Radionics™

D6500 Security Receiver
Computer Interface Installation Manual

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> Radionics, Inc.
> c/o: Technical Writing Department
> 1800 Abbott Street
> Salinas, CA 93901

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1. Introduction

The D6500 Receiver processes incoming phone calls (with one or more messages in each phone call) from various types of digital alarm communicators simultaneously on up to eight individual phone lines. The receiver presents these messages using the D6500 LCD display, buzzer and internal printer. The messages can also be sent to a computer or external printer. The D6500 can supervise the response from the computer and can alert an operator to a message that the computer did not accept. The D6500 can be programmed to display each message as it is received, or wait until all of the messages in the incoming call are completed to begin presenting them.

The D6500 cable "pinouts" are controlled with a set of jumper pins and plugs on the D6515 MPU Terminator Card (see Figure 1, section 3.1). RS-232 protocol and additional controls are set in the D6500 MPU program. These can be easily changed with the D5200 Programmer loaded with the 6500 Product Handler program.

The D6500 will respond in different ways to the received messages, depending on how the available options are selected in the D6500 MPU program. The messages and the responses are described in this manual.

2. How It Works

A message is received from a digital communicator (or other compatible device). As each part of the message is received and accepted, the D6500 Line Card sends the communicator an "ACK TONE" (acknowledgment signal) telling the communicator that the message was received. This message is given to the MPU which then decides what to do with the message (depending on how the MPU is programmed). Typically, the choices are:

1. Display the message on the D6500 LCD display and print the message on the D6500 Internal Printer and/or External Printer.

2. Send the message to the computer via the RS-232 port.

3. Both of the above.

Most of the other choices in the D6500 Program describe HOW to send the messages to the computer or what to do if the computer is not able to accept a message.

IMPORTANT

The D6500 can output and display messages in the D6500 and the SIA modes only. *All references to the D6000 Mode have been removed and are no longer supported in the D6500 receiver.*

3. Making the Right Connections

There are a number of programming options in the D6500 MPU program that affect the output of the D6500 to an automation system. This section will serve as an addendum to the *D6500 Program Entry Guide (74-07253-000)* and the *D6500 Operation and Installation Manual (74-04651-000).*

3.1 Setting the Jumpers on the D6515 MPU Terminator

> ### WARNING!
> **Before adjusting any jumpers, make sure the D6500 Receiver is powered down as described in the *D6500 Security Receiver Operation and Installation Manual.***

WARNING

The D6515 MPU Terminator Card can be accessed from the back of the D6500 Receiver. The J3 Configuration Jumper on the MPU Terminator Card can be configured in two different ways (see Figure 1). Mode 1 uses RTS, CTS, DSR and DTR protocols and can be used with either Data Terminal Equipment (DTE) or Data Communication Equipment (DCE). In a Mode 1 configuration the automation system must first give permission before data is sent. In Mode 2 the automation computer is always ready to accept data.
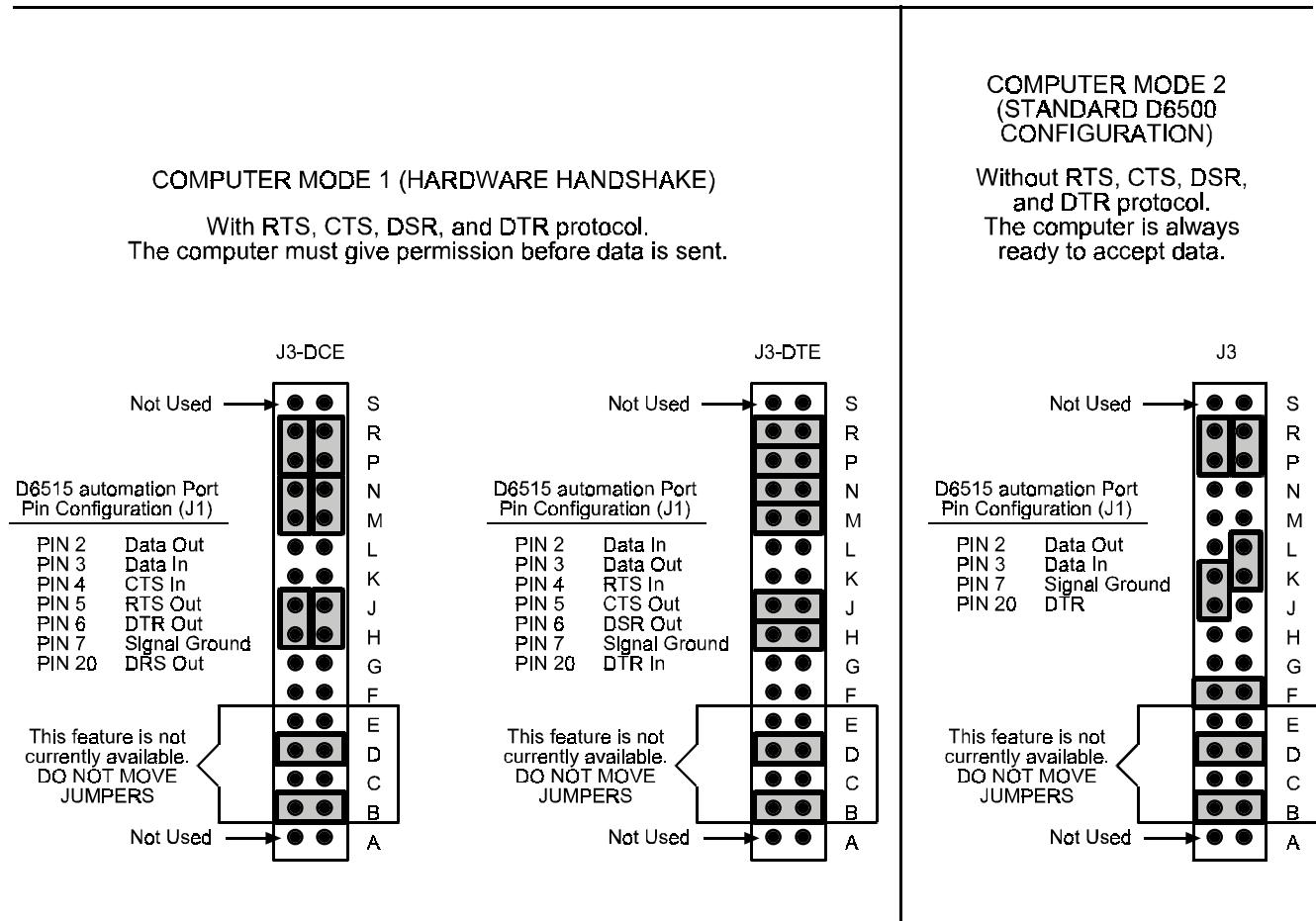

Figure 1: MODES 1 and 2 JUMPER CONFIGURATIONS

3.2 Selecting the Program Options in the D6500 MPU Program

Use the 6500:MPU Product Handler to program the D6500 Receiver. Program options allow the D6500 to send reports to the automation system in D6500 or SIA message format. Below are the most common and recommended selections for programming the 6500:MPU Handler when connecting the D6500 Receiver to an automation system. Additional selections can be found in the D6500 Program Entry Guide.

Global Parameters

Receiver Number   (Receiver Number) selects a number (ØØ to 99) that will appear in the receiver LCD display and print on the receiver's internal printer (40 Character Mode) for internally generated messages. The Receiver number is included in every message to the computer in both D6500 and SIA modes.

Armed Status   (Armed Status) (**Yes** or **No**) is normally set to **No**. When programmed **Yes**, the arming status of the D4112 and D6112 panels is displayed with transmitted test reports.

Auto Ack   (Auto Ack) (**Yes** or **No**) should be set to **Yes** when using a computer. **Yes** puts the D6500 in "automatic" mode, allowing it to process signals without any operator interaction. If this item is **No** the D6500 is in "MANUAL" mode, requiring two presses of the SLNC button after each signal is received before the receiver will proceed to the next message (one to silence the buzzer and one to clear the display). The buzzer re-starts about 45 seconds after the SLNC button is pressed once (if the display has not been cleared with a second press).

Buzz In Auto   (Buzz in Auto) (**Yes** or **No**) should be set to **Yes** when using a computer (see the D6500 Program Entry Guide).

Buzz Alarm   (Buzz Alarm) (**Yes** or **No**) is normally set to **No**. When programmed **Yes**, the Operator Alert buzzer will not sound upon receipt of non-alarm events (i.e., trouble, restoral, open/close, etc.). see also *Buzz In Auto*

Busy Second Rpts   (Busy Second Reports) must be programmed **Yes** for monitoring UL Certified accounts.

Call Blocking   (Call Blocking) (**Yes** or **No**). Radionics recommends **Yes** to group all messages from a call before presenting them. A blank line is inserted by the internal printer after the last message in the call. When ***Call Blocking*** is set to No, no blank line appears after the last message.

Point/User Text   (Point/User Text) is normally set to **Yes**. When programmed **No**, the D6500 will delete Point Text and user Text information from all output devices even if it is sent from the control panel.

Time Set Enable   (Time Set Enable) (**Yes** or **No**). Radionics recommends **Yes** to allow date and time setting from the front panel of the D6500.

Time Set Report   (Time Set Report) (**Yes** or **No**), if **No** setting time and date will not report to either the receiver display, receiver printer or any of the RS-232 outputs from the receiver.

Power Supv Rpts   (Power Supervision Reports) (**Yes** or **No**). Radionics recommends **Yes** to allow power loss and power restoral reports.

Line Card Groups and Supervision Parameters

Line Card 1   (Line Card Options) program as needed for Rotary Hunt Groups and through Supervision.

Line Card 8

Internal Printer Parameters

Device   (Internal Printer Select), usually set to **Primary** or **Secondary**. Other options include **Always On** and **Always Off**.

               NOTE: *Supervision* operates independently from *Device*.

Supervision   (Internal Printer Supervision) should be **Yes**. If the printer is not supervised by the receiver, there will be no indication at the computer if printer problems occur.

External Printer Parameters

Device   (External Printer Select), usually set to **Primary** or **Secondary**. Other options include **Always On** and **Always Off**.

Supervision   (External Printer Supervision) should be **Yes**. If the printer is not supervised by the receiver, there will be no indication at the computer, if printer problems occur.

XON/XOFF   (External Printer XON/XOFF) should be **Yes** to receive signals from the external printer

CR/LF   (External Printer Carriage Return/Line Feed) **Yes** enables a carriage return line feed between reports. **No** prints continuous reports.

Parity   (External Printer Parity) **Even** parity, **Odd** parity, **No** parity

Baud Rate   (External Printer Baud Rate) **110**, **300**, **600**, **1200**, **2400**.

Data Bits   (External Printer Bit Transmission Value) **Eight** bit data transmission or **Seven** bit data transmission.

Automation Config Parameters

Output Format   (Computer Output Format) Enable computer output messages in the selected format:

                         SIA   Computer Interface Standard format

                         6500   21 character format output

                                      (expanded reporting capabilities)

Device   (Computer Select), usually set to **Primary** or **Secondary**. Other options include **Always On** and **Always Off**.

Supervision   (Computer Supervision) set to **Yes** if a computer is used.

Group Reporting	(Group Reporting) **Yes** = the identifier for the telephone rotary group (G1, G2, G3, etc.) appears in positions 13 and 14 of the internal printer reports. **No** = The transmission format identifier (pulse, BFSK, modem, etc.) and line card number appears in reports.
	"B" if ***Group Reporting*** is programmed **No**, and the transmission format is BFSK.
	"L" if ***Group Reporting*** is programmed **No**, and the transmission format is Pulsed.
	"L" if ***Group Reporting*** is programmed **Yes** or **No**, and Internal Line Card Information is processed (e.g.: Busy Seconds, LC Boot Up, and card Trouble/Restored).
	"M" if ***Group Reporting*** is programmed **No**, and the transmission format is Modem II.
	"G" if ***Group Reporting*** is programmed **Yes**, and any transmission format is received.
BFSK Fire Bit	(Automation Fire - BFSK) (**Yes** or **No**) Set to **Yes** if the automation system supports the D6500 mode Fire event codes (sF – Fire Alarm, Gs – Fire Trouble, and Hs – Fire Restoral) when monitoring in BFSK. See the *D6500 Program Entry Guide* for more information.
ModemIIe Fire Bit	(Automation Fire - Modem IIe/IIIa2) (**Yes** or **No**) is normally set to **Yes**. Fire Events are sent to Automation systems as Fire Event codes. When programmed **No**, Fire Events are sent to Automation systems as Burglary/Alarm Events. See the *D6500 Program Entry Guide* for more information.
SIA Fire Rest.	(Modem IIe/IIIa2) (**Yes** or **No**) is normally set to **Yes**. All Radionics control/communicators using the Modem IIe/IIIA2 format differentiate between *Fire Restoral **after Alarm*** and *Fire Restoral **after Trouble/Missing/Supervisory*** in the message that is sent to the D6500 Receiver. SIA Automation Output Mode can also differentiate between these two message types, or it can combine them into a common *Fire Restoral* message. See the *D6500 Program Entry Guide* for more information.
Comp Confg	(Computer Configuration) determines how the "bits" are set in the data sent out of the RS-232 port of the D6500, usually **7,P,2** (7 data bits, parity, 2 stop bits). Set ***CompConfg*** to **8,N,1** (78data bits, no parity, 1 stop bit) for ABM automation systems when ***Output Format*** is set for SIA communications.
Comp Parity	(Computer Parity) determines how the parity "bits" are set in the data sent out of the RS-232 port of the D6500, usually **Odd** parity. Set ***CompParity*** to **Ø Fixed** for ABM automation systems when ***Output Format*** is set for SIA communications.
Baud Rate	(Computer Baud Rate) determines the serial data transmission rate (BPS) of the D6500, usually **1200 baud**. Set ***Comp Parity*** to **9600** for ABM automation systems when ***Output Format*** is set for SIA communications.
Handshake	(Handshake) usually an **ACK** type handshake from computer. NOTE: This program item has no effect if ***Output Format*** is set to **Ø SIA** communications mode.
Ack Character	(Acknowledge Character) usually a **6** (ACK). Do not program ACK as a blank or **ØØ**. This will result in "all" characters acting as an acknowledge for transmitted data.
Nack Character	(Not Acknowledge Character) usually a **15** (NACK).

Trailer Character	(Trailer Character) sent at the end of D6500 Mode messages, usually a **14**.	
Automation Wait	(Automation Acknowledgment Wait Time) (**0 to 255 seconds**) is normally **7** seconds. If the Automation Acknowledgment message is not received by the end of this time interval, the D6500 will generate a Computer trouble message and activate its buzzer.	
6500 Header Char	(Header Character) This character is sent in front of every standard D6500 Mode message (normally 21 characters long) and makes the message 22 characters long.	
Input Commands	(Input Commands) (**Yes** or **No**) is usually **No** for Automation systems communicating in SIA mode and **Yes** for Automation systems communicating in D6500 mode. See the *D6500 Program Entry Guide* for more information.	
Link test	(Link Test) (**Yes** or **No**) is usually **No** to disable/reject Link Tests. Set to **Yes** to initiate/accept a Link Test to/from the Automation system.	
Packet Sep.(/)	This prompt enables the final packet separator (/) (in SIA output mode) when messages with event modifiers are sent to automation. Usually set to **No**.	
Sub Subscriber	This is a programmable, Modem Format only, item that determines whether the specific access control card or token number identifier (sub user) is additionally sent to the SIA automation output. Usually set to **No**.	

3.3 Other Important MPU Program Options

Operation of the buzzer, the internal printer, the external printer, and the RS-232 output depends on the configuration of these devices: "Always Off, Primary, Secondary or Always On". Operation also depends on whether the D6500 is in the Manual or Automatic mode.

	Non Certified/ Full Manual	UL Burg/Automatic (without Computer)	UL Fire/Burg/Automatic (with Computer)
MPU GLOBAL			
Auto Ack	No	Yes	Yes
Buzz in Auto	Yes	Yes	Yes
Buzz Alarm	No	No	No
Busy Second Rpts	Yes	Yes	Yes
Power Supv Rpts	Yes	Yes	Yes
MPU LINE CARD SUPERVISION			
Line Card (1 through 8)	Yes	Yes	Yes
MPU Internal and External Printer			
Device	Primary	Primary	Always On
Supervision	Yes	Yes	Yes
MPU AUTOMATION CONFIG			
Device	Always Off	Always Off	Primary
Supervision	Yes	Yes	Yes
Output Format	6500	6500	6500
LINE CARD			
Line Sniff	Yes	Yes	Yes
Duration	0	0	0
Refresh	0	0	0

Table 1: D6500 PROGRAM ITEMS

Manual with Supervised Printer

In manual mode without computer, messages will be displayed on the D6500's LCD and printed on the printer. The buzzer will sound until silenced by the operator (by pressing the SLNC button). The message will stay in the display until the SLNC button is pressed a SECOND time. If the button is not pressed a second time to clear the display, after about 45 seconds the buzzer will start again. The SLNC button must be pressed to silence the buzzer and then pressed a second time to clear the display. *This mode may **NOT** be used if monitoring UL certified alarm systems.*

Automatic Operation With Supervised Printer

In the automatic mode without computer the receiver prints the message, displays the message in the LCD only while printing and then turns on the buzzer if item ***Buzz In Auto*** is set to **Yes**. The buzzer stays on until the silence button is pressed once by the operator. If multiple messages are received, the receiver displays and prints them with the buzzer on. Only one press of the SLNC button is needed to silence the buzzer. If the printer is not working, the D6500 goes into manual mode requiring two presses of the SLNC button. This enables the operator to write down the message shown in the display and advance to the next message. When the printer starts working again, the D6500 will resume working in the automatic mode.

WARNING:
When the internal printer is inoperative or turned off the red PNTR indicator on the MPU Card is constantly "on". This indicates that the operator must use caution in acknowledging signals with the SLNC button. Press the button ONCE to silence the buzzer. *Write down the message* and press the SLNC button once more to advance to the next message. Use caution when pressing the SLNC button, because it will clear incoming messages if pressed too many times.

Supervised Printer Always On

When the computer is primary and the supervised printer is primary, the message is displayed on the LCD while it is printing on the printer. At the same time the message is sent to the computer system. The buzzer is on until either the operator presses the SLNC button OR the computer system sends an ACK (as programmed in the D6500). If the receiver does not get or understand the acknowledgment within 7 seconds, the D6500 sends the message AGAIN to the printer and the LCD, then prints the message COMPUTER TROUBLE (this takes 7 seconds).

If the receiver gets a NAK (as programmed in the D6500) the receiver retransmits the message to the computer system up to two additional times. After three attempts the D6500 acts as if the message was not ACKed, it proceeds to display the message on the LCD and print the message again on the printer along with a COMPUTER TROUBLE message.

Printer Only If Computer Fails

When the D6500 is operating so that the printer only works when the computer system "fails", the printer and buzzer will print/buzz if the D6500 does not receive an ACK from the computer system. When a message is received, it is displayed in the LCD while it is sent to the computer system. If the computer system ACKs the message the display clears and the D6500 is ready to send the next message. If the computer system does not ACK within 7 seconds or sends more than three NAKs, the message is printed on the printer and the buzzer starts. The LCD display clears when the message is printed to the printer. The buzzer can be silenced by pressing the SLNC button once, even if multiple messages have been printed. If a subsequent message is transmitted to the computer system and the computer system accepts the message (ACKs it) the receiver buzzer silences.

NOTE: When the printer becomes inoperative and the signal is not acknowledged by the computer, the receiver goes into the MANUAL mode. The signals must be manually acknowledged by pressing the SLNC button twice: Once to silence the buzzer, and once to clear the message in the LCD display. If the printer is not operating then the operator will need to write down each message as it is displayed before pressing the SLNC button to clear the display.

