

- Secure login for dealers
- Immediate, real-time activation
- History of past event transmissions
- Initiation of a test report
- The ability to query the unit and receive a real-time radio report status including a Received Signal Strength reading
- Programming the output and other internally generated events

WARRANTY & LIMITATION OF LIABILITY

Standard 12-Month Limited Warranty

Uplink Security, LLC's limited product warranty extends only to commercial distributors who purchase products directly from Uplink. Uplink's warranty does not extend to end user consumers of Uplink products or to other parties not in privity of contract with Uplink and, to the maximum extend permissible under applicable law, Uplink expressly disclaims any warranty, express or implied, extending to such end user consumer or parties including without limitations, any implied warranties or merchantability and fitness for a particular purpose. End user consumers with questions concerning an Uplink product are directed to contact the alarm/ security system dealer or installer from whom they purchased the product.

Distributors, dealers and installers with questions about Uplink's warranty and returns process are directed to contact Uplink Order Entry; issuance of a Return Merchandise Authorization (RMA) number by Uplink is required as a condition prerequisite to the return of any Uplink products under the applicable product warranty.

IN NO EVENT SHALL UPLINK OR ANY OF ITS REPRESENTATIVES BE LIABLE TO ANY END USER CONSUMER OF AN UPLINK PRODUCT AND/OR SERVICE OR ANY OTHER PARTY NOT IN PRIVITY OF CONTRACT WITH UPLINK FOR ANY CONSEQUENTIAL, INCIDENTAL, INDIRECT, EXEMPLARY, SPECIAL OR PUNITIVE DAMAGES, INCLUDING ANY DAMAGES FOR BUSINESS INTERRUPTION, LOSS OF USE, DATA, REVENUE OR PROFIT, WHETHER ARISING OUT OF BREAK OF CONTRACT, TORT (INCLUDING NEGLIGENCE OR PRODUCT LIABILITY) OR OTHERWISE, REGARDLESS OF WHETHER SUCH DAMAGES WERE FORESEEABLE AND WHETHER OR NOT UPLINK WAS ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

WARRANTY &
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TO BREAK OF CONTRACT, TORT (INCLUDING, WITHOUT LIMITATION, NEGLIGENCE
OR PRODUCT LIABILITY) OR OTHERWISE, EXCEED THE TOTAL AMOUNT PAID OR
PAYABLE TO THE ALARM/SECURITY DEALER OR INSTALLER BY THE END USER
CONSUMER FOR SAID PRODUCT AND/OR SERVICE IN THE 12 MONTH PERIOD
PRECEDING THE EVENT GIVING RISE TO THE CLAIM OR $250, WHICHEVER
AMOUNT IS GREATER.

FCC & INDUSTRY CANADA REGULATORY COMPLIANCE

Part 15

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.

However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced technician for help.

FCC RF EXPOSURE INFORMATION

In August 1996 the Federal Communications Commission (FCC) of the United States with its action in Report and Order FCC 96-326 adopted an updated safety standard for human exposure to radio frequency electromagnetic energy emitted by FCC regulated transmitters. Those guide-lines are consistent with the safety standard previously set by both U.S. and international standards bodies. The design of this module complies with the FCC guidelines and these international standards. The FCC ID of this unit is QIPPHS8-US. For more information about RF exposure, please visit the FCC website at **www.fcc.gov.**

The term "IC" before the certification/registration number only signifies that the Industry Canada Technical Specifications were met. The external antennas used for this module must provide a separation distance of at least 20cm from all persons and must not be co-located or operating in conjunction with any other antenna or transmitter.

TECHNICAL SUPPORT

Technical support is available **Monday through Friday, 8:00 AM to 8:00 PM ET** excluding holidays. Before calling technical support please ensure you have read the installation guide completely. Technical support requires the caller to provide:

- **Login name**
- **Password**
- **Serial number of the CDMAEX**

Uplink Security, LLC.
3330 Cumberland Blvd.
Suite 700
Atlanta, GA 30339
888-9-Uplink (888-987-5465)
www.uplink.com

INSTALLATION

A. General Considerations

Determine where to mount the unit. Keep the following in mind:

    a. Where to obtain the best transmitted and received signal strength for the cellular radio. (If the installer does not have a very strong cellular signal in his area, he may want to first power the unit from a portable 12V DC source, switch on S4 and move the unit to a location that gives him the best signal strength.)

    b. Proximity to the alarm panel and where to route the CDMAEX's relay output that connects to an alarm panel input.

B. DIP Switch Settings

The CDMAEX has a four-position dipswitch. The dipswitches function as follows:

SWITCH NO.	SETTING	FUNCTION
S1: Default Load*	OFF	Normal Operations
	ON	Load Defaults
S2: OTA Operation	OFF	OTA configuration allowed
	ON	OTA configuration blocked
S3: Reserved	OFF	N/A
	ON	N/A
S4: LED Function	OFF	Normal Operations
	ON	RSSI Measurements

*LEDs will flash Red / Green until defaults have been loaded. When LEDs stay red, turn S1 off.

INSTALLATION (cont.)

C. LEDs

Normal Mode: Upon initial power up, the 5 LEDs on the CDMAEX will begin to function as follows:

UPLINK SECURITY, LLC.
3330 Cumberland Blvd
Suite 700
Atlanta, GA 30339
888-987-5465
www.uplink.com

LED Status -
Normal Mode

LED1 ○	**POWER**	OFF ○
LED2 ○	**PANEL HOOK STATUS**	FLASH ◓
LED3 ○	**TROUBLE**	ON ●
LED4 ○	**NETWORK STATUS**	
LED5 ○	**HEARTBEAT**	

	○	OFF	NO DC POWER
POWER	●	GREEN	DC POWER PRESENT
	●	RED	DC POWER LOW

PANEL	●	GREEN	PANEL ON-HOOK
HOOK			
STATUS	◓	GREEN	PANEL OFF-HOOK

	●	GREEN	OUTPUT RELAY NORMAL
TROUBLE			
	●	RED	OUTPUT RELAY OFF-NORMAL

	●	GREEN	UNIT REGISTERED ON NETWORK
NETWORK			
STATUS	◓	GREEN	WAITING FOR ACK FROM CS
	●	RED	UNIT NOT REGISTERED

HEARTBEAT	◓	GREEN	Normal Operation
	◓	RED	S1 ON AFTER RESET

00-25593-026rA

uplink® CDMA**EX**

INSTALLATION (cont.)

RSSI Mode: When the CDMAEX is placed in Received Signal Strength Indicator (RSSI) Mode by turning Dipswitch S4 to ON, the five LEDs indicate the follow signal strength information:

```
RECEIVED SIGNAL          OFF    O
      STRENGTH          FLASH   ◓
                    LED1  O  ON    ●
                    LED2  ●
>=-60dBm            LED3  ●  GREEN
                    LED4  ●  GREEN
                    LED5  ●  GREEN
                            GREEN
                    LED1  O
                    LED2  O
>=-70dBm            LED3  ●  GREEN
                    LED4  ●  GREEN
                    LED5  ●  GREEN
                    LED1  O
                    LED2  O
>=-80dBm *          LED3  O
                    LED4  ●  GREEN
                    LED5  ●  GREEN
                    LED1  O
                    LED2  O
>=-90dBm            LED3  O
                    LED4  O
                    LED5  ●  GREEN
                    LED1  O
                    LED2  O
>=-100dBm           LED3  O
                    LED4  O
                    LED5  ◓  GREEN
                    LED1  O
                    LED2  O
>=-110dBm           LED3  O
                    LED4  O
                    LED5  ●  RED
     No Signal -All LED's Off
        *Recommended RSSI
```

GOOD

MINIMUM ACCEPTABLE

UNACCEPTABLE

00-25593-006iD

INSTALLATION (cont.)