Unsupervised Printer Always On

When using a computer system and an unsupervised printer the D6500 will go immediately into manual mode if the computer system does not properly acknowledge a message (even if the printer is working). The SLNC button must be pressed twice (see above) before the receiver will try to send the next message to the computer system. The receiver buffers other messages until the display is cleared manually. If the printer runs out of paper, is switched off, or malfunctions, the receiver continues to process messages automatically. **NOTE:** *The internal printer is supervised when configured for this mode of operation if INTERNAL PRINTER **Supervision** is* **Yes***. The external printer is supervised when configured for this mode of operation if item EXTERNAL PRINTER **Supervision** is* **Yes***.*

Logging Only, Printer/Computer

When programmed in this configuration, incoming messages will be sent to the printer and to the automation system. The printer will be supervised if programmed accordingly. The automation port will also be supervised if item *Handshake* is programmed as **Ack**.

4. The "Computer RS-232 Port" (D6515 MPU Terminator)

Depending on how item *Output Format* is set, there are three ways the D6500 can send information to the COMP RS-232 Port on the MPU Terminator Card (see the *D6500 Operation and Installation Manual*). The user can select either the D6500 mode or the SIA mode. All messages are presented to the RS-232 output in standard ASCII format. These messages can be displayed on an automation computer, a CRT, or printed out on an external printer. A detailed explanation of interpreting the internal printer **40-character mode messages** can be found in the *D6500 Operation and Installation Manual.*

The D6500 accepts a set of four input commands through the computer RS-232 port. An automation system would be a typical input device. Two of the four commands allow you to set the D6500's time and date. One command allows you to switch line cards during listen in. The fourth command allows you to stop a listen in session.

4.1 D6500 Mode Messages

The D6500 mode of the RS-232 output supports different message formats (types). The second byte of each message specifies the type of the message (Type 1 or Type 3) and the method in which the other bytes should be decoded.

For each message, Type 1 (Standard Digital) and Type 3 (Text Message) there is a one line printout on the D6500 internal printer for each different message sent to the computer (not including retries). Depending on the device selection, the D6500 internal printer will print the message with a computer trouble message. The computer trouble message will NOT be sent to the computer.

Each message type consists of 22 bytes of information beginning with a header character (h) and ending with a trailer character (t). Below is an example of the two message types available and describes each byte or character in a D6500 message.

4.1.1 Message Type 1 (Standard Digital Message)

D6500 Byte Description																					
1	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**	**13**	**14**	**15**	**16**	**17**	**18**	**19**	**20**	**21**	**22**
h	l	r	r	l	s	s	s	s	s	s	a	a	a	a	s	O	s	i	y	y	t

Type 1 Example shown above.

1 = Header Character (h)   Optional, programmed in ***6500 Header Char***.

2 = Message Type   This byte will tell a computer system which decoding path to use. For a standard digital message the type is ASCII 1.

3 through **4 = Receiver Number**   This 2 byte ASCII HEX field is the number of the receiver that sent the message (as programmed in ***Receiver Number***).

5 = Line Card Number   This 1 byte ASCII HEX field is the line number of the Line Card in the receiver that sent the message.

6 through **11**   Unused ASCII spaces.

12 through **15 = Account Number**   This 4 byte ASCII HEX field is the communicator's account number. Account numbers less than four characters will be right justified with leading ASCII spaces.

16 through **17 = Event Code**   This is a 2 byte ASCII TEXT field. It defines the type of signal that was received and interpreted by the 6500 Receiver. See Figure 5 for a list of valid codes.

18 through **21 = Zone Number**   This 4 byte ASCII HEX field is the zone or ID number sent by the communicator. Zone numbers less than four digits will be right justified with   leading ASCII spaces.

22 = Trailer Character   Programmed in ***Trailer Char***. Typically this is a HEX 14.

4.1.2 Message Type 3 (Text Message)

D6500 Byte Description																					
1	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**	**13**	**14**	**15**	**16**	**17**	**18**	**19**	**20**	**21**	**22**
h	3	r	r	s	P	R	I	N	T	E	R						v	v	.	v	t

Type 3 Example shown above.

1 = Header Character (h)   Optional, programmed in ***6500 Header Char***.

2 = Message Type   For a Text Message the type is an ASCII 3.

3 through **4 = Receiver Number**   This 2 byte ASCII HEX field is the number of the receiver that sent the message (as programmed in the D6500).

5 = Line Number   This 1 byte ASCII HEX field is the line number of the Line Card in the receiver that sent the message.

6 through **21 = Message Text**   16 characters in length.

22 = Trailer Character   Programmed in ***Trailer Char***. Typically this is a HEX 14.

Byte	Message Type 1 Hex	Message Type 1 Description	Message Type 3 Hex	Message Type 3 Description
1		Header		Header
2	31	Message type 1	33	Message type 3
3	**	First digit of receiver number (ASCII)	**	First digit of receiver number (ASCII)
4	**	Second digit of receiver number (ASCII)	**	Second digit of receiver number (ASCII)
5	**	Line Number (ASCII)	**	Line Number (ASCII)
6	20	Space	**	First character of message text
7	20	Space	**	Second character of message text
8	20	Space	**	Third character of message text
9	20	Space	**	Fourth character of message text
10	20	Space	**	Fifth character of message text
11	20	Space	**	Sixth character of message text
12	**	First character of acct# (ASCII)	**	Seventh character of message text
13	**	Second character of acct# (ASCII)	**	Eighth character of message text
14	**	Third character of acct# (ASCII)	**	Ninth character of message text
15	**	Fourth character of acct# (ASCII)	**	Tenth character of message text
16	**	First character of event code (ASCII)	**	Eleventh character of message text
17	**	Second character of event code (ASCII)	**	Twelfth character of message text
18	**	Space	**	Thirteenth character of message text
19	**	First character of Zone/ID# (ASCII)	**	Fourteenth character of message text
20	**	Second character of Zone/ID# (ASCII)	**	Fifteenth character of message text
21	**	Third character of Zone/ID# (ASCII)	**	Sixteenth character of message text
22	**	Trailer (as programmed)	**	Trailer
**	Information is dependent on programming and transmitted data.			

Table 3: D6500 MODE MESSAGE BYTE COMPARISON CHART

4.3 SIA Mode Messages

The D6500 can transmit automation messages in SIA mode. A message in SIA format consists of a line feed, header characters, account number, data, and a carriage return, as shown below.

```
                 SIA Mode Byte Description

              <header>[#aaaa|data]<CR>

    <LF><checksum><tab><sequence #><receiver #><line #>[#aaaa|data]<CR>

    Example:    E79D1A      00060102[#7112|NrilFA100]
```
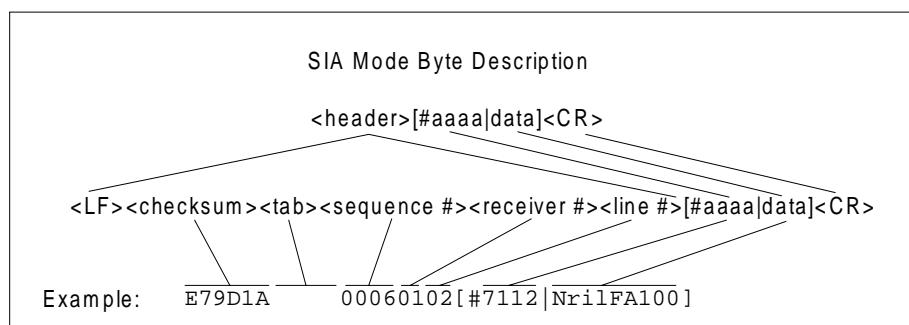
LF   Standard line feed character.

Header   The header of an SIA format message consists of:

> **checksum**   This 6 byte ASCII HEX field is the cyclical redundancy check (CRC) number.
>
> **tab**   09 hex
>
> **sequence#**   This 4 digit field is the message sequence number. The valid sequence number range is: 0001 - 9999.
>
> **receiver#**   This 2 byte ASCII HEX field is the number of the receiver that sent the message. Valid digits are: 00-99 (D6500), as programmed in D6500:MPU **Receiver Number**.
>
> **line card#**   This 2 byte ASCII HEX field is the line number of the line card in the receiver that sent the message. Valid digits are: 0-8. The D6500 uses linecard #0 for receiver messages.

Account #   This 4 byte ASCII HEX field is the communicator's account number.

Data   This field contains message data codes, such as event type, area number, point number, identification number, etc. Information in the data field is presented as shown in the examples below. Each event has a unique event code. Point number, relay number, and time information is included if applicable to the event. SIA Mode labels - literal ASCII letters that are output to the automation system - are indicated in **bold** in the Data field.

```
Example 1:                    [#7112|Nri1FA100]
                                __|__  _|_  |  |  |    |
                              account "New" area# area# event point#
                              number  label label       code


Example 2:                    [#0045|Nri3/id001HA048]
                               __|__  _|_  |   |   |    |    |    |
                             account "New" area# area# id#  id#  event point#
                             number  label label         label  code
```
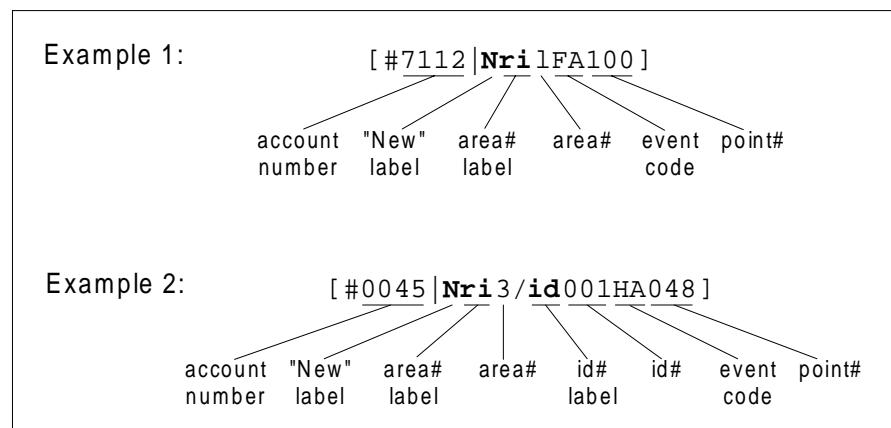
The D6500 SIA mode output conforms to the standards specified in the SIA *Digital Communication Standard (September 1990)* and *Computer Interface Standard (June 1990)* with the following exceptions:

- The "*" block identifier code is not supported. Messages handled in D6500 manual mode are not transmitted to the automation system.

- The SIA Computer Interface Standard calls for an "R" (Rejecting Data) block identifier code message from the receiver to indicate that it can not accept a command from the automation system. The receiver sends the "R" (Rejecting Data) block identifier code message to the automation system's computer.

   The D6500 uses the "R" (Rejecting Data) block identifier code message in response to any commands from the automation system, including the "H" and "D" block identifier codes and when control, programming or ASCII data is sent to the receiver as part of a response to a message from the receiver to the computer (p. 17, CIS 6/90)

- Multiple event packets are not supported. The D6500 always transmits single event packets to the automation system. The D6500 requires the host computer to use sequence numbers in acknowledgment messages.

- Hardware lines, rather than null messages, are usually used to test the link between the receiver and the computer (See Section 4.6, Link Test).

- When the primary output device fails to respond, the message is transmitted to the secondary device. If the secondary device fails, the receiver goes into manual mode. Messages are not repeated at 4 second intervals, as specified in the SIA *Computer Interface Standard*.

- The D6500 method of computer failure reporting is consistent with previous versions of the D6500. The computer failure reporting methods specified in the SIA *Computer Interface Standard* are not supported.

a	=	account number digit (`0-F`) or area number digit (`1-8`)
ai	=	Sked field label
c	=	code identification digit
d	=	serial device interface digit
h	=	hour digit, phone number, phone line #
i	=	user or operator identification digit (`001-099`)
id	=	identification field label
k	=	Sked identification digit (`01-64`)
m	=	minute digit
n	=	condition number digit
N	=	"new" signal label - the data which follows is new to the receiver.
O	=	"old" signal label - the data which follows has been previously processed by the receiver.
p	=	point identification digit (D9112: `1-134`, D7112: `001-048`) or path number digit
ph	=	phone number field label
pi	=	serial device interface field label
r	=	relay identification digit
ri	=	area number field label
ti	=	time field label

Table 5: DIGIT/CHARACTER CODE - SIA MODE

NOTES: Account numbers with less than 4 digits have leading spaces in the SIA mode.

SIA Mode labels – literal ASCII letters that are output to the automation system – are indicated in **bold.** Example: The user ID label in the D9112 Modem II "Closing Early By Area" signal is shown as:

<header> [#aaaa|**Nri**a/**id**iiiCK]

4.4 D6500 Internal and External Output Messages

The following pages list the messages that can be seen on the internal and external printers (40 character single or double line mode), or a computer terminal display connected to the RS-232 output (D6500 or SIA Mode). See Figures 5, 6, and 7 for individual character (byte) descriptions. A detailed explanation of interpreting internal printer 40 Character Mode messages can be found in the *D6500 Operation and Installation Manual.*

```
a        = account number digit (0-F) / second line: area ID
b        = busy seconds percentage digit (0-9)
c        = second line: code change ID
d        = date digit / second line: SDI ID or External Device ID
g        = second line: cross point group number or route group
h        = programmable header character / second line: hour, phone line #, or phone index #
i        = subzone digit or MASTER combo ID digit (0-F) / second line: user ID or operator ID
j        = Listen-In time digit
k        = second line: SKED ID
l        = line number digit (1-8) or second line: level
m        = second line: minute
n        = second line: condition
p        = second line: point ID or communication path ID
q        = (L)ine, (G)roup, (B)FSK, or (M)odem II

           Always included in 40 character printed message.
r        = receiver number digit (0-9) / second line: relay ID
s        = space
t        = programmable trailer character (t is also used as a time digit)
v        = software version number digit (0-9) / second line: value
x        = D6112 zone number digit reported as a decimal number (10-16) /
             second line: subuser ID
y        = D8112 point digit associated with a home zone or Comex ID
z        = D6112 zone or D8112 master zone number digit reported as a (0-F)
not exp  = not expanded report
#        = pulse error expansion digit
```

Table 6: DIGIT/CHARACTER CODE - PRINTER / D6500 / SIA MODES

NOTES: Account numbers with less than 4 digits have leading spaces in the D6500 mode.

D7112 and D9112B Messages Transmitted in Modem II

The following messages can be transmitted in Modem II format by D7112 and D9112**B** Control/Communicators unless otherwise noted (by *D7112* or *D9112*).

Signal	D6500 Internal/External Printer		Automation Output Format		Notes
			D6500 Mode	SIA Mode	
D7112/D9112B Fire Messages – Modem II					
Fire Alarm	dd/dd tt:tt ql ACCT aaaa FIRE ALARM		h1rrlssssssaaaasFspppt	<header>[#aaaa|**Nri**aFAppp]	1, 10
	+++ ACCT aaaa	AREA=a POINT=ppp	<area not reported>		
Fire Trouble	dd/dd tt:tt ql ACCT aaaa FIRE TROUBLE		h1rrlssssssaaaaGsspppt	<header>[#aaaa|**Nri**aFTppp]	1, 10
	+++ ACCT aaaa	AREA=a POINT=ppp	<area not reported>		
Fire Missing	dd/dd tt:tt ql ACCT aaaa MISSING FIRE		h1rrlssssssaaaasMspppt	<header>[#aaaa|**Nri**aFYppp]	1, 10
	+++ ACCT aaaa	AREA=a POINT=ppp	<area not reported>		
Fire Restoral after Alarm	dd/dd tt:tt ql ACCT aaaa FIRE RESTORAL		h1rrlssssssaaaaHsspppt	<header>[#aaaa|**Nri**aFRppp]	1, 10
	+++ ACCT aaaa	AREA=a POINT=ppp	<area not reported>		
Fire Restore after Trouble/Missing	dd/dd tt:tt ql ACCT aaaa FIRE RESTORAL		h1rrlssssssaaaaHsspppt	<header>[#aaaa|**Nri**aFRppp]	1, 10
	+++ ACCT aaaa	AREA=a POINT=ppp	<area not reported>		
Fire Walk Start	dd/dd tt:tt ql ACCT aaaa FIRE WALK START		h1rrlssssssaaaasTsssFt	<header>[#aaaa|**Nri**a/**id**iiiFI]	1, *D9112*
	+++ ACCT aaaa	AREA=a ID=iii	<area not reported>		
Fire Walk End	dd/dd tt:tt ql ACCT aaaa FIRE WALK END		h1rrlssssssaaaasRsssFt	<header>[#aaaa|**Nri**aFK]	*D9112*
	+++ ACCT aaaa	AREA=a	<area not reported>		
D7112/D9112B Alarm Messages – Modem II					
Alarm	dd/dd tt:tt ql ACCT aaaa ALARM REPORT		h1rrlssssssaaaasAspppt	<header>[#aaaa|**Nri**aBAppp]	1, 10
	+++ ACCT aaaa	AREA=a POINT=ppp	<area not reported>		
Duress	dd/dd tt:tt ql ACCT aaaa DURESS		h1rrlssssssaaaasDsiiit	<header>[#aaaa|**Nri**a/**id**iiiHA]	1
	+++ ACCT aaaa	AREA=a ID=iii	<area not reported>		
User Alarm 7	dd/dd tt:tt ql ACCT aaaa USER ALARM CMD7		h1rrlssssssaaaasUsss7t	<header>[#aaaa|**Nri**a/**id**iiiUA]	1
	+++ ACCT aaaa	AREA=a ID=iii	<id not reported>		
User Alarm 7 (ID not reported)	dd/dd tt:tt ql ACCT aaaa USER ALARM CMD7		h1rrlssssssaaaasUsss7t	<header>[#aaaa|**Nri**aUA]	1, *D7112*
	+++ ACCT aaaa	AREA=a	<id not reported>		

Signal	D6500 Internal/External Printer	D6500 Mode	SIA Mode	Notes

D7112/D9112B Alarm Messages – Modem II *(continued)*

Signal	D6500 Internal/External Printer	D6500 Mode	SIA Mode	Notes
User Alarm 9	dd/dd tt:tt ql ACCT aaaa USER ALARM CMD9 +++ ACCT aaaa AREA=a ID=iii	h1rrlssssssaaaasUsss9t \<id not reported\>	\<header\>[#aaaa|**Nri**a/**id**iiiPA]	1
User Alarm 9 (ID not reported)	dd/dd tt:tt ql ACCT aaaa USER ALARM CMD9 +++ ACCT aaaa AREA=a	h1rrlssssssaaaasUsss9t \<id not reported\>	\<header\>[#aaaa|**Nri**aPA]	1, *D7112*
Cancel Alarm	dd/dd tt:tt ql ACCT aaaa CANCEL ALARM +++ ACCT aaaa AREA=a ID=iii	h1rrlsssssssaaaas\sssst \<area, id not reported\>	\<header\>[#aaaa|Nria/idiiiBC]	1
Trouble	dd/dd tt:tt ql ACCT aaaa TROUBLE REPORT +++ ACCT aaaa AREA=a POINT=ppp	h1rrlsssssssaaaasTspppt \<area not reported\>	\<header\>[#aaaa|**Nri**aBTppp]	1, 10
Restoral	dd/dd tt:tt ql ACCT aaaa RESTORAL REPORT +++ ACCT aaaa AREA=a POINT=ppp	h1rrlsssssssaaaasRspppt \<area not reported\>	\<header\>[#aaaa|**Nri**aBRppp]	1, 10
Missing Alarm	dd/dd tt:tt ql ACCT aaaa MISSING ALARM +++ ACCT aaaa AREA=a POINT=ppp	h1rrlsssssssaaaasMspppt \<area not reported\>	\<header\>[#aaaa|**Nri**aUZppp]	1, 10
Missing Trouble	dd/dd tt:tt ql ACCT aaaa MISSING TROUBLE +++ ACCT aaaa AREA=a POINT=ppp	h1rrlsssssssaaaasVspppt \<area not reported\>	\<header\>[#aaaa|**Nri**aUYppp]	1, 10

D7112/D9112B Open and Close Reports – Modem II

Signal	D6500 Internal/External Printer	D6500 Mode	SIA Mode	Notes
Point Opening	dd/dd tt:tt ql ACCT aaaa POINT OPENING +++ ACCT aaaa AREA=a POINT=ppp	h1rrlsssssssaaaasOspppt \<area not reported\>	\<header\>[#aaaa|**Nri**aOZppp]	1, 10
Early Open By Area	dd/dd tt:tt ql ACCT aaaa EARLY TO OPEN +++ ACCT aaaa AREA=a ID=iii	h1rrlsssssssaaaasOsiiit \<area not reported\>	\<header\>[#aaaa|**Nri**a/**id**iiiOK]	1
Early Open By Area (ID not reported)	dd/dd tt:tt ql ACCT aaaa EARLY TO OPEN +++ ACCT aaaa AREA=a	h1rrlsssssssaaaasOsssst \<area not reported\>	\<header\>[#aaaa|**Nri**aOK]	1, *D7112*
Early Open By Account	dd/dd tt:tt ql ACCT aaaa EARLY TO OPEN +++ ACCT aaaa ID=iii	h1rrlsssssssaaaasOsiiit	\<header\>[#aaaa|**Nid**iiiOK]	1, *D7112*
Early Open By Account (ID not reported)	dd/dd tt:tt ql ACCT aaaa EARLY TO OPEN	h1rrlsssssssaaaasOsssst	\<header\>[#aaaa|**N**OK]	1, *D7112*

Signal	D6500 Internal/External Printer	D6500 Mode	SIA Mode	Notes
D7112/D9112B Open and Close Reports – Modem II *(continued)*				
Opening By Area	dd/dd tt:tt ql ACCT aaaa OPENING REPORT +++ ACCT aaaa AREA=a ID=iii	h1rrlsssssssaaaasOsiiit <area not reported>	<header>[#aaaa|**Nri**a/**id**iiiOP]	1
Opening By Area (ID not reported)	dd/dd tt:tt ql ACCT aaaa OPENING REPORT +++ ACCT aaaa AREA=a	h1rrlsssssssaaaasOsssst <area not reported>	<header>[#aaaa|**Nri**aOP]	1, *D7112*
Opening By Account	dd/dd tt:tt ql ACCT aaaa OPENING REPORT +++ ACCT aaaa ID=iii	h1rrlsssssssaaaasOsiiit	<header>[#aaaa|**Nid**iiiOP]	1
Opening By Account	dd/dd tt:tt ql ACCT aaaa OPENING REPORT	h1rrlsssssssaaaasOsssst	<header>[#aaaa|**N**OP]	1, *D7112*
Late Opening By Area	dd/dd tt:tt ql ACCT aaaa LATE TO OPEN +++ ACCT aaaa AREA=a ID=iii	h1rrlsssssssaaaasOsiiit <area not reported>	<header>[#aaaa|**Nri**a/**id**iiiOJ]	1
Late Opening By Area (ID not reported)	dd/dd tt:tt ql ACCT aaaa LATE TO OPEN +++ ACCT aaaa AREA=a	h1rrlsssssssaaaasOsssst <area not reported>	<header>[#aaaa|**Nri**aOJ]	1, *D7112*
Late Opening By Account	dd/dd tt:tt ql ACCT aaaa LATE TO OPEN +++ ACCT aaaa ID=iii	h1rrlsssssssaaaasOsiiit	<header>[#aaaa|**Nid**iiiOJ]	1, *D7112*
Late Opening By Account (ID not reported)	dd/dd tt:tt ql ACCT aaaa LATE TO OPEN	h1rrlsssssssaaaasOsssst	<header>[#aaaa|**N**OJ]	1, *D7112*
Fail To Open By Area	dd/dd tt:tt ql ACCT aaaa FAIL TO OPEN +++ ACCT aaaa AREA=a	h1rrlsssssssaaaasTsssEt <area not reported>	<header>[#aaaa|**Nri**aOI]	
Point Closing	dd/dd tt:tt ql ACCT aaaa POINT CLOSING +++ ACCT aaaa AREA=a POINT=ppp	h1rrlsssssssaaaasCspppt <area not reported>	<header>[#aaaa|**Nri**aCZppp]	1, 10
Closing Early By Area	dd/dd tt:tt ql ACCT aaaa CLOSING EARLY +++ ACCT aaaa AREA=a ID=iii	h1rrlsssssssaaaasCsiiit <area not reported>	<header>[#aaaa|**Nri**a/**id**iiiCK]	1
Closing Early By Area (ID not reported)	dd/dd tt:tt ql ACCT aaaa CLOSING EARLY +++ ACCT aaaa AREA=a	h1rrlsssssssaaaasCsssst <area not reported>	<header>[#aaaa|**Nri**aCK]	1, *D7112*

Signal	D6500 Internal/External Printer	Automation Output Format		Notes
		D6500 Mode	SIA Mode	
D7112/D9112B Open and Close Reports – Modem II *(continued)*				
Closing Early By Account	dd/dd tt:tt ql ACCT aaaa CLOSING EARLY +++ ACCT aaaa ID=iii	h1rrlsssssssaaaasCsiiit	\<header>[#aaaa|**Nid**iiiCK]	1, *D7112*
Closing Early By Account (ID not reported)	dd/dd tt:tt ql ACCT aaaa CLOSING EARLY	h1rrlsssssssaaaasCsssst	\<header>[#aaaa|**N**CK]	1, *D7112*
Closing Late by Area	dd/dd tt:tt ql ACCT aaaa CLOSING LATE +++ ACCT aaaa AREA=a ID=iii	h1rrlsssssssaaaasCsiiit \<area not reported>	\<header>[#aaaa|**Nri**a/**id**iiiCJ]	1
Closing Late by Area (ID not reported)	dd/dd tt:tt ql ACCT aaaa CLOSING LATE +++ ACCT aaaa AREA=a	h1rrlsssssssaaaasCsssst \<area not reported>	\<header>[#aaaa|**Nri**aCJ]	1, *D7112*
Closing Late by Account	dd/dd tt:tt ql ACCT aaaa CLOSING LATE +++ ACCT aaaa ID=iii	h1rrlsssssssaaaasCsiiit \<area not reported>	\<header>[#aaaa|**Nid**iiiCJ]	1, *D7112*
Closing Late by Account (ID not reported)	dd/dd tt:tt ql ACCT aaaa CLOSING LATE	h1rrlsssssssaaaasCsssst	\<header>[#aaaa|**N**CJ]	1, *D7112*
Closing by Area	dd/dd tt:tt ql ACCT aaaa CLOSING REPORT +++ ACCT aaaa AREA=a ID=iii	h1rrlsssssssaaaasCsiiit \<area not reported>	\<header>[#aaaa|**Nri**a/**id**iiiCL]	1
Closing by Area (ID not reported)	dd/dd tt:tt ql ACCT aaaa CLOSING REPORT +++ ACCT aaaa AREA=a	h1rrlsssssssaaaasCsssst \<area not reported>	\<header>[#aaaa|**Nri**aCL]	1, *D7112*
Closing by Account	dd/dd tt:tt ql ACCT aaaa CLOSING REPORT +++ ACCT aaaa ID=iii	h1rrlsssssssaaaasCsiiit \<area not reported>	\<header>[#aaaa|**Nid**iiiCL]	1
Closing by Account (ID not reported)	dd/dd tt:tt ql ACCT aaaa CLOSING REPORT	h1rrlsssssssaaaasCsssst \<area not reported>	\<header>[#aaaa|**N**CL]	1, *D7112*
Fail To Close by Area	dd/dd tt:tt ql ACCT aaaa FAIL TO CLOSE +++ ACCT aaaa AREA=a	h1rrlsssssssaaaasTsssEt \<area not reported>	\<header>[#aaaa|**Nri**aCI]	
Extend Close Time by Area	dd/dd tt:tt ql ACCT aaaa EXTN CLOSE TIME +++ ACCT aaaa AREA=a ID=iii TIME=hh:mm	h1rrlsssssssaaaasTsD26t	\<header>[#aaaa|**Nri**a/**id**iii/**ti**hhmmCE]	1

Signal	Automation Output Format D6500 Internal/External Printer		D6500 Mode	SIA Mode	Notes

D7112/D9112B Open and Close Reports – Modem II *(continued)*

Signal	Automation Output Format D6500 Internal/External Printer		D6500 Mode	SIA Mode	Notes
Extend Close Time by Area (ID not reported)	dd/dd tt:tt ql ACCT aaaa +++ ACCT aaaa	EXTN CLOSE TIME AREA=a TIME=hh:mm	h1rrlssssssaaaasTsD26t	<header>[#aaaa|**Nri**a/**ti**hhmmCE]	1, *D7112*
Perimeter Instant by Area	dd/dd tt:tt ql ACCT aaaa +++ ACCT aaaa	PERM INST ARMED AREA=a ID=iii	h1rrlssssssaaaasCsiiit	<header>[#aaaa|**Nri**a/**id**iiiNL]	1
Perimeter Instant by Area (ID not reported)	dd/dd tt:tt ql ACCT aaaa +++ ACCT aaaa	PERM INST ARMED ID=iii	h1rrlssssssaaaasCsssst	<header>[#aaaa|**Nri**aNL]	1, *D7112*
Perimeter Delay by Area	dd/dd tt:tt ql ACCT aaaa +++ ACCT aaaa	PERM DLAY ARMED AREA=a ID=iii	h1rrlssssssaaaasCsiiit	<header>[#aaaa|**Nri**a/**id**iiiNL]	1
Perimeter Delay by Area (ID not reported)	dd/dd tt:tt ql ACCT aaaa +++ ACCT aaaa	PERM DLAY ARMED AREA=a	h1rrlssssssaaaasCsssst	<header>[#aaaa|**Nri**aNL]	1, *D7112*
Was Force Armed	dd/dd tt:tt ql ACCT aaaa	WAS FORCE ARMED	h1rrlssssssaaaasWsssst	<header>[#aaaa|NCW]	
Force Close by Area	dd/dd tt:tt ql ACCT aaaa	FORCED CLOSE	h1rrlssssssaaaasCsiiit	<header>[#aaaa|**Nri**a/**id**iiiCF]	1
Force Close by Account	dd/dd tt:tt ql ACCT aaaa +++ ACCT aaaa	FORCED CLOSE ID=iii	h1rrlssssssaaaasCsiiit	<header>[#aaaa|**Nid**iiiCF]	1, *D7112*
Force Close by Account (ID not reported)	dd/dd tt:tt ql ACCT aaaa	FORCED CLOSE	h1rrlssssssaaaasCsssst	<header>[#aaaa|**N**CF]	1, *D7112*
Force Close Early by Area	dd/dd tt:tt ql ACCT aaaa +++ ACCT aaaa	F CLOSE EARLY AREA=a ID=iii	h1rrlssssssaaaasCsiiit	<header>[#aaaa|**Nri**a/**id**iiiCF]	1
Force Close Early by Area (ID not reported)	dd/dd tt:tt ql ACCT aaaa +++ ACCT aaaa	F CLOSE EARLY AREA=a	h1rrlssssssaaaasCsssst	<header>[#aaaa|**Nri**aCF]	1, *D7112*
Force Close Early by Account	dd/dd tt:tt ql ACCT aaaa +++ ACCT aaaa	F CLOSE EARLY ID=iii	h1rrlssssssaaaasCsiiit	<header>[#aaaa|**Nid**iiiCF]	1, *D7112*

Signal	D6500 Internal/External Printer	D6500 Mode	SIA Mode	Notes
D7112/D9112B Open and Close Reports – Modem II *(continued)*				
Force Close Early by Account (ID not reported)	dd/dd tt:tt ql ACCT aaaa F CLOSE EARLY	h1rrlsssssssaaaasCsssst	<header>[#aaaa|**N**CF]	1, *D7112*
Force Close Late by Area	dd/dd tt:tt ql ACCT aaaa F CLOSE LATE +++ ACCT aaaa AREA=a ID=iii	h1rrlsssssssaaaasCsiiit	<header>[#aaaa|**Nri**a/**id**iiiCF]	1
Force Close Late by Area (ID not reported)	dd/dd tt:tt ql ACCT aaaa F CLOSE LATE +++ ACCT aaaa AREA=a	h1rrlsssssssaaaasCsssst	<header>[#aaaa|**Nri**aCF]	1, *D7112*
Force Close Late by Account	dd/dd tt:tt ql ACCT aaaa F CLOSE LATE +++ ACCT aaaa ID=iii	h1rrlsssssssaaaasCsiiit	<header>[#aaaa|**Nid**iiiCF]	1, *D7112*
Force Close Late by Account (ID not reported)	dd/dd tt:tt ql ACCT aaaa F CLOSE LATE	h1rrlsssssssaaaasCsssst	<header>[#aaaa|**N**CF]	1, *D7112*
Force Close Perimeter Instant by Area	dd/dd tt:tt ql ACCT aaaa F CLOSE PR INST +++ ACCT aaaa AREA=a ID=iii	h1rrlsssssssaaaasCsiiit	<header>[#aaaa|**Nri**a/**id**iiiNF]	1
Force Close Perimeter Instant by Area (ID not reported)	dd/dd tt:tt ql ACCT aaaa F CLOSE PR INST +++ ACCT aaaa AREA=a	h1rrlsssssssaaaasCsssst	<header>[#aaaa|**Nri**aNF]	1, *D7112*
Force Close Perimeter Delay by Area	dd/dd tt:tt ql ACCT aaaa F CLOSE PR DLAY +++ ACCT aaaa AREA=a ID=iii	h1rrlsssssssaaaasCsiiit	<header>[#aaaa|**Nri**a/**id**iiiNF]	1
Force Close Perimeter Delay by Area (ID not reported)	dd/dd tt:tt ql ACCT aaaa F CLOSE PR DLAY +++ ACCT aaaa AREA=a	h1rrlsssssssaaaasCsssst	<header>[#aaaa|**Nri**aNF]	1, *D7112*

Signal	D6500 Internal/External Printer	Automation Output D6500 Mode	SIA Mode	Notes
D7112/D9112B Test Reports – Modem II				
Test Report	dd/dd tt:tt ql ACCT aaaa TEST REPORT	h1rrlssssssaaaasRsssEt	<header>[#aaaa|**N**RP]	*D9112*
Test Report	dd/dd tt:tt ql ACCT aaaa TEST REPORT	h1rrlssssssaaaasRsssEt	<header>[#aaaa|**Nri**aRP]	*D7112*
Log Threshold Since Last Call	+++ ACCT aaaa LOG THRESHOLD	h1rrlsssssssaaaaSBsssst	<header>[#aaaa|**O**JL]	5
Log Overflow Since Last Call	+++ ACCT aaaa LOG OVERFLOW	h1rrlsssssssaaaaSLsssst	<header>[#aaaa|**O**JO]	5
Point Bus Fail Since Last Call	+++ ACCT aaaa PT BUS TROUBLE	h1rrlsssssssaaaaSTsssst	<header>[#aaaa|**O**ET]	5
Valid Local Access Since Last Call	+++ ACCT aaaa PROG ACCESS OK	h1rrlsssssssaaaaSRsssst	<header>[#aaaa|**O**LS]	5
RF Receiver Trouble Since Last Call	+++ ACCT aaaa RF RCVR TROUBLE	h1rrlsssssssaaaaSTsssst	<header>[#aaaa|**O**ET]	5, *D7112*
Fail to Call RAM Since Last Call	+++ ACCT aaaa BAD CALL TO RAM	h1rrlsssssssaaaaSTsssst	<header>[#aaaa|**O**RA]	5
User Tamper Since Last Call	+++ ACCT aaaa USER TAMPER	h1rrlsssssssaaaaSUsssst	<header>[#aaaa|**O**JA]	5
SDI Fail Since Last Call	+++ ACCT aaaa SDI FAILURE	h1rrlsssssssaaaaSDsssst	<header>[#aaaa|**O**ET]	5
Comm Fail Since Last Call	+++ ACCT aaaa COMM FAILURE	h1rrlsssssssaaaaSPsssst	<header>[#aaaa|**O**YC]	5
AC Fail Since Last Call	+++ ACCT aaaa AC FAILURE	h1rrlsssssssaaaaSPsssst	<header>[#aaaa|**O**AT]	5
Battery Missing Since Last Call	+++ ACCT aaaa BATTERY MISSING	h1rrlsssssssaaaaSTsssst	<header>[#aaaa|**O**YM]	5
Battery Low Since Last Call	+++ ACCT aaaa BATTERY LOW	h1rrlsssssssaaaaSTsssst	<header>[#aaaa|**O**YT]	5
Parameters Checksum Fail Since Last Call	+++ ACCT aaaa PARAMS BAD CKSM	h1rrlsssssssaaaaSMsssst	<header>[#aaaa|**O**YF]	5
Extra RF Point Detected Since Last Call	+++ ACCT aaaa EXTRA RF POINT	h1rrlsssssssaaaaSTsssst	<header>[#aaaa|**O**XF]	5, *D7112*
RF Receiver Trouble Since Last Call	+++ ACCT aaaa RF RCVR TROUBLE	h1rrlsssssssaaaaSTsssst	<header>[#aaaa|**O**ET]	5, *D7112*

Signal	D6500 Internal/External Printer	D6500 Mode	SIA Mode	Notes

D7112 /D9112B Status Reports – Modem II

Signal	D6500 Internal/External Printer	D6500 Mode	SIA Mode	Notes
Status: Alarm	dd/dd tt:tt ql ACCT aaaa S: ALARM +++ ACCT aaaa AREA=a POINT=ppp	h1rrlssssssaaaaSAspppt <area not reported>	<header>[#aaaa|**Ori**aBAppp]	1
Status: Trouble	dd/dd tt:tt ql ACCT aaaa S: TROUBLE +++ ACCT aaaa AREA=a POINT=ppp	h1rrlssssssaaaaSTspppt <area not reported>	<header>[#aaaa|**Ori**aBTppp]	1
Status: Open by Area	dd/dd tt:tt ql ACCT aaaa S: OPENING +++ ACCT aaaa AREA=a	h1rrlssssssaaaaSOsssst <area not reported>	<header>[#aaaa|**Ori**aOP]	
Status: Close by Area	dd/dd tt:tt ql ACCT aaaa S: CLOSING +++ ACCT aaaa AREA=a	h1rrlssssssaaaaSCsssst <area not reported>	<header>[#aaaa|**Ori**aCL]	
Status:Perimeter Instant by Area	dd/dd tt:tt ql ACCT aaaa S: PERIM INSTANT +++ ACCT aaaa AREA=a	h1rrlssssssaaaaSCsssst	<header>[#aaaa|**Ori**aNL]	
Status:Perimeter Delay by Area	dd/dd tt:tt ql ACCT aaaa S: PERIM DELAY +++ ACCT aaaa AREA=a	h1rrlssssssaaaaSCsssst	<header>[#aaaa|**Ori**aNL]	
Status:Transmitter Low Battery	dd/dd tt:tt ql ACCT aaaa S: RF BATT LOW +++ ACCT aaaa AREA=a RF POINT =ppp	h1rrlssssssaaaaSVspppt <area not reported>	<header>[#aaaa|**Ori**aXTppp]	*D7112*

D7112/D9112B Other Reports – Modem II

Signal	D6500 Internal/External Printer	D6500 Mode	SIA Mode	Notes
Swinger Bypass	dd/dd tt:tt ql ACCT aaaa SWINGER BYPASS +++ ACCT aaaa AREA=a POINT=ppp	h1rrlssssssaaaasNspppt	<header>[#aaaa|**Nri**aUBppp]	1
Point Bypass	dd/dd tt:tt ql ACCT aaaa POINT BYPASS +++ ACCT aaaa AREA=a POINT=ppp ID=iii	h1rrlssssssaaaasNspppt	<header>[#aaaa|**Nri**a/**id**iiiUBppp]	1, *D7112*
Point Bypass (ID not reported)	dd/dd tt:tt ql ACCT aaaa POINT BYPASS +++ ACCT aaaa AREA=a POINT=ppp	h1rrlssssssaaaasNspppt	<header>[#aaaa|**Nri**aUBppp]	1, *D7112*
Command Bypass	dd/dd tt:tt ql ACCT aaaa COMMAND BYPASS +++ ACCT aaaa AREA=a POINT=ppp ID=iii	h1rrlssssssaaaasNspppt	<header>[#aaaa|**Nri**a/**id**iiiUBppp]	1
Sked Bypass	dd/dd tt:tt ql ACCT aaaa SKED BYPASS +++ ACCT aaaa AREA=a POINT=ppp SKED=kk	h1rrlssssssaaaasNspppt	<header>[#aaaa|Nria/aikkUBppp] D9112	1,