D. Locating and Installing the CDMAEX

The CDMAEX is housed in a plastic enclosure. The installer needs to supply DC power from the panel via the AUX output, or battery, via a separate DC power source. Input DC current is listed on page 25.

After carefully considering all of the issues outlined in Installations - General Considerations, page 12, proceed as follows:

1. Separate the top and bottom of the enclosure by depressing the tab on the sides of the unit and then tilting the bottom of the plastic top outward and up.
2. Connect the antenna that is supplied with the CDMAEX. The Antenna supplied may differ from the ones depicted in the figures in this manual.
3. Go to the red, 4-position Dipswitch as shown in Figure 1 and set the dipswitch as appropriate for this installation. (See DIP Switch Settings, page 12.)
4. Place Dipswitch #4 (S4) in the ON position. The LEDs are now operating in RSSI Mode. Locate a good mounting position based on a good Received Signal Strength Indication (RSSI). It is recommended that the installation location demonstrate an RSSI of at least -80 dBm (two solid green LEDs). The minimum acceptable RSSI is -90 dBm (1 solid green LED).
5. Position the bottom of the CDMAEX enclosure where it will be installed. Use four (4) #6 screws and mount the unit using the four holes in the enclosure's plastic bottom.
6. Make sure that the unit's antenna is connected.
7. Connect the positive (+) and negative (-) terminals of the 12V DC power supply to terminals DC+ and DC - respectively on the CDMAEX.
8. Double check to make sure that the RSSI is still showing a good signal strength level.
9. Before connecting the alarm panel and the CDMAEX, first:
   a. Return Dipswitch #4 (S4) to the OFF position.
   b. Disconnect the Positive and Negative connections to the DC power source.
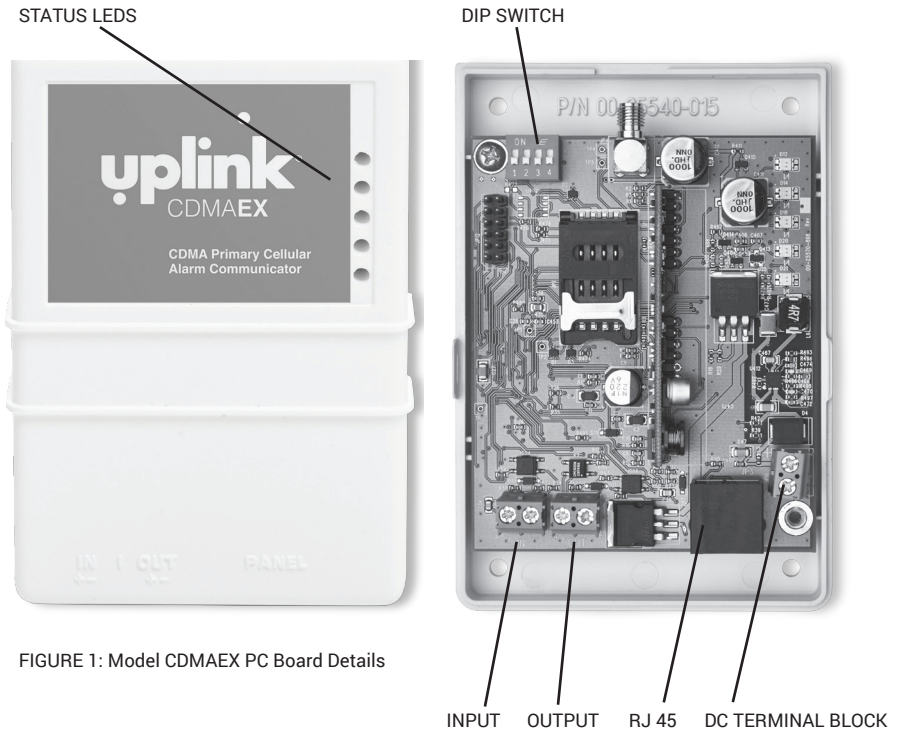
INSTALLATION (cont.)