Signal	D6500 Internal/External Printer	D6500 Mode	SIA Mode	Notes
D7112 and D9112B Other Reports – Modem II *(continued)*				
Prgr Bypass	dd/dd tt:tt ql ACCT aaaa PROGRAMR BYPASS +++ ACCT aaaa AREA=a POINT=ppp SDI=ddd	h1rrlssssssaaaasNspppt	<header>[#aaaa|**Nri**a/pidddUBppp] *D9112*	1,
Remote Bypass	dd/dd tt:tt ql ACCT aaaa RAM BYPASS +++ ACCT aaaa AREA=a POINT=ppp PHONE#=h	h1rrlssssssaaaasNspppt	<header>[#aaaa|**Nri**a/**ph**hUBppp] *D9112*	1,
Forced Point	dd/dd tt:tt ql ACCT aaaa FORCED POINT +++ ACCT aaaa AREA=a POINT=ppp	h1rrlssssssaaaasTspppt <area not reported>	<header>[#aaaa|**Nri**aXWppp]	1, 6, *D9112*
Forced Point	dd/dd tt:tt ql ACCT aaaa FORCED POINT +++ ACCT aaaa AREA=a POINT=ppp ID=iii	h1rrlssssssaaaasTspppt <area not reported>	<header>[#aaaa|**Nri**a/**id**iiiXWppp]	1, 6, 10, *D7112*
Forced Point (ID not reported)	dd/dd tt:tt ql ACCT aaaa FORCED POINT +++ ACCT aaaa AREA=a POINT=ppp	h1rrlssssssaaaasTspppt <area not reported>	<header>[#aaaa|**Nri**aXWppp]	1, 6, *D7112*
Sensor Reset	dd/dd tt:tt ql ACCT aaaa SENSOR RESET +++ ACCT aaaa AREA=a ID=iii RELAY#=rrr	h1rrlssssssaaaasNsD27t	<header>[#aaaa|**Nri**a/**id**iiiXIrrr]	1, 7, 8
Sensor Reset (relay not reported)	dd/dd tt:tt ql ACCT aaaa SENSOR RESET +++ ACCT aaaa AREA=a ID=iii	h1rrlssssssaaaasNsD27t	<header>[#aaaa|**Nri**a/**id**iiiXI] *D7112*	1, 7, 8
Sensor Reset (ID not reported)	dd/dd tt:tt ql ACCT aaaa SENSOR RESET +++ ACCT aaaa AREA=a RELAY#=rrr	h1rrlssssssaaaasNsD27t	<header>[#aaaa|**Nri**aXIrrr] *D7112*	1, 7, 8
Sensor Reset (ID/relay not reported)	dd/dd tt:tt ql ACCT aaaa SENSOR RESET +++ ACCT aaaa AREA=a	h1rrlssssssaaaasNsD27t	<header>[#aaaa|**Nri**aXI] *D7112*	1, 7, 8
Relay Set by User	dd/dd tt:tt ql ACCT aaaa RELAY SET +++ ACCT aaaa ID=iii RELAY#=rrr	h1rrlssssssaaaasNsD28t	<header>[#aaaa|**Nid**iiiRCrrr]	1, 7, *D9112*
Relay Reset by User	dd/dd tt:tt ql ACCT aaaa RELAY RESET +++ ACCT aaaa ID=iii RELAY#=rrr	h1rrlssssssaaaasNsD18t	<header>[#aaaa|**Nid**iiiROrrr]	1, 7, *D9112*
Relay Set by Sked	dd/dd tt:tt ql ACCT aaaa RELAY SET +++ ACCT aaaa RELAY#=rrr SKED=kk	h1rrlssssssaaaasNsD19t	<header>[#aaaa|**Nai**kkRCrrr]	7, *D9112*

Signal	D6500 Internal/External Printer	Automation Output D6500 Mode	SIA Mode	Notes
D7112 and D9112B Other Reports – Modem II (continued)				
Relay Reset by Sked	dd/dd tt:tt ql ACCT aaaa +++ ACCT aaaa RELAY RESET RELAY#=rrr SKED=kk	h1rrlsssssssaaaasNsD20t	<header>[#aaaa|NaikkROrrr]	7, D9112
Log Threshold	dd/dd tt:tt ql ACCT aaaa LOG THRESHOLD	h1rrlsssssssaaaasTsD01t	<header>[#aaaa|NJL]	
Parameter Changed	dd/dd tt:tt ql ACCT aaaa PARAMS CHANGED	h1rrlsssssssaaaasNsD02t	<header>[#aaaa|NYG]	D9112
User Code Tamper	dd/dd tt:tt ql ACCT aaaa USR CODE TAMPER +++ ACCT aaaa AREA=a ID=iii	h1rrlsssssssaaaasNsD03t	<header>[#aaaa|Nria/idiiiJA]	1, D9112
User Code Tamper	dd/dd tt:tt ql ACCT aaaa USR CODE TAMPER +++ ACCT aaaa AREA=a	h1rrlsssssssaaaasNsD03t	<header>[#aaaa|NriaJA]	1, D7112
User Code Changed	dd/dd tt:tt ql ACCT aaaa USR CODE CHANGE +++ ACCT aaaa CODE ID=ccc ID=iii	h1rrlsssssssaaaasNsD04t	<header>[#aaaa|NidiiiJVccc]	D9112
User Code Changed	dd/dd tt:tt ql ACCT aaaa USR CODE CHANGE +++ ACCT aaaa AREA=a CODE ID=ccc ID=iii	h1rrlsssssssaaaasNsD04t	<header>[#aaaa|Nria/idiiiJVccc]	D7112
User Code Changed (operator ID not reported)	dd/dd tt:tt ql ACCT aaaa USR CODE CHANGE +++ ACCT aaaa AREA=a CODE ID=ccc	h1rrlsssssssaaaasNsD04t	<header>[#aaaa|NriaJVccc]	D7112
User Code Deleted	dd/dd tt:tt ql ACCT aaaa USR CODE DELETE +++ ACCT aaaa CODE ID=ccc ID=iii	h1rrlsssssssaaaasNsD05t	<header>[#aaaa|NidiiiJXccc]	D9112
User Code Deleted	dd/dd tt:tt ql ACCT aaaa USR CODE DELETE +++ ACCT aaaa AREA= a CODE ID=ccc ID=iii	h1rrlsssssssaaaasNsD05t	<header>[#aaaa|Nria/idiiiJXccc]	D7112
User Code Deleted (operator ID not reported)	dd/dd tt:tt ql ACCT aaaa USR CODE DELETE +++ ACCT aaaa AREA= a CODE ID=ccc	h1rrlsssssssaaaasNsD05t	<header>[#aaaa|NriaJXccc]	D7112
Skeds Executed	dd/dd tt:tt ql ACCT aaaa SKED EXECUTED +++ ACCT aaaa SKED=kk	h1rrlsssssssaaaasNsD25t	<header>[#aaaa|NaikkJR]	D9112

Signal	D6500 Internal/External Printer		Automation Output D6500 Mode	SIA Mode	Notes

D7112 and D9112B Other Reports – Modem II (continued)

Signal	D6500 Internal/External Printer		D6500 Mode	SIA Mode	Notes
Skeds Changed	dd/dd tt:tt ql ACCT aaaa +++ ACCT aaaa	SKED CHANGED ID= iii SKED=kk	h1rrlssssssaaaasNsD06t	<header>[#aaaa|Nidiii/aikkJS]	D9112
Date Changed	dd/dd tt:tt ql ACCT aaaa +++ ACCT aaaa	DATE CHANGED ID= iii	h1rrlssssssaaaasNsD07t	<header>[#aaaa|NidiiiJD]	D9112
Time Changed	dd/dd tt:tt ql ACCT aaaa +++ ACCT aaaa	TIME CHANGED ID= iii	h1rrlssssssaaaasNsD07t	<header>[#aaaa|NidiiiJT]	D9112
Valid Local Access	dd/dd tt:tt ql ACCT aaaa	PROG ACCESS OK	h1rrlssssssaaaasRsF01t	<header>[#aaaa|**Npi**dddLS]	*D7112*
Invalid Local Access	dd/dd tt:tt ql ACCT aaaa +++ ACCT aaaa	PROG ACCESS BAD SDI=ddd	h1rrlssssssaaaasTsF01t	<header>[#aaaa|**Npi**dddLU]	*D9112*
Valid Remote Access	dd/dd tt:tt ql ACCT aaaa +++ ACCT aaaa	RAM ACCESS OK PHONE#=5	h1rrlssssssaaaasRsssFt <phone not reported>	<header>[#aaaa|**Nph**5RS]	*D9112*
Valid Remote Access (no call back)	dd/dd tt:tt ql ACCT aaaa	RAM ACCESS OK	h1rrlssssssaaaasRsssFt	<header>[#aaaa|**N**RS]	*D9112*
Valid Remote Access	dd/dd tt:tt ql ACCT aaaa	RAM ACCESS OK	h1rrlssssssaaaasRsssFt	<header>[#aaaa|**Nph**hRS]	*D7112*
Invalid Remote Access	dd/dd tt:tt ql ACCT aaaa +++ ACCT aaaa	RAM ACCESS FAIL PHONE#=5	h1rrlssssssaaaasTsssFt <phone not reported>	<header>[#aaaa|**Nph**5RU]	*D9112*
Invalid Remote Access (no call back)	dd/dd tt:tt ql ACCT aaaa	RAM ACCESS FAIL	h1rrlssssssaaaasTsssFt	<header>[#aaaa|**N**RU]	*D9112*
Invalid Remote Access	dd/dd tt:tt ql ACCT aaaa	RAM ACCESS FAIL	h1rrlssssssaaaasTsssFt	<header>[#aaaa|**Nph**hRU]	*D7112*
Fail To Call RAM	dd/dd tt:tt ql ACCT aaaa	BAD CALL TO RAM	h1rrlssssssaaaasTsF02t	<header>[#aaaa|**N**RA]	
Comm Restoral	dd/dd tt:tt ql ACCT aaaa +++ ACCT aaaa	COMM RESTORAL PHONE#=h	h1rrlssssssaaaasNsB01t	<header>[#aaaa|**Nph**hYK]	

Signal	D6500 Internal/External Printer		Automation Output D6500 Mode	SIA Mode	Notes

D7112 and D9112B Other Reports – Modem II (continued)

Signal	D6500 Internal/External Printer		D6500 Mode	SIA Mode	Notes
Phone Line 1 Fail	dd/dd tt:tt ql ACCT aaaa +++ ACCT aaaa	PHONE LINE FAIL PHONE LINE=1	h1rrlssssssaaaasTsssBt	<header>[#aaaa|**N**LT1]	*D7112*
Phone Line 2 Fail	dd/dd tt:tt ql ACCT aaaa +++ ACCT aaaa	PHONE LINE FAIL PHONE LINE=2	h1rrlssssssaaaasTsssCt	<header>[#aaaa|**N**LT2]	*D7112*
Phone Line 1 Restoral	dd/dd tt:tt ql ACCT aaaa +++ ACCT aaaa	PHONE RESTORAL PHONE LINE=1	h1rrlssssssaaaasRsssBt	<header>[#aaaa|**N**LR1]	*D7112*
Phone Line 2 Restoral	dd/dd tt:tt ql ACCT aaaa +++ ACCT aaaa	PHONE RESTORAL PHONE LINE=2	h1rrlssssssaaaasRsssCt	<header>[#aaaa|**N**LR2]	*D7112*
SDI Fail	dd/dd tt:tt ql ACCT aaaa +++ ACCT aaaa	SDI FAILURE SDI=ddd	h1rrlssssssaaaasTsssDt	<header>[#aaaa|**Npi**dddET]	
SDI Restoral	dd/dd tt:tt ql ACCT aaaa +++ ACCT aaaa	SDI RESTORAL SDI=ddd	h1rrlssssssaaaasRsssDt	<header>[#aaaa|**Npi**dddER]	
Point Bus Fail	dd/dd tt:tt ql ACCT aaaa	PT BUS TROUBLE	h1rrlssssssaaaasTsssDt	<header>[#aaaa|**N**ET]	
Point Bus Restoral	dd/dd tt:tt ql ACCT aaaa	PT BUS RESTORAL	h1rrlssssssaaaasRsssDt	<header>[#aaaa|**N**ER]	
AC Fail	dd/dd tt:tt ql ACCT aaaa	AC FAILURE	h1rrlssssssaaaasPsssst	<header>[#aaaa|**N**AT]	
AC Restoral	dd/dd tt:tt ql ACCT aaaa	AC RESTORAL	h1rrlssssssaaaasRsss0t	<header>[#aaaa|**N**AR]	
Battery Missing	dd/dd tt:tt ql ACCT aaaa	BATTERY MISSING	h1rrlssssssaaaasTsss9t	<header>[#aaaa|**N**YM]	
Battery Low	dd/dd tt:tt ql ACCT aaaa	BATTERY LOW	h1rrlssssssaaaasTsss9t	<header>[#aaaa|**N**YT]	
Battery Restoral	dd/dd tt:tt ql ACCT aaaa	BATTERY RESTORE	h1rrlssssssaaaasRsss9t	<header>[#aaaa|**N**YR]	
Watchdog Reset	dd/dd tt:tt ql ACCT aaaa	WATCHDOG RESET	h1rrlssssssaaaasNsD09t	<header>[#aaaa|**N**YW]	
Remote Reset	dd/dd tt:tt ql ACCT aaaa	REMOTE RESET	h1rrlssssssaaaasNsD11t	<header>[#aaaa|**N**RN]	*D9112*

Signal	D6500 Internal/External Printer	Automation Output D6500 Mode	SIA Mode	Notes
D7112 and D9112B Other Reports – Modem II (continued)				
Checksum Fail	dd/dd tt:tt ql ACCT aaaa CHECKSUM FAIL	h1rrlssssssaaaasAsD12t	<header>[#aaaa|**N**YX]	
Re-Boot	dd/dd tt:tt ql ACCT aaaa RE-BOOT	h1rrlssssssaaaasNsD14t	<header>[#aaaa|**N**RR]	
Parameter Checksum Fail	dd/dd tt:tt ql ACCT aaaa PARM CKSUM FAIL	h1rrlssssssaaaasTsD15t	<header>[#aaaa|**N**YF]	_D9112_
For point related messages:				
Point Text	+++ ACCT aaaa (point text)	no message	no message	_D9112_
Transmitter Tamper Alarm	dd/dd tt:tt ql ACCT aaaa TAMPER ALARM +++ ACCT aaaa AREA=a RF POINT=ppp	h1rrlssssssaaaasAspppt <area not reported>	<header>[#aaaa|**N**riaTAppp]	1, _D7112_
Transmitter Tamper Trouble	dd/dd tt:tt ql ACCT aaaa TAMPER TROUBLE +++ ACCT aaaa AREA=a RF POINT=ppp	h1rrlssssssaaaasTspppt <area not reported>	<header>[#aaaa|**N**riaTAppp]	1, _D7112_
Transmitter Tamper Restoral	dd/dd tt:tt ql ACCT aaaa TAMPER RESTORAL +++ ACCT aaaa AREA=a RF POINT=ppp	h1rrlssssssaaaasRspppt <area not reported>	<header>[#aaaa|**N**riaTRppp]	1, _D7112_
Transmitter Low Battery	dd/dd tt:tt ql ACCT aaaa RF BATTERY LOW +++ ACCT aaaa AREA=a RF POINT=ppp	h1rrlssssssaaaasTspppt <area not reported>	<header>[#aaaa|**N**riaXTppp]	1, _D7112_
Transmitter Battery Restoral	dd/dd tt:tt ql ACCT aaaa RF BATT RESTORE +++ ACCT aaaa AREA=a RF POINT=ppp	h1rrlssssssaaaasRspppt <area not reported>	<header>[#aaaa|**N**riaXRppp]	1, _D7112_
RF Receiver Trouble	dd/dd tt:tt ql ACCT aaaa RF RCVR TROUBLE	h1rrlssssssaaaasTsD17t	<header>[#aaaa|**N**ET]	_D7112_
RF Receiver Restoral	dd/dd tt:tt ql ACCT aaaa RF RCVR RESTORE	h1rrlssssssaaaasRsD17t	<header>[#aaaa|**N**ER]	_D7112_
Extra RF Point Detected	dd/dd tt:tt ql ACCT aaaa EXTRA RF POINT	h1rrlssssssaaaasTsD16t	<header>[#aaaa|**N**riaXF]	1, _D7112_
RF Interference	dd/dd tt:tt ql ACCT aaaa RF INTERFERENCE	h1rrlssssssaaaasTsD08t	<header>[#aaaa|**N**ET]	_D7112_

D7112 and D9112B Messages Transmitted in BFSK

Signal	D6500 Internal/External Printer			Automation Output		Notes
				D6500 Mode	**SIA Mode**	
D9112B/D7112 Fire Messages – BFSK						
Fire Alarm	dd/dd tt:tt ql ACCT aaa	FIRE	FR z	h1rrlssssssaaaasFssszt	\<header>[#aaaa|**NFAz**]	2, 3, 9
Fire Trouble	dd/dd tt:tt ql ACCT aaa	TROUBLE	FR z	h1rrlssssssaaaaGssszt	\<header>[#aaaa|**NFTz**]	2, 3, 9
Fire Missing	dd/dd tt:tt ql ACCT aaa	TROUBLE	FR z	h1rrlssssssaaaaGssszt	\<header>[#aaaa|**NFTz**]	2, 3, 9
Fire Restoral after Alarm	dd/dd tt:tt ql ACCT aaa	RESTORAL	FR z	h1rrlssssssaaaaHssszt	\<header>[#aaaa|**NFRz**]	2, 3, 9
Fire Restore after Trouble/Missing	dd/dd tt:tt ql ACCT aaa	RESTORAL	FR z	h1rrlssssssaaaaHssszt	\<header>[#aaaa|**NFRz**]	2, 3, 9
Fire Walk Start	dd/dd tt:tt ql ACCT aaa	TROUBLE	ZN F	h1rrlssssssaaaasTsssFt	\<header>[#aaaa|**NBTF**]	*D9112*
Fire Walk End	dd/dd tt:tt ql ACCT aaa	RESTORAL	ZN F	h1rrlssssssaaaasRsssFt	\<header>[#aaaa|**NURF**]	*D9112*
D9112B/D7112 Alarm Messages – BFSK						
Alarm	dd/dd tt:tt ql ACCT aaa	ALARM	ZN z	h1rrlssssssaaaasAssszt	\<header>[#aaaa|**NBAz**]	2, 9
Duress	dd/dd tt:tt ql ACCT aaa	ALARM	ZN z	h1rrlssssssaaaasAssszt	\<header>[#aaaa|**NBAz**]	2. D7112: z=0. D9112: z= as programmed in ***BFSK Duress Code***
User Alarm 7	dd/dd tt:tt ql ACCT aaa	ALARM	ZN z	h1rrlssssssaaaasAssszt	\<header>[#aaaa|**NBAz**]	2. D7112: z=7 D9112: z= as programmed for point (***Point Code Digit One*** =4)
User Alarm 9	dd/dd tt:tt ql ACCT aaa	ALARM	ZN z	h1rrlssssssaaaasAssszt	\<header>[#aaaa|**NBAz**]	2. D7112: z=9 D9112: z= as programmed for point (***Point Code Digit One*** =5)
Cancel Alarm by Area	dd/dd tt:tt ql ACCT aaa	CANCEL REPORTh1rrlssssssaaaas\ssst			\<header>[#aaaa|**NOC**]	2, 9
Trouble	dd/dd tt:tt ql ACCT aaa	TROUBLE	ZN z	h1rrlssssssaaaasTssszt	\<header>[#aaaa|**NBTz**]	2, 9
Restoral	dd/dd tt:tt ql ACCT aaa	RESTORAL	ZN z	h1rrlssssssaaaasRssszt	\<header>[#aaaa|**NURz**]	2, 9
Missing Alarm	dd/dd tt:tt ql ACCT aaa	ALARM	ZN z	h1rrlssssssaaaasAssszt	\<header>[#aaaa|**NBAz**]	2, 9

D7112 and D9112B Messages Transmitted in BFSK

		Automation Output		
Signal	**D6500 Internal/External Printer**	**D6500 Mode**	**SIA Mode**	**Notes**
D9112B/D7112 Alarm Messages – BFSK (continued)				
Missing Trouble	dd/dd tt:tt ql ACCT aaa TROUBLE ZN z	h1rrlssssssaaaasTssszt	\<header\>[#aaaa|**NBTz**]	2
D9112B/D7112 Open and Close Reports – BFSK				
Early Open by Account	dd/dd tt:tt ql ACCT aaa OPENING ZN i	h1rrlssssssaaaasOsssit	\<header\>[#aaaa|**NOPi**]	2, 9
Early Open by Account (ID not reported)	dd/dd tt:tt ql ACCT aaa OPENING REPORT	h1rrlssssssaaaasOsssst	\<header\>[#aaaa|**NOP**]	2, 9, *D7112*
Early Open By Area	dd/dd tt:tt ql ACCT aaa OPENING ZN z	h1rrlssssssaaaasOssszt	\<header\>[#aaaa|**NOPz**]	2. z = area number
Opening By Account	dd/dd tt:tt ql ACCT aaa OPENING ZN i	h1rrlssssssaaaasOsssit	\<header\>[#aaaa|**NOPi**]	2, 9
Opening By Account (ID not reported)	dd/dd tt:tt ql ACCT aaa OPENING REPORT	h1rrlssssssaaaasOsssst	\<header\>[#aaaa|**NOP**]	2, 9, *D7112*
Opening By Area	dd/dd tt:tt ql ACCT aaa OPENING ZN z	h1rrlssssssaaaasOssszt	\<header\>[#aaaa|**NOPz**]	2. z = area number
Late Open By Account	dd/dd tt:tt ql ACCT aaa OPENING ZN i	h1rrlssssssaaaasOsssit	\<header\>[#aaaa|**NOPi**]	2, 9
Late Open By Account (ID not reported)	dd/dd tt:tt ql ACCT aaa OPENING REPORT	h1rrlssssssaaaasOsssst	\<header\>[#aaaa|**NOP**]	2, 9, *D7112*
Late Open By Area	dd/dd tt:tt ql ACCT aaa OPENING ZN z	h1rrlssssssaaaasOssszt	\<header\>[#aaaa|**NOPz**]	2. z = area number
Closing Early by Account	dd/dd tt:tt ql ACCT aaa CLOSING ZN i	h1rrlssssssaaaasCsssit	\<header\>[#aaaa|**NCLi**]	2. i = user id.
Closing Early by Account (ID not reported)	dd/dd tt:tt ql ACCT aaa CLOSING REPORT	h1rrlssssssaaaasCsssst	\<header\>[#aaaa|**NCL**]	2, *D7112*
Closing Early by Area	dd/dd tt:tt ql ACCT aaa CLOSING ZN z	h1rrlssssssaaaasCssszt	\<header\>[#aaaa|**NCLz**]	2. z = area number

D7112 and D9112B Messages Transmitted in BFSK

Signal	D6500 Internal/External Printer		Automation Output		Notes
			D6500 Mode	**SIA Mode**	

D9112B/D7112 Open and Close Reports – BFSK (continued)

Signal	D6500 Internal/External Printer		D6500 Mode	SIA Mode	Notes
Force Close Early by Account	dd/dd tt:tt ql ACCT aaa dd/dd tt:tt ql ACCT aaa	CLOSING ZN i WAS FORCE ARMED	h1rrlssssssaaaasCsssit h1rrlssssssaaaasWsssst	<header>[#aaaa|**NCLi**] <header>[#aaaa|**NCW**]	2. i = user id.
Force Close Early by Account (ID not reported)	dd/dd tt:tt ql ACCT aaa dd/dd tt:tt ql ACCT aaa	CLOSING REPORT WAS FORCE ARMED	h1rrlssssssaaaasCsssst h1rrlssssssaaaasWsssst	<header>[#aaaa|**NCL**] <header>[#aaaa|**NCW**]	2, *D7112*
Force Close Early by Area	dd/dd tt:tt ql ACCT aaa dd/dd tt:tt ql ACCT aaa	CLOSING ZN z WAS FORCE ARMED	h1rrlssssssaaaasCssszt h1rrlssssssaaaasWsssst	<header>[#aaaa|**NCLz**] <header>[#aaaa|**NCW**]	2. z = area number
Closing by Account	dd/dd tt:tt ql ACCT aaa	CLOSING ZN i	h1rrlssssssaaaasCsssit	<header>[#aaaa|**NCLi**]	2. i = user id.
Closing by Account (ID not reported)	dd/dd tt:tt ql ACCT aaa	CLOSING REPORT	h1rrlssssssaaaasCsssst	<header>[#aaaa|**NCL**]	2, *D7112*
Closing by Area	dd/dd tt:tt ql ACCT aaa	CLOSING ZN z	h1rrlssssssaaaasCssszt	<header>[#aaaa|**NCLz**]	2. z = area number
Force Closing by Account	dd/dd tt:tt ql ACCT aaa dd/dd tt:tt ql ACCT aaa	CLOSING ZN i WAS FORCE ARMED	h1rrlssssssaaaasCsssit h1rrlssssssaaaasWsssst	<header>[#aaaa|**NCLi**] <header>[#aaaa|**NCW**]	2. i = user id.
Force Closing by Account (ID not reported)	dd/dd tt:tt ql ACCT aaa dd/dd tt:tt ql ACCT aaa	CLOSING REPORT WAS FORCE ARMED	h1rrlssssssaaaasCsssst h1rrlssssssaaaasWsssst	<header>[#aaaa|**NCL**] <header>[#aaaa|**NCW**]	2, *D7112*
Closing Late by Account	dd/dd tt:tt ql ACCT aaa	CLOSING ZN i	h1rrlssssssaaaasCsssit	<header>[#aaaa|**NCLi**]	2. i = user id
Closing Late by Account (ID not reported)	dd/dd tt:tt ql ACCT aaa	CLOSING REPORT	h1rrlssssssaaaasCsssst	<header>[#aaaa|**NCL**]	2, *D7112*
Force Closing by Area	dd/dd tt:tt ql ACCT aaa dd/dd tt:tt ql ACCT aaa	CLOSING ZN z WAS FORCE ARMED	h1rrlssssssaaaasCssszt h1rrlssssssaaaasWsssst	<header>[#aaaa|**NCLz**] <header>[#aaaa|**NCW**]	2. z = area number
Closing Late by Area	dd/dd tt:tt ql ACCT aaa	CLOSING ZN z	h1rrlssssssaaaasCssszt	<header>[#aaaa|**NCLz**]	2. z = area number

D7112 and D9112B Messages Transmitted in BFSK

Signal	D6500 Internal/External Printer		Automation Output D6500 Mode	SIA Mode	Notes

D9112B/D7112 Open and Close Reports – BFSK (continued)

Signal	D6500 Internal/External Printer	Printer 2	D6500 Mode	SIA Mode	Notes
Force Close Late	dd/dd tt:tt ql ACCT aaa	CLOSING ZN i	h1rrlsssssssaaaasCsssit	\<header\>[#aaaa|**NCLi**]	2. i = user id.
by Account	dd/dd tt:tt ql ACCT aaa	WAS FORCE ARMED	h1rrlssssssaaaasWsssst	\<header\>[#aaaa|**NCW**]	
Force Close Late	dd/dd tt:tt ql ACCT aaa	CLOSING REPORT	h1rrlssssssaaaasCsssst	\<header\>[#aaaa|**NCL**]	2, *D7112*
by Account	dd/dd tt:tt ql ACCT aaa	WAS FORCE ARMED	h1rrlssssssaaaasWsssst	\<header\>[#aaaa|**NCW**]	
(ID not reported)					

D9112B/D7112 BFSK Test and Status Reports – BFSK

Signal	D6500 Internal/External Printer	Printer 2	D6500 Mode	SIA Mode	Notes
Test Report	dd/dd tt:tt ql ACCT aaa	RESTORALZN E	h1rrlssssssaaaasRsssEt	\<header\>[#aaaa|**NURE**]	2, 9
Status: Alarm	dd/dd tt:tt ql ACCT aaa	STATUS REPORT	h1rrlssssssaaaasSsssst	\<header\>[#aaaa|**NYY**]	
	dd/dd tt:tt ql ACCT aaa	ALARM ZN z	h1rrlssssssaaaaSAssszt	\<header\>[#aaaa|**OBAz**]	9, *D9112*
Status: Trouble	dd/dd tt:tt ql ACCT aaa	STATUS REPORT	h1rrlssssssaaaasSsssst	\<header\>[#aaaa|**NYY**]	
	dd/dd tt:tt ql ACCT aaa	TROUBLE ZN z	h1rrlssssssaaaaSTssszt	\<header\>[#aaaa|**OBTz**]	9, *D9112*
Status: Open by Area	dd/dd tt:tt ql ACCT aaa	STATUS REPORT	h1rrlssssssaaaasSsssst	\<header\>[#aaaa|**NYY**]	
	dd/dd tt:tt ql ACCT aaa	OPENING ZN z	h1rrlssssssaaaaSOssszt	\<header\>[#aaaa|**OOPz**]	z =area number
Status: Close by Area	dd/dd tt:tt ql ACCT aaa	STATUS REPORT	h1rrlssssssaaaasSsssst	\<header\>[#aaaa|**NYY**]	
	dd/dd tt:tt ql ACCT aaa	CLOSING ZN z	h1rrlssssssaaaaSCssszt	\<header\>[#aaaa|**OCLz**]	z =area number
Status: Perimeter Instant	dd/dd tt:tt ql ACCT aaa	STATUS REPORT	h1rrlssssssaaaasSsssst	\<header\>[#aaaa|**NYY**]	
by Area	dd/dd tt:tt ql ACCT aaa	OPENING ZN z	h1rrlssssssaaaaSOssszt	\<header\>[#aaaa|**OOPz**]	z =area number
Status: Perimeter Delay	dd/dd tt:tt ql ACCT aaa	STATUS REPORT	h1rrlssssssaaaasSsssst	\<header\>[#aaaa|**NYY**]	
by Area	dd/dd tt:tt ql ACCT aaa	OPENING ZN z	h1rrlssssssaaaaSOssszt	\<header\>[#aaaa|**OOPz**]	z =area number

D9112B/D7112 BFSK Other Reports – BFSK

Signal	D6500 Internal/External Printer	Printer 2	D6500 Mode	SIA Mode	Notes
Swinger Bypass	dd/dd tt:tt ql ACCT aaa	TROUBLE ZN z	h1rrlssssssaaaasTssszt	\<header\>[#aaaa|**NBTz**]	2, 9
Command Bypass	dd/dd tt:tt ql ACCT aaa	TROUBLE ZN z	h1rrlssssssaaaasTssszt	\<header\>[#aaaa|**NBTz**]	9, *D9112*
Point Bypass	dd/dd tt:tt ql ACCT aaa	TROUBLE ZN z	h1rrlssssssaaaasTssszt	\<header\>[#aaaa|**NBTz**]	9, *D7112*
Sked Bypass	dd/dd tt:tt ql ACCT aaa	TROUBLE ZN z	h1rrlssssssaaaasTssszt	\<header\>[#aaaa|**NBTz**]	9, *D9112*

D7112 and D9112B Messages Transmitted in BFSK

Signal	D6500 Internal/External Printer		Automation Output		Notes
			D6500 Mode	**SIA Mode**	

D9112B/D7112 BFSK Other Reports – BFSK (continued)

Signal	D6500 Internal/External Printer		D6500 Mode	SIA Mode	Notes
Prgr Bypass	dd/dd tt:tt ql ACCT aaa	TROUBLE ZN z	h1rrlsssssssaaaasTssszt	<header>[#aaaa|**NBTz**]	9, *D9112*
Remote Bypass	dd/dd tt:tt ql ACCT aaa	TROUBLE ZN z	h1rrlsssssssaaaasTssszt	<header>[#aaaa|**NBTz**]	9, *D9112*
Forced Point	dd/dd tt:tt ql ACCT aaa	TROUBLE ZN z	h1rrlsssssssaaaasTssszt	<header>[#aaaa|**NBTz**]	9
Valid Remote Access	dd/dd tt:tt ql ACCT aaa	RESTORALZN F	h1rrlsssssssaaaasRsssFt	<header>[#aaaa|**NURF**]	2
Invalid Remote Access	dd/dd tt:tt ql ACCT aaa	TROUBLE ZN F	h1rrlsssssssaaaasTsssFt	<header>[#aaaa|**NBTF**]	2
Fail To Call RAM	dd/dd tt:tt ql ACCT aaa TROUBLE	ZN F	h1rrlsssssssaaaasTsssFt	<header>[#aaaa|NBTF]	2
Phone Line 1 Fail	dd/dd tt:tt ql ACCT aaa TROUBLE	ZN B	h1rrlsssssssaaaasTsssBt	<header>[#aaaa|**NBTB**]	2
Phone Line 2 Fail	dd/dd tt:tt ql ACCT aaa TROUBLE	ZN C	h1rrlsssssssaaaasTsssCt	<header>[#aaaa|**NBTC**]	2
Phone Line 1 Restoral	dd/dd tt:tt ql ACCT aaa RESTORAL	ZN B	h1rrlsssssssaaaasRsssBt	<header>[#aaaa|**NURB**]	2
Phone Line 2 Restoral	dd/dd tt:tt ql ACCT aaa RESTORAL	ZN C	h1rrlsssssssaaaasRsssCt	<header>[#aaaa|**NURC**]	2
SDI Fail	dd/dd tt:tt ql ACCT aaa TROUBLE	ZN D	h1rrlsssssssaaaasTsssDt	<header>[#aaaa|**NBTD**]	2
SDI Restoral	dd/dd tt:tt ql ACCT aaa RESTORAL	ZN D	h1rrlsssssssaaaasRsssDt	<header>[#aaaa|**NURD**]	2
Point Bus Fail	dd/dd tt:tt ql ACCT aaa TROUBLE	ZN D	h1rrlsssssssaaaasTsssDt	<header>[#aaaa|**NBTD**]	2
Point Bus Restoral	dd/dd tt:tt ql ACCT aaa RESTORAL	ZN D	h1rrlsssssssaaaasRsssDt	<header>[#aaaa|**NURD**]	2
AC Fail (as a rider)	dd/dd tt:tt ql ACCT aaa AC FAILED		h1rrlsssssssaaaasPssst	<header>[#aaaa|**NAT**]	2, *D9112*
AC Fail	dd/dd tt:tt ql ACCT aaa TROUBLE	ZN z	h1rrlsssssssaaaasTssszt	<header>[#aaaa|**NBTO**]	2, z = 0
AC Restoral	dd/dd tt:tt ql ACCT aaa RESTORAL	ZN z	h1rrlsssssssaaaasRssszt	<header>[#aaaa|**NURO**]	2, z = 0
Battery Missing	dd/dd tt:tt ql ACCT aaa TROUBLE	ZN z	h1rrlsssssssaaaasTssszt	<header>[#aaaa|**NBT9**]	2, z = 9

D7112 and D9112B Messages Transmitted in BFSK

Signal	D6500 Internal/External Printer	Automation Output			Notes
		D6500 Mode		**SIA Mode**	
D9112B/D7112 BFSK Other Reports – BFSK (continued)					
Battery Low	dd/dd tt:tt ql ACCT aaa TROUBLE	ZN z	h1rrlssssssaaaasTssszt	<header>[#aaaa|**NBT9**]	2, z = 9
Battery Restoral	dd/dd tt:tt ql ACCT aaa RESTORAL	ZN z	h1rrlssssssaaaasRssszt	<header>[#aaaa|**NUR9**]	2, z = 9
Watchdog Reset	dd/dd tt:tt ql ACCT aaa RESTORAL	ZN 9	h1rrlssssssaaaasRsss9t	<header>[#aaaa|**NUR9**]	
Remote Reset	dd/dd tt:tt ql ACCT aaa RESTORAL	ZN 9	h1rrlssssssaaaasRsss9t	<header>[#aaaa|**NUR9**]	*D9112*
Re-Boot	dd/dd tt:tt ql ACCT aaa RESTORAL	ZN 9	h1rrlssssssaaaasRsss9t	<header>[#aaaa|**NUR9**]	2, *D9112*
Transmitter Tamper Restoral	dd/dd tt:tt ql ACCT aaa RESTORAL	ZN z	h1rrlssssssaaaasRssszt	<header>[#aaaa|**NURZ**]	*D7112*
Transmitter Low Battery	dd/dd tt:tt ql ACCT aaa TROUBLE	ZN z	h1rrlssssssaaaasTssszt	<header>[#aaaa|**NBTz**]	*D7112*
Transmitter Battery Restoral	dd/dd tt:tt ql ACCT aaa RESTORAL	ZN z	h1rrlssssssaaaasRssszt	<header>[#aaaa|**NURz**]	*D7112*
Transmitter Tamper Alarm	dd/dd tt:tt ql ACCT aaa ALARM	ZN z	h1rrlssssssaaaasAssszt	<header>[#aaaa|**NBAz**]	*D7112*
Transmitter Tamper Trouble	dd/dd tt:tt ql ACCT aaa TROUBLE	ZN z	h1rrlssssssaaaasTssszt	<header>[#aaaa|**NBTz**]	*D7112*