STATUS LEDS

DIP SWITCH

FIGURE 1: Model CDMAEX PC Board Details

INPUT   OUTPUT   RJ 45   DC TERMINAL BLOCK

CAUTION: Incorrect Connections May Result in Damage to the Unit

INSTALLATION (cont.)

E. Connecting the CDMAEX to the Alarm Panel

IMPORTANT: Make all of the connections to the CDMAEX in the powered down
state. Once all of the connections have been established, turn power on.

  1. First, remove DC power from the CDMAEX, and then proceed as follows:

  2. Panel Connections
    Connect the alarm panel's telephone output to the CDMAEX with an
    appropriate cable. On the CDMAEX's side, the cable should use an RJ45 plug
    and be connected into Jack JP3.

  3. Output
    The CDMAEX has one relay output that can be used to activate a
    keyswitch zone on the alarm panel for arm/disarm with Uplink Remote or
    for other local purposes. Decide on how to use this output (see section 6.
    Programming) then wire it from the terminal strip to the external panel
    or device:

    Output #1 Terminals: OUT1+ and OUT1-

The default state for this Output is as follows:

OUTPUT	DEFAULT STATE	DEFAULT DEFINITION
#1	Configurable - normally open	no mapping

See Figure 2 as an example of how to connect the CDMAEX to the alarm panel.
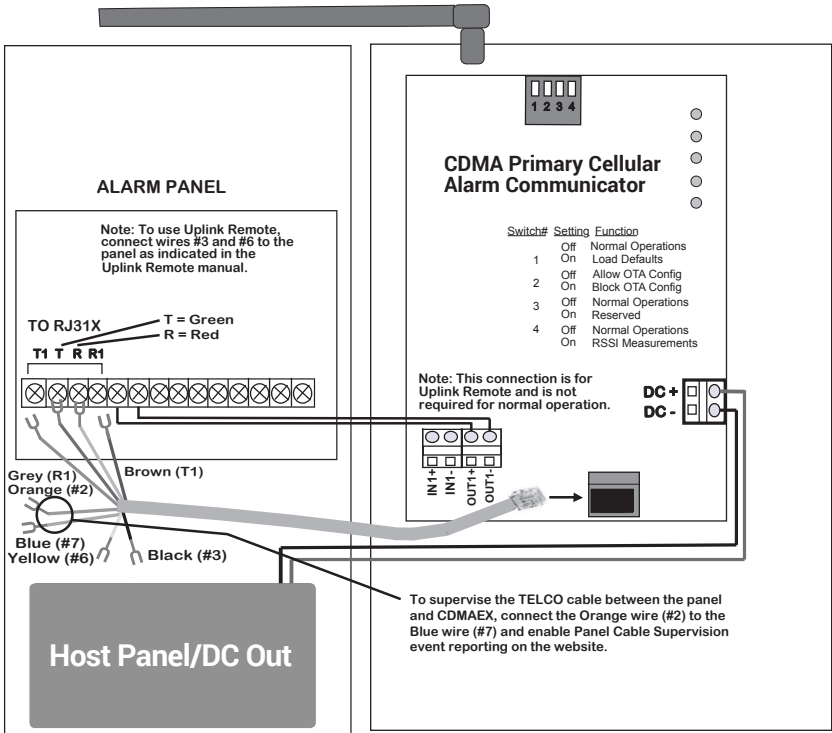
INSTALLATION (cont.)

FIGURE 2: Connections between the CDMAEX and the Alarm Panel

INSTALLATION (cont.)

F. Configuring Input 1 (Via Over the Air programming)
Input 1 can be configured to perform one of four functions and is programmable
Over-The-Air via the Uplink Dealer web site.

1. Standard Input - This mode configures the unit to be tripped from a DC voltage
ranging from 9 V DC to 12 V DC or an open collector.

2. Timed Bell - (Default mode) This mode configures the unit to be tripped from a DC
voltage ranging from 9 V DC to 12 V DC. The unit reads a pulsed voltage as a fire
signal and a steady voltage as a burglary signal. It may be necessary to place a 1K
Ohm resistor in parallel to prevent false alarms when using panels with supervisory
voltage on the bell circuit. Some panels with supervised bell circuits may require a
1K Ohm resistor in the circuit. Contact Technical Support for further details.

3. Sampled Siren* - This mode configures the unit to be tripped from a siren driver or
a panel with a built in siren driver. The unit reads a steady tone as a fire signal and a
yelping tone as a burglary signal.

*NOTE: The input assumes that a speaker is connected to the panel. If you are not
using a speaker we recommend using a Timed Bell instead of Sample Siren. This is an
option on most panels.

INSTALLATION (cont.)

Input 1 if Standard Type

INPUT -   ⊘ ─────────────── ○ –
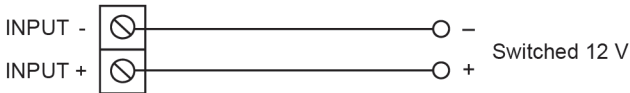INPUT +   ⊘ ─────────────── ○ +   Switched 12 V

FIGURE 3: Wiring example for voltage trip

Voltage Trip - Input 1 if set for standard input can be tripped by applying 12 V to the +
input and 0 V to the - input. A signal must be continuously present for 500 ms.
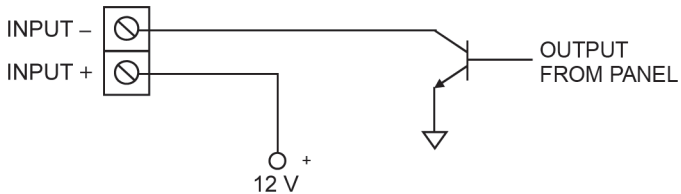
INPUT –   ⊘
INPUT +   ⊘   OUTPUT
                                     FROM PANEL
           ○ +
           12 V

FIGURE 4: Wiring example for open collector trip

Open Collector - Inputs 1 if set for standard input can be tripped by applying 12 V to
the + input and the Open Collector output of the panel to the - input. A signal must be
continuously present for 500 ms.

INSTALLATION (cont.)

G. Activating the CDMAEX
The CDMAEX is programmed OTA (Over-the-Air) by using the Uplink Installer app or accessing the Uplink Dealer website or by calling Uplink Customer Service at 1-888-9UPLINK (1-888-987-5465).

New Dealer Enrollment:
For new dealers/customers, you must first establish an account with Uplink by visiting the Uplink website **(www.uplink.com).**

1. Enter the Login Name and Password. Wait about 20 seconds for the next web page to completely load.
2. Under the Programming Tab, select **"Activate Unit"** from the menu choices.
3. Answer **"Yes"** to the question **"I have read and I accept the terms of the Activation Agreement".**
4. Enter the device serial number and select **"Activate".**
5. If you are offering Remote Services, enroll the unit in Uplink Remote.
6. You will be directed to the Edit Unit Settings page, where you will enter all appropriate customer information.
7. From the **Central Station Notification** drop down menu, select the appropriate format.
8. Enter the appropriate Central Station phone number and account number.
9. Configure the device to meet your install needs.
10. Select **"Update".**
11. Unit must be powered to continue. From the **"Programming"** drop down menu, select **"Program Unit Over the Air".**
12. Set the appropriate Dialer Protocol, select **Send.**
13. From the **"Test"** drop down menu, select **"Send Status Request Signal".**
14. Activation is complete once a successful test message is displayed. From the **"Signal History"** drop down menu, select **"Events Received".**

INSTALLATION (cont.)

H. Programming and Central Station Reporting

The following parameters can be configured from the dealer website **"Programming"**
Menu:

    1. Automated and On Demand Test Signals (Default = Weekly)

    The Automated Test signal interval can be changed from the dealer website
    to monthly, weekly, or daily. In addition, an immediate test signal can be generated.