Messages from Other Control/Communicators

Signal	Zone	D6500 Internal/External Printer		Automation Output Format D6000 Mode	D6500 Mode	SIA Mode
Alarm	not exp	dd/dd tt:tt ql ACCT aaaa ALARM	REPORT	hqlaaaAst	h1rrlsssssaaaasAsssst	<header>[#aaaa|**N**BA]
Alarm	0 - F	dd/dd tt:tt ql ACCT aaaa ALARM	ZN z	hqlaaaAzt	h1rrlsssssaaaasAsszzt	<header>[#aaaa|**N**BAz]
Alarm	100-816	dd/dd tt:tt ql ACCT aaaa ALARM	ZN zyy	hqlaaaAzt	h1rrlsssssaaaasAszyyt	<header>[#aaaa|**N**BAzyy]
Missing Alm	101-816	dd/dd tt:tt ql ACCT aaaa ALARM*	ZN zyy	hqlaaaAzt	h1rrlsssssaaaasMszyyt	<header>[#aaaa|**N**UZzyy]
Alarm	10 - 15	dd/dd tt:tt ql ACCT aaaa ALARM	ZN xx	hqlaaaAzt	h1rrlsssssaaaasAssxxt	<header>[#aaaa|**N**BAxx]
Alarm	16	dd/dd tt:tt ql ACCT aaaa ALARM	ZN 16	hq8888A9t	h1rrlsssssaaaasAss16t	<header>[#aaaa|**N**BA16]
Status Rpt/Alarm		dd/dd tt:tt ql ACCT aaaa ALARM	ZN z	hqlaaaAzt	h1rrlsssssaaaaSAsssszt	<header>[#aaaa|**O**BAz]
Alarm Fire	0-9	dd/dd tt:tt ql ACCT aaaa FIRE	FR z	hqlaaaAzt	h1rrlsssssaaaasFssszt	<header>[#aaaa|**N**FAz]
User Alarm	0 - 9	dd/dd tt:tt ql ACCT aaaa USR ALRM	ZN z	hqlaaaAzt	h1rrlsssssaaaasUssszt	<header>[#aaaa|**N**PAz]
Duress	0 - F	dd/dd tt:tt ql ACCT aaaa DURESS	ID z	hqlaaaAzt	h1rrlsssssaaaasDssszt	<header>[#aaaa|**N**HAz]
Diagnostic	not exp	dd/dd tt:tt ql ACCT aaaa DIAG	REPORT	hqlaaaTst	h1rrlsssssaaaasYsssst	<header>[#aaaa|**N**YX]
Diagnostic	0 - F	dd/dd tt:tt ql ACCT aaaa DIAG	ZN z	hqlaaaTzt	h1rrlsssssaaaasYssszt	<header>[#aaaa|**N**YXz]
Trouble	not exp	dd/dd tt:tt ql ACCT aaaa TROUBLE	REPORT	hqlaaaTst	h1rrlsssssaaaasTsssst	<header>[#aaaa|**N**BT]
Trouble	0 - F	dd/dd tt:tt ql ACCT aaaa TROUBLE	ZN z	hqlaaaTzt	h1rrlsssssaaaasTssszt	<header>[#aaaa|**N**BTz]
Trouble	100-816	dd/dd tt:tt ql ACCT aaaa TROUBLE	ZN zyy	hqlaaaTzt	h1rrlsssssaaaasTszyyt	<header>[#aaaa|**N**BTzyy]
Missing Tbl	101-816	dd/dd tt:tt ql ACCT aaaa TROUBLE*	ZN zyy	hqlaaaTzt	h1rrlsssssaaaasVszyyt	<header>[#aaaa|**N**UYzyy]
Trouble	10 - 15	dd/dd tt:tt ql ACCT aaaa TROUBLE	ZN xx	hqlaaaTzt	h1rrlsssssaaaasTssxxt	<header>[#aaaa|**N**BTxx]
Trouble	16	dd/dd tt:tt ql ACCT aaaa TROUBLE	ZN 16	hq8888A9t	h1rrlsssssaaaasTss16t	<header>[#aaaa|**N**BT16]
Status Rpt/Trouble		dd/dd tt:tt ql ACCT aaaa TROUBLE	ZN z	hqlaaaTzt	h1rrlsssssaaaaSTssszt	<header>[#aaaa|**O**BTz]
Trouble Fire	0-9	dd/dd tt:tt ql ACCT aaaa TROUBLE	FR z	hqlaaaTzt	h1rrlsssssaaaaGsssszt	<header>[#aaaa|**N**FTz]
Shunted	1 - 8	dd/dd tt:tt ql ACCT aaaa SHUNTED	ZN z	hqlaaaTzt	h1rrlsssssaaaasNssszt	<header>[#aaaa|**N**XWz]
Shunted	100-816	dd/dd tt:tt ql ACCT aaaa SHUNTED	ZN zyy	hqlaaaTzt	h1rrlsssssaaaasNszyyt	<header>[#aaaa|**N**XWzyy]
Restoral	not exp	dd/dd tt:tt ql ACCT aaaa RESTORAL REPORT		hqlaaaRst	h1rrlsssssaaaasRsssst	<header>[#aaaa|**N**UR]
Restoral	0 - F	dd/dd tt:tt ql ACCT aaaa RESTORAL	ZN z	hqlaaaRzt	h1rrlsssssaaaasRssszt	<header>[#aaaa|**N**URz]
Restoral	100-816	dd/dd tt:tt ql ACCT aaaa RESTORAL	ZN zyy	hqlaaaRzt	h1rrlsssssaaaasRszyyt	<header>[#aaaa|**N**URzyy]
Restoral	10 - 15	dd/dd tt:tt ql ACCT aaaa RESTORAL	ZN xx	hqlaaaRzt	h1rrlsssssaaaasRssxxt	<header>[#aaaa|**N**URxx]
Restoral	16	dd/dd tt:tt ql ACCT aaaa RESTORAL	ZN 16	hq8888A9t	h1rrlsssssaaaasRss16t	<header>[#aaaa|**N**UR16]
Status Rpt/Restoral		dd/dd tt:tt ql ACCT aaaa RESTORAL REPORT		hqlaaaRzt	h1rrlsssssaaaaSRsssst	<header>[#aaaa|**O**UR]
Status Rpt/Restoral		dd/dd tt:tt ql ACCT aaaa RESTORAL	ZN z	hqlaaaRzt	h1rrlsssssaaaaSRssszt	<header>[#aaaa|**O**URz]
Restoral Fire 0-9		dd/dd tt:tt ql ACCT aaaa RESTORAL	FR z	hqlaaaRzt	h1rrlsssssaaaaHsssszt	<header>[#aaaa|**N**FRz]

Messages from Other Control/Communicators *(continued)*

<!-- Automation Output Format spans D6000 Mode, D6500 Mode, SIA Mode -->

Signal	Zone	D6500 Internal/External Printer		D6000 Mode	D6500 Mode	SIA Mode
					Automation Output Format	
Opening	not exp	dd/dd tt:tt ql ACCT aaaa OPENING	REPORT	hqlaaaOst	h1rrlsssssssaaaasOsssst	<header>[#aaaa|**N**OP]
Opening	0 - F	dd/dd tt:tt ql ACCT aaaa OPENING	ZN i	hqlaaaOit	h1rrlsssssssaaaasOsssit	<header>[#aaaa|**N**OPi]
Opening	0 - 7	dd/dd tt:tt ql ACCT aaaa OPENING	ID i	hqlaaaOit	h1rrlsssssssaaaasOsssit	<header>[#aaaa|**N**OPi]
Opening	601-F08	dd/dd tt:tt ql ACCT aaaa OPENING	ID iyy	hqlaaaOit	h1rrlsssssssaaaasOsiyyt	<header>[#aaaa|**N**OPiyy]
Status Rpt/Opening		dd/dd tt:tt ql ACCT aaaa OPENING	REPORT	hqlaaaOst	h1rrlsssssssaaaaSOsssst	<header>[#aaaa|**O**OP]
Status Rpt/Opening		dd/dd tt:tt ql ACCT aaaa OPENING	ID i	hqlaaaOit	h1rrlsssssssaaaaSOsssit	<header>[#aaaa|**O**OPi]
Closing	not exp	dd/dd tt:tt ql ACCT aaaa CLOSING	REPORT	hqlaaaCst	h1rrlsssssssaaaaCsssst	<header>[#aaaa|**N**CL]
Closing	0 - F	dd/dd tt:tt ql ACCT aaaa CLOSING	ZN i	hqlaaaCit	h1rrlsssssssaaaaCsssit	<header>[#aaaa|**N**CLi]
Closing	0 - 7	dd/dd tt:tt ql ACCT aaaa CLOSING	ID i	hqlaaaCit	h1rrlsssssssaaaaCsssit	<header>[#aaaa|**N**CLi]
Closing	601 - F08	dd/dd tt:tt ql ACCT aaaa CLOSING	ID iyy	hqlaaaCit	h1rrlsssssssaaaaCsiyyt	<header>[#aaaa|**N**CLiyy]
Status Rpt/Closing		dd/dd tt:tt ql ACCT aaaa CLOSING	REPORT	hqlaaaCst	h1rrlsssssssaaaaSCsssst	<header>[#aaaa|**O**CL]
Status Rpt/Closing		dd/dd tt:tt ql ACCT aaaa CLOSING	ID i	hqlaaaCit	h1rrlsssssssaaaaSCsssit	<header>[#aaaa|**O**CLi]
Cancel	not exp	dd/dd tt:tt ql ACCT aaaa CANCEL	REPORT	hqlaaa\st	h1rrlsssssssaaaas\sssst	<header>[#aaaa|**N**OC]
Cancel	0 - F	dd/dd tt:tt ql ACCT aaaa CANCEL	ID i	hqlaaa\it	h1rrlsssssssaaaas\sssit	<header>[#aaaa|**N**OCi]
Cancel	601 - F08	dd/dd tt:tt ql ACCT aaaa CANCEL	ID iyy	hqlaaa\it	h1rrlsssssssaaaas\siyyt	<header>[#aaaa|**N**OCiyy]
Power Fail		dd/dd tt:tt ql ACCT aaaa AC FAILED		hqlaaaPst	h1rrlsssssssaaaasPsssst	<header>[#aaaa|**N**AT]
Was Force Arm		dd/dd tt:tt ql ACCT aaaa WAS FORCE ARMED		hqlaaaWst	h1rrlsssssssaaaasWsssst	<header>[#aaaa|**N**CW]
Status Report		dd/dd tt:tt ql ACCT aaaa STATUS	REPORT	hqlaaaSst	h1rrlsssssssaaaasSssszt	<header>[#aaaa|**N**YY]
Status Rpt/Power Fail		dd/dd tt:tt ql ACCT aaaa AC FAILED		hqlaaaPst	h1rrlsssssssaaaaSPsssst	<header>[#aaaa|**O**AT]
Listen In		dd/dd tt:tt ql ACCT aaaa LISTEN IN		hqlaaa*st	h1rrlsssssssaaaas*sssst	<header>[#aaaa|**N**LF]
Listen In		dd/dd tt:tt ql ACCT aaaa LISTEN jj		hqlaaa*st	h1rrlsssssssaaaas*sssst	<header>[#aaaa|**N**LF]
Listen Done		dd/dd tt:tt ql ACCT aaaa LISTEN	DONE	hqlaaaLst	h1rrlsssssssaaaasLsssst	<header>[#aaaa|**N**LE]
Error	not exp	dd/dd tt:tt ql ACCT aaaa [ERROR]	ZN	hqlaaa[zt	h1rrlsssssssaaaas[sssst	<header>[#aaaa|**N**RT]
Error	0 - F	dd/dd tt:tt ql ACCT aaaa [ERROR)	ZN z	hqlaaa[zt	h1rrlsssssssaaaas[ssszt	<header>[#aaaa|**N**RTz]
Error	10 - 16	dd/dd tt:tt ql ACCT aaaa [ERROR]	ZN zz	hqlaaa[zt	h1rrlsssssssaaaas[sszzt	<header>[#aaaa|**N**RTzz]
Error	000-FFF	dd/dd tt:tt ql ACCT aaaa [ERROR]	ZN zzz	hqlaaa[zt	h1rrlsssssssaaaas[szzzt	<header>[#aaaa|**N**RTzzz]

D6500 Internally Generated Messages

Signal	D6500 Internal/External Printer	D6000 Mode	D6500 Mode	SIA Mode
Printer Test	dd/dd tt:tt L8 ACCT 888 [TEST] ZN 8 hq8888[8t	h1rr8sssssss888s[sss8t		<header>[**N**VX]
Busy Seconds dd/dd tt:tt ql BUSY SECONDS bbb%	RCVR rr	hqlbbbB%t	h1rrlssssssssbbbsBsssst	<header>[**N**YBbbb]
Service Req'd	dd/dd tt:tt ql SERVICE REQUIRED	RCVR rr	hq8888A7t	h1rrlssssssssssssXsss1t	<header>[**N**YX]
Set Time	dd/dd tt:tt TIME SET	RCVR rr	hq8888A4t	h1rrssssssssssssXsss2t	<header>[**N**JT]
+5V Troubled	dd/dd tt:tt +5 TROUBLED	RCVR rr	hq8888T9t	h1rrssssssssssssXsss3t	<header>[**N**YP]
+5V Restored	dd/dd tt:tt +5 RESTORED	RCVR rr	hq8888R9t	h1rrssssssssssssXsss4t	<header>[**N**YQ]
+12V Trouble	dd/dd tt:tt +12 TROUBLED	RCVR rr	hq8888T9t	h1rrssssssssssssXsss3t	<header>[**N**YP]
+12V Restoral dd/dd tt:tt +12 RESTORED		RCVR rr	hq8888R9t	h1rrssssssssssssXsss4t	<header>[**N**YQ]
-12V Trouble	dd/dd tt:tt -12 TROUBLED	RCVR rr	hq8888T9t	h1rrssssssssssssXsss3t	<header>[**N**YP]
-12V Restoral dd/dd tt:tt -12 RESTORED		RCVR rr	hq8888R9t	h1rrssssssssssssXsss4t	<header>[**N**YQ]
Phone Troubled	dd/dd tt:tt ql PHONE TROUBLED	RCVR rr	hqlsssTst	h1rrlssssssssssssXsss5t	<header>[**N**LT]
Phone Restored	dd/dd tt:tt ql PHONE RESTORED	RCVR rr	hqlsssRst	h1rrlssssssssssssXsss6t	<header>[**N**LR]
Card Troubled dd/dd tt:tt ql CARD TROUBLED		RCVR rr	hqlsssTst	h1rrlssssssssssssXsss7t	<header>[**N**YD]
Card Restored dd/dd tt:tt ql CARD RESTORED		RCVR rr	hqlsssRst	h1rrlssssssssssssXsss8t	<header>[**N**YE]
Battery Missing	dd/dd tt:tt BATTERY MISSING	RCVR rr	hq8888T9t	h1rrssssssssssssXsss9t	<header>[NYM]
Battery Present dd/dd tt:tt BATTERY PRESENT		RCVR rr	hq8888R9t	h1rrssssssssssssXss10t	<header>[NYR]
Low Battery	dd/dd tt:tt LOW BATTERY	RCVR rr	hq8888T9t	h1rrssssssssssssXss11t	<header>[NYT]
Battery Restore	dd/dd tt:tt BATTERY RESTORED	RCVR rr	hq8888R9t	h1rrssssssssssssXss12t	<header>[NYR]
AC Troubled	dd/dd tt:tt AC TROUBLED	RCVR rr	hqssssPst	h1rrssssssssssssXss13t	<header>[NAT]
AC Restored	dd/dd tt:tt AC RESTORED RCVR rr hqssssEst	h1rrsssssssssssssXss14t		<header>[NAR]
Paper In	dd/dd tt:tt PAPER IN	RCVR rr	hq8888R5t	h1rrssssssssssssXss15t	<header>[NVI]
Paper Out	dd/dd tt:tt PAPER OUT	RCVR rr	hq8888T5t	h1rrssssssssssssXss16t	<header>[NVO]
Programmer In	dd/dd tt:tt PROGRAM MODE IN	RCVR rr	hq8888T4t	h1rrssssssssssssXss17t	<header>[NLB]
Programmer Out	dd/dd tt:tt PROGRAM MODE OUT	RCVR rr	hq8888R4t	h1rrssssssssssssXss18t	<header>[NLD]

D6500 Internally Generated Messages (continued)

Signal	D6500 Internal/External Printer	D6000 Mode	D6500 Mode	SIA Mode
Printer On Line	dd/dd tt:tt PRINTER ONLINE	RCVR rr	hq8888R5t	h1rrsssssssssssssXss19t	<header>[NVY]
Printer Off Line	dd/dd tt:tt PRINTER OFFLINE	RCVR rr	hq8888T5t	h1rrsssssssssssssXss20t	<header>[NVZ]
Printer Trouble	dd/dd tt:tt PRINTER TROUBLE	RCVR rr	hq8888T5t	h1rrsssssssssssssXss21t	<header>[NVT]
Printer Restoral	dd/dd tt:tt PRINTER RESTORAL	RCVR rr	hq8888R5t	h1rrsssssssssssssXss22t	<header>[NVR]
Unknown Message	dd/dd tt:tt ql UNKNOWN	RCVR rr	hq8888A1t	h1rrlsssssssssssssXss25t	<header>[NYO]
Invalid Report	dd/dd tt:tt ql ACCT aaaa INVALID REPORT	hq8888A2t	h1rrlsssssssssssssXss26t		<header>[#aaaa|NYN]
Variable Text	dd/dd tt:tt ql text as received	RCVR rr	hq8888A3t	h3rrltext as receivedt	<header>[Atext as rcvd]
Pulse Error	dd/dd tt:tt ql PULSE ERROR # ##	RCVR rr	hq8888A3t	h3rrlPULSE ERROR # ##t	<header>[APULSE ERROR # ##]
LC Version	dd/dd tt:tt ql DIGITAL LC vv.vv	RCVR rr	hq8888A3t	h3rrl DIGITAL LCvv.vvt	<header>[ADIGITAL LCvv.vv]
MPU Version	dd/dd tt:tt 6500 MPU vv.vv	RCVR rr	hq8888A3t	h3rrs 6500 MPU vv.vvt	<header>[A6500 MPU vv.vv]
Printer Version	dd/dd tt:tt PRINTER vv.vv	RCVR rr	hq8888A3t	h3rrs PRINTER vv.vvt	<header>[APRINTER vv.vv]
Computer Trouble	dd/dd tt:tt COMPUTER TROUBLE	RCVR rr	no message to computer in any mode		
Computer Restore	dd/dd tt:tt COMPUTER RESTORE	RCVR rr	no message to computer in any mode		
Blank Line	print blank line (CR and LF)		no message to computer in any mode		
Reject Command	dd/dd tt:tt REJECT COMMAND	RCVR rr		h3rrsREJECT COMMANDsst	no message to computer

Modem IIe/IIIa^{2TM} Messages for the D2212 Control/Communicator

Signal	Internal/External Printer	6500 Output Mode	SIA Output Mode
AC Fail	`dd/dd tt:tt ql ACCT aaaa        AC FAILURE`	h1rrlssssssaaaasPsssst	\<header>[#aaaa|NAT]
AC Restoral	`dd/dd tt:tt ql ACCT aaaa        AC RESTORAL`	h1rrlssssssaaaasRsss0t	\<header>[#aaaa|NAR]

Alarm
(Area Not Reported)
	`dd/dd tt:tt ql ACCT aaaa      ALARM REPORT`
	`+++ ACCT aaaa                      POINT=ppp`
	`+++ ACCT aaaa            ID=iii POINT=ppp`
		h1rrlssssssaaaasAspppt	\<header>[#aaaa|NBAppp]

Alarm Cross Point
(Area Not Reported)
	`dd/dd tt:tt ql ACCT aaaa      ALARM REPORT`
	`+++ ACCT aaaa                       CROSS POINT`
	`+++ ACCT aaaa                      POINT=ppp`
		h1rrlssssssaaaasAspppt	\<header>[#aaaa|NBMppp]

Alarm Exit Error (Area Not Reported)	`dd/dd tt:tt ql ACCT aaaa      ALARM REPORT` `+++ ACCT aaaa                        EXIT ERROR`	h1rrlssssssaaaasAspppt	\<header>[#aaaa|NidiiiEAppp]

Alarm with Recent Closing
created due to alarm within 5 min of close
(Area Not Reported)
	`dd/dd tt:tt ql ACCT aaaa      ALARM REPORT`
	`+++ ACCT aaaa                   RECENT CLOSING`
	`+++ ACCT aaaa            ID=iii POINT=ppp`
		h1rrlssssssaaaasAspppt	\<header>[#aaaa|NidiiiCRppp]

Battery Low	`dd/dd tt:tt ql ACCT aaaa       BATTERY LOW`	h1rrlssssssaaaasTsss9t	\<header>[#aaaa|NYT]
Battery Missing	`dd/dd tt:tt ql ACCT aaaa BATTERY MISSING`	h1rrlssssssaaaasTsss9t	\<header>[#aaaa|NYM]
Battery Restoral	`dd/dd tt:tt ql ACCT aaaa BATTERY RESTORE`	h1rrlssssssaaaasRsss9t	\<header>[#aaaa|NYR]
Cancel Alarm (Area Not Reported)	`dd/dd tt:tt ql ACCT aaaa      CANCEL ALARM` `+++ ACCT aaaa                              ID=iii`	h1rrlssssssaaaas\sssst	\<header>[#aaaa|NidiiiBC]
Closing by Account	`dd/dd tt:tt ql ACCT aaaa   CLOSING REPORT` `+++ ACCT aaaa                              ID=iii`	h1rrlssssssaaaasCsiiit	\<header>[#aaaa|NidiiiCL]

Signal	Internal/External Printer	6500 Output Mode	SIA Output Mode
Comm Fail	`dd/dd tt:tt ql ACCT aaaa       COMM FAIL` `+++ ACCT aaaa                    PHONE#=h`	h1rrlsssssssaaaasTsB01t	<header>[#aaaa|NphhYC]
Comm Restoral	`dd/dd tt:tt ql ACCT aaaa    COMM RESTORAL` `+++ ACCT aaaa                    PHONE#=h`	h1rrlsssssssaaaasNsB01t	<header>[#aaaa|NphhYK]
Duress (Area Not Reported)	`dd/dd tt:tt ql ACCT aaaa          DURESS` `+++ ACCT aaaa                     ID=iii`	h1rrlsssssssaaaasDsiiit	<header>[#aaaa|NidiiiHA]

Equipment Fail
(Report from UPLINK router indicating
"Transceiver Trouble Condition")
	`dd/dd tt:tt ql ACCT aaaa  EQUIPMENT FAIL`
	`+++ ACCT aaaa          SDI=255 COND=001`
	
	`+++ ACCT aaaa                     UPLINK.`
		h1rrlsssssssaaaasTsD29t	<header>[#aaaa|Npi255IA001]

Fire Alarm (Area Not Reported)	`dd/dd tt:tt ql ACCT aaaa      FIRE ALARM` `+++ ACCT aaaa                  POINT=ppp`	h1rrlsssssssaaaasFspppt	<header>[#aaaa|NFAppp]

Fire Alarm Crossed Point
(Area Not Reported)
	`dd/dd tt:tt ql ACCT aaaa      FIRE ALARM`
	`+++ ACCT aaaa                 CROSS POINT`
	`+++ ACCT aaaa                  POINT=ppp`
		h1rrlsssssssaaaasFspppt	<header>[#aaaa|NFMppp]

Invalid Remote Access	`dd/dd tt:tt ql ACCT aaaa RAM ACCESS FAIL`	h1rrlsssssssaaaasTsssFt	<header>[#aaaa|NRU]
Missing Alarm (Area Not Reported)	`dd/dd tt:tt ql ACCT aaaa   MISSING ALARM` `+++ ACCT aaaa                  POINT=ppp`	h1rrlsssssssaaaasMspppt	<header>[#aaaa|NUZppp]
Missing Trouble (Area Not Reported)	`dd/dd tt:tt ql ACCT aaaa MISSING TROUBLE` `+++ ACCT aaaa                  POINT=ppp`	h1rrlsssssssaaaasVspppt	<header>[#aaaa|NUYppp]
Opening by Account	`dd/dd tt:tt ql ACCT aaaa   OPENING REPORT` `+++ ACCT aaaa                     ID=iii`	h1rrlsssssssaaaasOsiiit	<header>[#aaaa|NidiiiOP]
Opening by Account from Alarm	`dd/dd tt:tt ql ACCT aaaa OPEN FROM ALARM` `+++ ACCT aaaa                     ID=iii`	h1rrlsssssssaaaasOsiiit	<header>[#aaaa|NidiiiOR]

Signal	Internal/External Printer	6500 Output Mode	SIA Output Mode
Perimeter Delay (Area Not Reported)	`dd/dd tt:tt ql ACCT aaaa PERM DLAY ARMED` `+++ ACCT aaaa                    ID=iii`	h1rrlsssssssaaaasCsiiit	\<header>[#aaaa|NidiiiNL]
Perimeter Instant (Area Not Reported)	`dd/dd tt:tt ql ACCT aaaa PERM INST ARMED` `+++ ACCT aaaa                    ID=iii`	h1rrlsssssssaaaasCsiiit	\<header>[#aaaa|NidiiiNL]
Point Bypass (Area and ID Not Reported)	`dd/dd tt:tt ql ACCT aaaa    POINT BYPASS` `+++ ACCT aaaa                 POINT=ppp`	h1rrlsssssssaaaasNspppt	\<header>[#aaaa|NUBppp]
Re-Boot	`dd/dd tt:tt ql ACCT aaaa         RE-BOOT`	h1rrlsssssssaaaasNsD14t	\<header>[#aaaa|NRR]
Restoral (Area Not Reported)	`dd/dd tt:tt ql ACCT aaaa RESTORAL REPORT` `+++ ACCT aaaa                 POINT=ppp`	h1rrlsssssssaaaasRspppt	\<header>[#aaaa|NBRppp]
RF Battery Restore (Area Not Reported)	`dd/dd tt:tt ql ACCT aaaa RF BATT RESTORE` `+++ ACCT aaaa                 POINT=ppp`	h1rrlsssssssaaaasRspppt	\<header>[#aaaa|NXRppp]
RF Low Battery (Area Not Reported)	`dd/dd tt:tt ql ACCT aaaa  RF BATTERY LOW` `+++ ACCT aaaa                 POINT=ppp`	h1rrlsssssssaaaasTspppt	\<header>[#aaaa|NXTppp]
RF Receiver Restoral from Trouble	`dd/dd tt:tt ql ACCT aaaa RCVR TBL RESTOR` `+++ ACCT aaaa                   SDI=ddd`	h1rrlsssssssaaaasRsD17t	\<header>[#aaaa|NpidddER]
RF Receiver Tamper	`dd/dd tt:tt ql ACCT aaaa     RCVR TAMPER` `+++ ACCT aaaa                   SDI=ddd`	h1rrlsssssssaaaasXss35t	\<header>[#aaaa|NpidddXS]
RF Receiver Tamper Restore	`dd/dd tt:tt ql ACCT aaaa RCVR TAMPR REST` `+++ ACCT aaaa                   SDI=ddd`	h1rrlsssssssaaaasXss36t	\<header>[#aaaa|NpidddXJ]
RF Receiver Trouble	`dd/dd tt:tt ql ACCT aaaa    RCVR TROUBLE` `+++ ACCT aaaa                   SDI=ddd`	h1rrlsssssssaaaasTsD17t	\<header>[#aaaa|NpidddET]
RF Tamper Alarm (Area Not Reported)	`dd/dd tt:tt ql ACCT aaaa RF TAMPER ALARM` `+++ ACCT aaaa                 POINT=ppp`	h1rrlsssssssaaaasAspppt	\<header>[#aaaa|NTAppp]

Signal	Internal/External Printer	6500 Output Mode	SIA Output Mode
RF Tamper Trouble (Area Not Reported)	`dd/dd tt:tt ql ACCT aaaa RF TMPR TROUBLE` `+++ ACCT aaaa                   POINT=ppp`	h1rrlssssssaaaasTspppt	<header>[#aaaa|NTTppp]
RF Transmitter Tamper Restoral (Area Not Reported)	`dd/dd tt:tt ql ACCT aaaa RF TMPR RSTORAL` `+++ ACCT aaaa                   POINT=ppp`	h1rrlssssssaaaasRspppt	<header>[#aaaa|NTRppp]
Service Start	`dd/dd tt:tt ql ACCT aaaa   SERVICE START`	h1rrlssssssaaaasTsssFt	<header>[#aaaa|NTS]
Service End	`dd/dd tt:tt ql ACCT aaaa     SERVICE END`	h1rrlssssssaaaasRsssFt	<header>[#aaaa|NTE]
Swinger Bypass (Area and ID Not Reported)	`dd/dd tt:tt ql ACCT aaaa   SWINGER BYPASS` `+++ ACCT aaaa                   POINT=ppp`	h1rrlssssssaaaasNspppt	<header>[#aaaa|NUBppp]

Test Failed (Report from UPLINK router indicating "Transceiver Test Failure")	`dd/dd tt:tt ql ACCT aaaa     TEST FAILED`
	`+++ ACCT aaaa           PATH=001 COND=001`
	
	`+++ ACCT aaaa                      UPLINK.`
		h1rrlssssssaaaasTsD49t	<header>[#aaaa|Npa001XX001]

Trouble (Area Not Reported)	`dd/dd tt:tt ql ACCT aaaa   TROUBLE REPORT` `+++ ACCT aaaa                   POINT=ppp`	h1rrlssssssaaaasTspppt	<header>[#aaaa|NBTppp]
User Code Tamper (Area and ID Not Reported)	`dd/dd tt:tt ql ACCT aaaa USR CODE TAMPER`	h1rrlssssssaaaasNsD03t	<header>[#aaaa|NJA]
Valid Remote Access	`dd/dd tt:tt ql ACCT aaaa    RAM ACCESS OK`	h1rrlssssssaaaasRsssFt	<header>[#aaaa|NRS]
Watchdog Reset	`dd/dd tt:tt ql ACCT aaaa   WATCHDOG RESET`	h1rrlssssssaaaasNsD09t	<header>[#aaaa|NYW]

Modem IIIa[2TM] Messages for the D7212, D7412, D9112, D9124 and D9412 Control/Communicators

Signal	Internal/External Printer	6500 Output Mode	SIA Output Mode
AC Fail	`dd/dd tt:tt ql ACCT aaaa        AC FAILURE`	h1rrlsssssssaaaasPsssst	<header>[#aaaa|NAT]
AC Restoral	`dd/dd tt:tt ql ACCT aaaa        AC RESTORAL`	h1rrlsssssssaaaasRsss0t	<header>[#aaaa|NAR]
Access Granted	`dd/dd tt:tt ql ACCT aaaa  ACCESS GRANTED` `+++ ACCT aaaa   AREA=a CRD=iii-x POINT=ppp`	h1rrlsssssssaaaaAGspppt	<header>[#aaaa|Nria/idiiiDGppp] or <header>[#aaaa|Nria/idiii/ssxDGppp]
Alarm	`dd/dd tt:tt ql ACCT aaaa        ALARM REPORT` `+++ ACCT aaaa              AREA=a POINT=ppp`	h1rrlsssssssaaaasAspppt	<header>[#aaaa|NriaBAppp]
All Points Tested	`dd/dd tt:tt ql ACCT aaaa  ALL PTS TESTED`	h1rrlsssssssaaaasRsssFt	<header>[#aaaa|NTC]
Area Watch	`dd/dd tt:tt ql ACCT aaaa        AREA WATCH` `+++ ACCT aaaa                AREA=a ID=iii`	h1rrlsssssssaaaasEsssat	<header>[#aaaa|Nria/idiiiTW]
Battery Low	`dd/dd tt:tt ql ACCT aaaa        BATTERY LOW`	h1rrlsssssssaaaasTsss9t	<header>[#aaaa|NYT]
Battery Missing	`dd/dd tt:tt ql ACCT aaaa BATTERY MISSING`	h1rrlsssssssaaaasTsss9t	<header>[#aaaa|NYM]
Battery Restoral	`dd/dd tt:tt ql ACCT aaaa BATTERY RESTORE`	h1rrlsssssssaaaasRsss9t	<header>[#aaaa|NYR]
Bypass, Command	`dd/dd tt:tt ql ACCT aaaa  COMMAND BYPASS` `+++ ACCT aaaa      AREA=a ID=iii POINT=ppp`	h1rrlsssssssaaaasNspppt	<header>[#aaaa|Nria/idiiiUBppp]
Bypass, Programmer	`dd/dd tt:tt ql ACCT aaaa PROGRAMR BYPASS` `+++ ACCT aaaa    AREA=a POINT=ppp SDI=ddd`	h1rrlsssssssaaaasNspppt	<header>[#aaaa|Nria/pidddUBppp]
Bypass, Remote (Call back)	`dd/dd tt:tt ql ACCT aaaa        RAM BYPASS` `+++ ACCT aaaa      AREA=a POINT=ppp PH#=h`	h1rrlsssssssaaaasNspppt	<header>[#aaaa|Nria/phhUBppp]
Bypass, Remote (No Call back)	`dd/dd tt:tt ql ACCT aaaa        RAM BYPASS` `+++ ACCT aaaa              AREA=a POINT=ppp`	h1rrlsssssssaaaasNspppt	<header>[#aaaa|NriaUBppp]

Signal	Internal/External Printer	6500 Output Mode	SIA Output Mode
Bypass, Sked	`dd/dd tt:tt ql ACCT aaaa    SKED BYPASS` `+++ ACCT aaaa    AREA=a POINT=ppp SKED=kk`	h1rrlsssssssaaaasNspppt	<header>[#aaaa|Nria/aikkUBppp]
Bypass, Swinger	`dd/dd tt:tt ql ACCT aaaa  SWINGER BYPASS` `+++ ACCT aaaa         AREA=a POINT=ppp`	h1rrlsssssssaaaasNspppt	<header>[#aaaa|NriaUBppp]
Cancel Alarm (Non-Fire)	`dd/dd tt:tt ql ACCT aaaa    CANCEL ALARM` `+++ ACCT aaaa            AREA=a ID=iii`	h1rrlssssssaaaas\siiit	<header>[#aaaa|Nria/idiiiBC]
Cancel, Fire Alarm	`dd/dd tt:tt ql ACCT aaaa     FIRE CANCEL` `+++ ACCT aaaa            AREA=a ID=iii`	h1rrlssssssaaaas\siiit	<header>[#aaaa|Nria/idiiiFC]

Card Assigned
(By Programmer)
	`dd/dd tt:tt ql ACCT aaaa   CARD ASSIGNED`
	`+++ ACCT aaaa             BY PROGRAMMER`
	`+++ ACCT aaaa      CRD=iii-x SDI=ddd`
		h1rrlsssssssaaaasNsD30t	<header>[#aaaa|NpidddDAiii] or
			<header>[#aaaa|Npiddd/ssxDAiii]

Card Assigned
(By Remote)
	`dd/dd tt:tt ql ACCT aaaa   CARD ASSIGNED`
	`+++ ACCT aaaa                BY REMOTE`
	`+++ ACCT aaaa          CRD=iii-x`
		h1rrlsssssssaaaasNsD30t	<header>[#aaaa|NDAiii] or
			<header>[#aaaa|NssxDAiii]

Card Assigned
(By User)
	`dd/dd tt:tt ql ACCT aaaa   CARD ASSIGNED`
	`+++ ACCT aaaa                  BY USER`
	`+++ ACCT aaaa      CRD=iii-x ID=iii`
		h1rrlsssssssaaaasNsD30t	<header>[#aaaa|NidiiiDAiii] or
			<header>[#aaaa|Nidiii/ssxDAiii]

Checksum Fail	`dd/dd tt:tt ql ACCT aaaa    CHECKSUM FAIL`	h1rrlsssssssaaaasAsD12t	<header>[#aaaa|NYX]
Checksum Fail (SDI Device and Point reported)	`dd/dd tt:tt ql ACCT aaaa    CHECKSUM FAIL` `+++ ACCT aaaa         POINT=ppp SDI=ddd`	h1rrlsssssssaaaasAspppt	<header>[#aaaa|NpidddYXppp]
Closing by Account	`dd/dd tt:tt ql ACCT aaaa   CLOSING REPORT` `+++ ACCT aaaa                    ID=iii`	h1rrlsssssssaaaasCsiiit	<header>[#aaaa|NidiiiCL]
Closing by Area	`dd/dd tt:tt ql ACCT aaaa   CLOSING REPORT` `+++ ACCT aaaa            AREA=a ID=iii`	h1rrlsssssssaaaasCsiiit	<header>[#aaaa|Nria/idiiiCL]
Closing Early by Area	`dd/dd tt:tt ql ACCT aaaa    CLOSING EARLY` `+++ ACCT aaaa            AREA=a ID=iii`	h1rrlsssssssaaaasCsiiit	<header>[#aaaa|Nria/idiiiCK]

Signal	Internal/External Printer	6500 Output Mode	SIA Output Mode
Closing Late by Area	dd/dd tt:tt ql ACCT aaaa CLOSING LATE +++ ACCT aaaa AREA=a ID=iii	h1rrlssssssaaaasCsiiit	\<header>[#aaaa|Nria/idiiiCJ]
Comm Fail	dd/dd tt:tt ql ACCT aaaa COMM FAIL +++ ACCT aaaa PHONE#=h	h1rrlssssssaaaasTsB01t	\<header>[#aaaa|NphhYC]
Comm Fail (SDI Device not reported)	dd/dd tt:tt ql ACCT aaaa COMM FAIL +++ ACCT aaaa RG=g	h1rrlssssssaaaasTsB01t	\<header>[#aaaa|NrggYC]
Comm Restoral	dd/dd tt:tt ql ACCT aaaa COMM RESTORAL +++ ACCT aaaa PHONE#=h	h1rrlssssssaaaasNsB01t	\<header>[#aaaa|NphhYK]
Comm Restoral (SDI Device not reported)	dd/dd tt:tt ql ACCT aaaa COMM RESTORAL +++ ACCT aaaa RG=g	h1rrlssssssaaaasNsB01t	\<header>[#aaaa|NrggYK]
Create Status Report	dd/dd tt:tt ql ACCT aaaa STATUS REPORT	h1rrlssssssaaaaSsssst	\<header>[#aaaa|NYY]
Date Changed	dd/dd tt:tt ql ACCT aaaa DATE CHANGED +++ ACCT aaaa ID=iii	h1rrlssssssaaaasNsD07t	\<header>[#aaaa|NidiiiJD]
Door Closed, Restoral	dd/dd tt:tt ql ACCT aaaa REST-DR CLOSED +++ ACCT aaaa AREA=a POINT=ppp	h1rrlssssssaaaasRspppt	\<header>[#aaaa|NriaDHppp]
Door Cycled	dd/dd tt:tt ql ACCT aaaa DOOR CYCLED +++ ACCT aaaa AREA=a POINT=ppp	h1rrlssssssaaaaAGspppt	\<header>[#aaaa|NriaDGppp]
Door Cycled (By User)	dd/dd tt:tt ql ACCT aaaa DOOR CYCLED +++ ACCT aaaa BY USER +++ ACCT aaaa AREA=a ID=iii POINT=ppp	h1rrlssssssaaaaAGspppt	\<header>[#aaaa|Nria/idiiiDGppp]
Door Left Open	dd/dd tt:tt ql ACCT aaaa DOOR LFT OPN +++ ACCT aaaa AREA=a POINT=ppp	h1rrlssssssaaaaAOspppt	\<header>[#aaaa|NriaDNppp]
Door Locked	dd/dd tt:tt ql ACCT aaaa DOOR LOCKED +++ ACCT aaaa AREA=a POINT=ppp	h1rrlssssssaaaaALspppt	\<header>[#aaaa|NriaDYppp]

Signal	Internal/External Printer	6500 Output Mode	SIA Output Mode

Door Locked
 (Automatic)
	`dd/dd tt:tt ql ACCT aaaa     DOOR LOCKED`
	 `+++ ACCT aaaa                    AUTOMATIC`
	 `+++ ACCT aaaa          AREA=a POINT=ppp`
		h1rrlsssssssaaaaALspppt	\<header\>[#aaaa|NriaDYppp]

Door Locked
 (By User)
	`dd/dd tt:tt ql ACCT aaaa     DOOR LOCKED`
	 `+++ ACCT aaaa                      BY USER`
	 `+++ ACCT aaaa    AREA=a ID=iii POINT=ppp`
		h1rrlsssssssaaaaALspppt	\<header\>[#aaaa|Nria/idiiiDYppp]

Door Request (REX)	`dd/dd tt:tt ql ACCT aaaa REQUEST TO EXIT` `+++ ACCT aaaa          AREA=a POINT=ppp`	h1rrlsssssssaaaaAGspppt	\<header\>[#aaaa|NriaDXppp]

Door Request (REX, Denied)
 	
 (Interlock Deny)
	h1rrlsssssssaaaaADspppt
	 `+++ ACCT aaaa           DENIED-INTERLOCK`
	 `+++ ACCT aaaa          AREA=a POINT=ppp`
		`dd/dd tt:tt ql ACCT aaaa REQUEST TO EXIT`
		 \<header\>[#aaaa|NriaDKppp]	

Door Request (REX, Denied)
 	
 (Door Secured)
	h1rrlsssssssaaaaADspppt
	 `+++ ACCT aaaa        DENIED-DOOR SECURED`
	 `+++ ACCT aaaa          AREA=a POINT=ppp`
		`dd/dd tt:tt ql ACCT aaaa REQUEST TO EXIT`
		 \<header\>[#aaaa|NriaDKppp]	

Door Request (RTE)	`dd/dd tt:tt ql ACCT aaaa REQUEST TO ENTR` `+++ ACCT aaaa          AREA=a POINT=ppp`	h1rrlsssssssaaaaAGspppt	\<header\>[#aaaa|NriaDEppp]

Door Request (RTE, Denied)
 	
 (Interlock Deny)
	h1rrlsssssssaaaaADspppt
	 `+++ ACCT aaaa           DENIED-INTERLOCK`
	 `+++ ACCT aaaa          AREA=a POINT=ppp`
		`dd/dd tt:tt ql ACCT aaaa REQUEST TO ENTR`
		 \<header\>[#aaaa|NriaDKppp]	

Door Request (RTE, Denied)
 	
 (Door Secured)
	h1rrlsssssssaaaaADspppt
	 `+++ ACCT aaaa        DENIED-DOOR SECURED`
	 `+++ ACCT aaaa          AREA=a POINT=ppp`
		`dd/dd tt:tt ql ACCT aaaa REQUEST TO ENTR`
		 \<header\>[#aaaa|NriaDKppp]	