    2. Activate/Deactivate Output Relay

    Output relay #1 can be activated or deactivated from the dealer website.
    This feature allows the installer to test the correct operation of this output
    when it is connected to the alarm panel.

    3. Normal State of Output Relay (Default = #1 OUT1 De-energized (Open)

    The normal state of the Output Relay can be changed from the dealer website.

    4. Output Relay 1 Mapping (Default = #1 Unmapped)

    There are 8 trouble states that can be declared by the CDMAEX, and each of
    these states can be programmed from the dealer website to activate the
    Output Relay.

    The 8 trouble states are:

        • Low DC Input Voltage
        • Cable Supervision Trouble (Panel to CDMAEX)
        • Loss of Cellular Service
        • CDMAEX Disabled (via website command)
        • Failure to receive ACK from Central Station
        • Watchdog Circuit Trouble
        • GPRS Network Loss
        • Total Failure

    5. Send Trouble Condition to Central Station "Specific Event Reporting" (Default =
    Low DC Input Voltage, IN1 Alarm, or Panel Armed)

    Any or all of the Trouble Conditions detectable the CDMAEX can be programmed to
    report that condition (and its Restoral) to the monitoring Central Station.

INSTALLATION (cont.)

See Appendix A for a list of Contact ID format, SIA format and Modem IIe/IIIa[2] event codes generated by the CDMAEX that can be sent to the central station receiver.

See Appendix B for a list of the default event codes transmitted by the CDMAEX.

The CDMAEX supports 4/2 with any combination of :10, :20, or :40 PPS. Two round or checksum, 1400 Hz or 2300 Hz handshake.

I. Default Event/Email Messages

Email and Text Messaging will only be available for Status events (e.g., Low DC input Voltage, Test, etc.). Events transmitted from the premises alarm panel via the CDMAEX's Primary function will not be sent out by email or text messaging.

J. Completing the Installation and Testing

Once the physical installation is completed, the unit is activated from the dealer website, and programming changes are made, test the CDMAEX along with the alarm panel to ensure everything is functioning properly.

Test the following:

    a. Check to see that all 5 LEDs are green. The first 4 LEDs should be solid green, and the 5th LED should be flashing green.

    b. Trip an alarm on the alarm panel. Check that the CDMAEX has correctly intercepted the panel's digital dialer output and reported the event to the central monitoring station.

    c. If using the Output Relay on the CDMAEX go back to the dealer website and use the Switch Output Relay command to test the relay. Make sure the premises alarm panel properly detects the relay's change of state and that it reports the proper event to the monitoring central station.

    d. Finally, remove DC Power from the CDMAEX and trip an alarm on the premises alarm panel. Confirm that the panel detects loss of its communication path and alarms appropriately (local).

    e. Reconnect DC Power to the unit and verify proper handling of the alarm from the panel.

SPECIFICATIONS

DIGITAL DIALER INTERFACE	
Format Compatibility	Contact ID, SIA, DMP, Modem IIe/IIIa[2], 4/2 (:10, :20, or :40 PPS)
Connector	RJ45 and screw terminals
Simulated telco line voltage	48 V DC On-Hook
Dial tone	350 + 440 Hz +/- 0.2%
Receive level minimum	- 45 dBm, 20 dBm S/N
Line impedance	600 ohms
Ringer Equivalence	0.3 REN
Mode	Loop start. 26 mA typical
POWER REQUIREMENTS	
Input Voltage	12V DC
Normal Current (On Hook)	125 mA
Maximum Current (Off Hook)	600 mA
Radio during Transmission - Average Current - Peak Current	215 - 250 mA 1.3 – 1.5 A
UL Power Requirements	Uninterruptable Class 2 power supply 12V DC/1.2 A

SPECIFICATIONS (CONT.)

RADIO	
Frequencies	850/1900 MHz
Sensitivity	-106 dB (typical)
ENVIRONMENTAL	
Temperature Range	-30° to +70° C
Humidity	0 to 95% non-condensing
PHYSICAL	
Height	2.5 inches
Width	5.4 inches
Depth	10.5 inches

APPENDIX A:
CONTACT ID, SIA EVENT, AND
MODEM IIe/IIIa^2 CODES

Following is a list of event codes that can be sent to the central station receiver for events generated by the CDMAEX:

EVENT DESCRIPTION	CONTACT ID EVENT CODE	SIA DC-03 EVENT CODE	MODEM IIe/IIIa^2
AC Fail	E301	AT	48
AC Restoral	R301	AR	49
Alarm (generic)	E140	UA	10
Burglary Alarm	E130	BA	10
Burglary Restoral	R130	BR	12
Burglary Tamper	E137	TA	10
Burglary Tamper Restoral	R137	TR	12
Closing	R400	CL	32
Fire Alarm	E110	FA	0B
Fire Restoral	R110	FR	0E
Fire Supervisory	E200	FS	11
Fire Supervisory Restoral	R200	FJ	12
High Temperature	E158	KA	10
High Temperature Restoral	R158	KR	12
Holdup Alarm	E122	HA	10
Holdup Restoral	R122	HR	12
Low Battery	E302	YT	4B
Low Battery Restoral	R302	YR	4C
Low Temperature	E159	ZA	10

APPENDIX A:
CONTACT ID, SIA EVENT, AND
MODEM IIe/IIIa^2 CODES (cont.)

EVENT DESCRIPTION	CONTACT ID EVENT CODE	SIA DC-03 EVENT CODE	MODEM IIe/IIIa^2
Low Temperature Restoral	R159	ZR	12
Medical Alarm	E100	MA	10
Medical Restoral	R100	MR	12
Opening	E400	OP	2F
Panic Alarm	E120	PA	10
Panic Restoral	R120	PR	12
Phone Fail	E350	LT	44
Phone Restoral	R350	LR	45
Radio Supervision Lost	E355	YC	11
Radio Supervision Restoral	R355	YK	12
Restoral (generic)	R140	UR	12
Service Completed	R616	YZ	12
Service Required	E616	YX	11
Telco Line Fail	E350	LT	44
Telco Line Restoral	R350	LR	45
Test	E602	TX	33
Trouble (generic)	E300	UT	11
Trouble Restoral (generic)	R300	UR	12
Trouble, System Peripheral	E330	ET	11
Trouble Restoral, System Peripheral	R330	ER	12

APPENDIX B:
CDMAEX DEFAULT EVENT CODES

The CDMAEX is defaulted to send both the Alarm/Trouble condition and the Restoral condition for all of the events listed below. Reporting of individual events can be controlled from the Dealer Website.

Following is a list of the default event codes sent by the CDMAEX:

EVENT DESCRIPTION	CONTACT ID EVENT CODE	SIA DC-03 EVENT CODE	MODEM IIE/LLLA[2]	ZONE NO. REPORTED
Low DC Voltage	E302	YT	4B	240
Low DC Restoral	R302	YR	4C	240
Cable Supervision Trouble	E616	YX	11	242
Cable Supervision Restoral	R616	YZ	12	242
Cellular Service Loss	E355	YC	11	243
Cellular Service Restoral	R355	YK	12	243
CDMAEX UNIT DISABLED	E616	YX	11	245
CDMAEX UNIT RESTORAL	R616	YZ	12	245
WATCHDOG CIRCUIT TROUBLE	E616	YX	11	246
Watchdog Circuit Restoral	R616	YZ	12	246
Test	E602	TX	33	000

UPLINK CDMAEX 4G PRIMARY ALARM COMMUNICATOR
INSTALLATION, OPERATION AND PROGRAMMING GUIDE

UPLINK SECURITY, LLC.

3330 CUMBERLAND BLVD., SUITE 700, ATLANTA, GA 30339

888-987-5465 (888-9-UPLINK)

WWW.UPLINK.COM

FOR SALES, PRODUCT INFORMATION & TECHNICAL SUPPORT

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