Door Secured	`dd/dd tt:tt ql ACCT aaaa    DOOR SECURED` `+++ ACCT aaaa          AREA=a POINT=ppp`	h1rrlsssssssaaaaASspppt	\<header\>[#aaaa|NriaDCppp]

Signal	Internal/External Printer	6500 Output Mode	SIA Output Mode

Door Secured
(Automatic)
	`dd/dd tt:tt ql ACCT aaaa    DOOR SECURED`
	`+++ ACCT aaaa                AUTOMATIC`
	`+++ ACCT aaaa        AREA=a POINT=ppp`
		h1rrlssssssaaaaASspppt	\<header>[#aaaa|NriaDCppp]

Door Secured
(By User)
	`dd/dd tt:tt ql ACCT aaaa    DOOR SECURED`
	`+++ ACCT aaaa                  BY USER`
	`+++ ACCT aaaa    AREA=a ID-iii POINT=ppp`
		h1rrlssssssaaaaASspppt	\<header>[#aaaa|Nria/idiiiDCppp]

Door Unlocked	`dd/dd tt:tt ql ACCT aaaa    DOOR UNLOCKED` `+++ ACCT aaaa         AREA=a POINT=ppp`	h1rrlssssssaaaaAUspppt	\<header>[#aaaa|NriaDOppp]

Door Unlocked
(Automatic)
	`dd/dd tt:tt ql ACCT aaaa    DOOR UNLOCKED`
	`+++ ACCT aaaa                AUTOMATIC`
	`+++ ACCT aaaa        AREA=a POINT=ppp`
		h1rrlssssssaaaaAUspppt	\<header>[#aaaa|NriaDOppp]

Door Unlocked
(By User)
	`dd/dd tt:tt ql ACCT aaaa    DOOR UNLOCKED`
	`+++ ACCT aaaa                  BY USER`
	`+++ ACCT aaaa     AREA=a ID=iii POINT=ppp`
		h1rrlssssssaaaaAUspppt	\<header>[#aaaa|Nria/idiiiDOppp]

Duress	`dd/dd tt:tt ql ACCT aaaa              DURESS` `+++ ACCT  aaaa              AREA=a ID=iii`	h1rrlsssssssaaaasDsiiit	\<header>[#aaaa|Nria/idiiiHA]
Extend Close Time by Area		`dd/dd tt:tt ql ACCT aaaa EXTN CLOSE TIME`	
	h1rrlsssssssaaaaasTsD26t `+++ ACCT aaaa    AREA=a ID=iii TIME=hh:mm`	\<header>[#aaaa|Nria/idiii/tihh:mmCE]	
Extra Point	`dd/dd tt:tt ql ACCT aaaa      EXTRA POINT` `+++ ACCT aaaa              AREA=a POINT=ppp`	h1rrlssssssaaaaasTspppt	\<header>[#aaaa|NriaXEppp]
Fail To Call RAM	`dd/dd tt:tt ql ACCT aaaa BAD CALL TO RAM`	h1rrlssssssaaaaasTsF02t	\<header>[#aaaa|NRA]
Fail To Close by Area	`dd/dd tt:tt ql ACCT aaaa    FAIL TO CLOSE` `+++ ACCT aaaa                          AREA=a`	h1rrlssssssaaaaasTsssEt	\<header>[#aaaa|NriaCI]

Fail To Execute
(Door Unlocked-Interlock)
	`dd/dd tt:tt ql ACCT aaaa FAIL TO EXECUTE`
	`+++ ACCT aaaa     DOOR UNLOCKED-INTERLOCK`
	`+++ ACCT aaaa           AREA=a  POINT=ppp`
		h1rrlssssssaaaaasNsD35t	\<header>[#aaaa|NriaDKppp]

Signal	Internal/External Printer	6500 Output Mode	SIA Output Mode
Fail To Execute (Door Unlocked-Door Secured)	dd/dd tt:tt ql ACCT aaaa FAIL TO EXECUTE +++ ACCT aaaa DOOR UNLOCKED-DOOR SECURED +++ ACCT aaaa AREA=a POINT=ppp	h1rrlssssssaaaasNsD35t	\<header>[#aaaa|NriaDKppp]
Fail To Execute (Door Cycled-Interlock)	dd/dd tt:tt ql ACCT aaaa FAIL TO EXECUTE +++ ACCT aaaa DOOR CYCLED-INTERLOCK +++ ACCT aaaa AREA=a POINT=ppp	h1rrlssssssaaaaADspppt	\<header>[#aaaa|NriaDKppp]
Fail To Execute (Door Cycled-Door Secured)	dd/dd tt:tt ql ACCT aaaa FAIL TO EXECUTE +++ ACCT aaaa DOOR CYCLED-DOOR SECURED +++ ACCT aaaa AREA=a POINT=ppp	h1rrlssssssaaaaADspppt	\<header>[#aaaa|NriaDKppp]
Fail To Execute (SDI Device, Incorrect Response)	dd/dd tt:tt ql ACCT aaaa FAIL TO EXECUTE +++ ACCT aaaa INCORRECT RESPONSE +++ ACCT aaaa SDI=ddd	h1rrlssssssaaaasNsD34t	\<header>[#aaaa|NpidddYX]
Fail To Execute (SDI Device, No Response)	dd/dd tt:tt ql ACCT aaaa FAIL TO EXECUTE +++ ACCT aaaa NO RESPONSE +++ ACCT aaaa SDI=ddd	h1rrlssssssaaaasNsD34t	\<header>[#aaaa|NpidddYX]
Fail To Open by Area	dd/dd tt:tt ql ACCT aaaa FAIL TO OPEN +++ ACCT aaaa AREA=a	h1rrlssssssaaaasTsssEt	\<header>[#aaaa|NriaOI]
Fire Alarm	dd/dd tt:tt ql ACCT aaaa FIRE ALARM +++ ACCT aaaa AREA=a POINT=ppp	h1rrlssssssaaaasFspppt	\<header>[#aaaa|NriaFAppp]
Fire Missing	dd/dd tt:tt ql ACCT aaaa MISSING FIRE +++ ACCT aaaa AREA=a POINT=ppp	h1rrlssssssaaaasMspppt	\<header>[#aaaa|NriaFYppp]
Fire Restoral (from Fire Alarm)	dd/dd tt:tt ql ACCT aaaa FIRE ALM RESTOR +++ ACCT aaaa AREA=a POINT=ppp	h1rrlssssssaaaaHsspppt	\<header>[#aaaa|NriaFHppp]
Fire Restoral (from Trouble/Missing/Supervision)	dd/dd tt:tt ql ACCT aaaa FIRE TBL RESTOR +++ ACCT aaaa AREA=a POINT=ppp	h1rrlssssssaaaaHsspppt	\<header>[#aaaa|NriaFJppp]
Fire Supervision	dd/dd tt:tt ql ACCT aaaa FIRE SUPRVISION +++ ACCT aaaa AREA=a POINT=ppp	h1rrlssssssaaaasEspppt	\<header>[#aaaa|NriaFSppp]

Signal	Internal/External Printer	6500 Output Mode	SIA Output Mode
Fire Trouble	`dd/dd tt:tt ql ACCT aaaa     FIRE TROUBLE` `+++ ACCT aaaa          AREA=a POINT=ppp`	h1rrlssssssaaaaGsspppt	<header>[#aaaa|NriaFTppp]
Fire Walk End	`dd/dd tt:tt ql ACCT aaaa    FIRE WALK END` `+++ ACCT aaaa                   AREA=a`	h1rrlssssssaaaasRsssFt	<header>[#aaaa|NriaFK]
Fire Walk Start	`dd/dd tt:tt ql ACCT aaaa FIRE WALK START` `+++ ACCT aaaa              AREA=a ID=iii`	h1rrlssssssaaaasTsssFt	<header>[#aaaa|Nria/idiiiFI]
Force Armed	`dd/dd tt:tt ql ACCT aaaa WAS FORCE ARMED`	h1rrlssssssaaaasWsssst	<header>[#aaaa|NCW]
Forced Close Early by Area	`dd/dd tt:tt ql ACCT aaaa FRC CLOSE EARLY` `+++ ACCT aaaa              AREA=a ID=iii`	h1rrlssssssaaaasCsiiit	<header>[#aaaa|Nria/idiiiCF]
Forced Close Late by Area	`dd/dd tt:tt ql ACCT aaaa FORC CLOSE LATE` `+++ ACCT aaaa              AREA=a ID=iii`	h1rrlssssssaaaasCsiiit	<header>[#aaaa|Nria/idiiiCF]
Forced Close Perimeter Delay by Area	`dd/dd tt:tt ql ACCT aaaa F CLOSE PR DLAY` `+++ ACCT aaaa              AREA=a ID=iii`	h1rrlssssssaaaasCsiiit	<header>[#aaaa|Nria/idiiiNF]
Forced Close Perimeter Delay by Area (ID not reported)	`dd/dd tt:tt ql ACCT aaaa F CLOSE PR DLAY` `+++ ACCT aaaa                   AREA=a`	h1rrlssssssaaaasCsssst	<header>[#aaaa|NriaNF]
Forced Close Perimeter Instant by Area	`dd/dd tt:tt ql ACCT aaaa F CLOSE PR INST` `+++ ACCT aaaa              AREA=a ID=iii`	h1rrlssssssaaaasCsiiit	<header>[#aaaa|Nria/idiiiNF]
Forced Close Perimeter Instant by Area (ID not reported)	`dd/dd tt:tt ql ACCT aaaa F CLOSE PR INST` `+++ ACCT aaaa                   AREA=a`	h1rrlssssssaaaasCsssst	<header>[#aaaa|NriaNF]
Forced Closing by Area	`dd/dd tt:tt ql ACCT aaaa    FORCED CLOSE` `+++ ACCT aaaa              AREA=a ID=iii`	h1rrlssssssaaaasCsiiit	<header>[#aaaa|Nria/idiiiCF]
Forced Point	`dd/dd tt:tt ql ACCT aaaa    FORCED POINT` `+++ ACCT aaaa          AREA=a POINT=ppp`	h1rrlssssssaaaasTspppt	<header>[#aaaa|NriaXWppp]

Signal	Internal/External Printer	6500 Output Mode	SIA Output Mode
Log Threshold	`dd/dd tt:tt ql ACCT aaaa    LOG THRESHOLD`	`h1rrlssssssaaaasTsD01t`	`<header>[#aaaa|NJL]`
Log Overflow	`dd/dd tt:tt ql ACCT aaaa     LOG OVERFLOW`	`h1rrlssssssaaaasAsD01t`	`<header>[#aaaa|NJO]`
Missing Alarm	`dd/dd tt:tt ql ACCT aaaa    MISSING ALARM` `+++ ACCT aaaa           AREA=a POINT=ppp`	`h1rrlssssssaaaasMspppt`	`<header>[#aaaa|NriaUZppp]`
Missing Fire Supervision	`dd/dd tt:tt ql ACCT aaaa MISS FIR SUPRVN` `+++ ACCT aaaa           AREA=a POINT=ppp`	`h1rrlssssssaaaaGMspppt`	`<header>[#aaaa|NriaFZppp]`
Missing Supervision	`dd/dd tt:tt ql ACCT aaaa MISSING SUPRVSN` `+++ ACCT aaaa           AREA=a POINT=ppp`	`h1rrlssssssaaaaMTspppt`	`<header>[#aaaa|NriaBZppp]`
Missing Trouble	`dd/dd tt:tt ql ACCT aaaa MISSING TROUBLE` `+++ ACCT aaaa           AREA=a POINT=ppp`	`h1rrlssssssaaaasVspppt`	`<header>[#aaaa|NriaUYppp]`
No Entry (Door Secured)	`dd/dd tt:tt ql ACCT aaaa  NO ENTRY-SECURE` `+++ ACCT aaaa AREA=a CRD=iii-x POINT=ppp`	`h1rrlssssssaaaaADspppt`	`<header>[#aaaa|Nria/idiiiDZppp] or` `<header>[#aaaa|Nria/idiii/ssxDZppp]`
No Entry (Interlock Deny)	`dd/dd tt:tt ql ACCT aaaa  NO ENTRY-INTRLK` `+++ ACCT aaaa AREA=a CRD=iii-x POINT=ppp`	`h1rrlssssssaaaaADspppt`	`<header>[#aaaa|Nria/idiiiDWppp] or` `<header>[#aaaa|Nria/idiii/ssxDWppp]`
No Entry (No Rights in Area)	`dd/dd tt:tt ql ACCT aaaa   NO ENTRY-LEVEL` `+++ ACCT aaaa AREA=a CRD=iii-x POINT=ppp`	`h1rrlssssssaaaaADspppt`	`<header>[#aaaa|Nria/idiiiDVppp] or` `<header>[#aaaa|Nria/idiii/ssxDVppp]`
No Entry (Outside Time Window)	`dd/dd tt:tt ql ACCT aaaa    NO ENTRY-TIME` `+++ ACCT aaaa AREA=a CRD=iii-x POINT=ppp`	`h1rrlssssssaaaaADspppt`	`<header>[#aaaa|Nria/idiiiDPppp] or` `<header>[#aaaa|Nria/idiii/ssxDPppp]`
No Entry (Unknown ID)	`dd/dd tt:tt ql ACCT aaaa  NO ENTRY-UNK ID` `+++ ACCT aaaa AREA=a CRD=iii-x POINT=ppp`	`h1rrlssssssaaaaADspppt`	`<header>[#aaaa|Nria/idiiiDDppp] or` `<header>[#aaaa|Nria/idiii/ssxDDppp]`
No Entry (Wrong Arming State)	`dd/dd tt:tt ql ACCT aaaa   NO ENTRY-ARMED` `+++ ACCT aaaa AREA=a CRD=iii-x POINT=ppp`	`h1rrlssssssaaaaADspppt`	`<header>[#aaaa|Nria/idiiiDQppp] or` `<header>[#aaaa|Nria/idiii/ssxDQppp]`
Opening by Account	`dd/dd tt:tt ql ACCT aaaa   OPENING REPORT` `+++ ACCT aaaa                    ID=iii`	`h1rrlssssssaaaasOsiiit`	`<header>[#aaaa|NidiiiOP]`

Signal	Internal/External Printer	6500 Output Mode	SIA Output Mode
Opening by Area	`dd/dd tt:tt ql ACCT aaaa   OPENING REPORT` `+++ ACCT  aaaa               AREA=a ID=iii`	h1rrlssssssaaaasOsiiit	<header>[#aaaa| Nria/idiiiOP]
Opening Early by Area	`dd/dd tt:tt ql ACCT aaaa    EARLY TO OPEN` `+++ ACCT aaaa                AREA=a ID=iii`	h1rrlssssssaaaasOsiiit	<header>[#aaaa|Nria/idiiiOK]
Opening Late by Area	`dd/dd tt:tt ql ACCT aaaa     LATE TO OPEN` `+++ ACCT aaaa                AREA=a ID=iii`	h1rrlssssssaaaasOsiiit	<header>[#aaaa|Nria/idiiiOJ]
Parameters Changed	`dd/dd tt:tt ql ACCT aaaa  PARAMS CHANGED`	h1rrlssssssaaaasNsD02t	<header>[#aaaa|NYG]
Parameter Checksum Fail	`dd/dd tt:tt ql ACCT aaaa PARMS BAD CKSUM`	h1rrlssssssaaaasTsD15t	<header>[#aaaa|NYF]
Parameter Checksum Fail (SDI Device and Point reported)	`dd/dd tt:tt ql ACCT aaaa PARMS BAD CKSUM` `+++ ACCT aaaa            POINT=ppp SDI=ddd`	h1rrlssssssaaaasTspppt	<header>[#aaaa|NpidddYFppp]
Perimeter Delay by Area	`dd/dd tt:tt ql ACCT aaaa PERM DLAY ARMED` `+++ ACCT aaaa                AREA=a ID=iii`	h1rrlssssssaaaasCsiiit	<header>[#aaaa|Nria/idiiiNL]
Perimeter Delay by Area (ID not reported)	`dd/dd tt:tt ql ACCT aaaa PERM DLAY ARMED` `+++ ACCT aaaa                       AREA=a`	h1rrlssssssaaaasCsssst	<header>[#aaaa|NriaNL]
Perimeter Instant by Area	`dd/dd tt:tt ql ACCT aaaa PERM INST ARMED` `+++ ACCT aaaa                AREA=a ID=iii`	h1rrlssssssaaaasCsiiit	<header>[#aaaa|Nria/idiiiNL]
Perimeter Instant by Area (ID not reported)	`dd/dd tt:tt ql ACCT aaaa PERM INST ARMED` `+++ ACCT aaaa                       AREA=a`	h1rrlssssssaaaasCsssst	<header>[#aaaa|NriaNL]
Phone Line Fail (Line 1)	`dd/dd tt:tt ql ACCT aaaa PHONE LINE FAIL` `+++ ACCT aaaa                PHONE LINE=1`	h1rrlssssssaaaasTsssBt	<header>[#aaaa|NLT1]
Phone Line Fail (Line 2)	`dd/dd tt:tt ql ACCT aaaa PHONE LINE FAIL` `+++ ACCT aaaa                PHONE LINE=2`	h1rrlssssssaaaasTsssCt	<header>[#aaaa|NLT2]

Signal	Internal/External Printer	6500 Output Mode	SIA Output Mode
Phone Line Restoral (Line 1)	`dd/dd tt:tt ql ACCT aaaa   PHONE RESTORAL` `+++ ACCT aaaa                PHONE LINE=1`	`h1rrlssssssaaaasRsssBt`	`<header>[#aaaa|NLR1]`
Phone Line Restoral (Line 2)	`dd/dd tt:tt ql ACCT aaaa   PHONE RESTORAL` `+++ ACCT aaaa                PHONE LINE=2`	`h1rrlssssssaaaasRsssCt`	`<header>[#aaaa|NLR2]`
Point Bus Fail	`dd/dd tt:tt ql ACCT aaaa   PT BUS TROUBLE`	`h1rrlssssssaaaasTsssDt`	`<header>[#aaaa|NET]`
Point Bus Restoral	`dd/dd tt:tt ql ACCT aaaa PT BUS RESTORAL`	`h1rrlssssssaaaasRsssDt`	`<header>[#aaaa|NER]`
Point Opening	`dd/dd tt:tt ql ACCT aaaa    POINT OPENING` `+++ ACCT aaaa                AREA=a POINT=ppp`	`h1rrlssssssaaaasOspppt`	`<header>[#aaaa|NriaOZppp]`
Point Closing	`dd/dd tt:tt ql ACCT aaaa    POINT CLOSING` `+++ ACCT aaaa                AREA=a POINT=ppp`	`h1rrlssssssaaaasCspppt`	`<header>[#aaaa|NriaCZppp]`
[Point Text]	`+++ ACCT aaaa  (point text)`	no message	no message
RAM Access Fail (Call Back)	`dd/dd tt:tt ql ACCT aaaa RAM ACCESS FAIL`	`h1rrlssssssaaaasTsssFt`	`<header>[#aaaa|NRU]`
RAM Access Fail (No Call Back)	`dd/dd tt:tt ql ACCT aaaa RAM ACCESS FAIL` `+++ ACCT aaaa                PHONE#=h`	`h1rrlssssssaaaasTsssFt`	`<header>[#aaaa|NphhRU]`
RAM Access OK (via Phone Line)	`dd/dd tt:tt ql ACCT aaaa    RAM ACCESS OK`	`h1rrlssssssaaaasRsssFt`	`<header>[#aaaa|NRS]`
RAM Access OK (from Call Back)	`dd/dd tt:tt ql ACCT aaaa    RAM ACCESS OK` `+++ ACCT aaaa                PHONE#=h`	`h1rrlssssssaaaasRsssFt`	`<header>[#aaaa|NphhRS]`
Re-Boot	`dd/dd tt:tt ql ACCT aaaa          RE-BOOT`	`h1rrlssssssaaaasNsD14t`	`<header>[#aaaa|NRR]`
Re-Boot (SDI Device and Point reported)	`dd/dd tt:tt ql ACCT aaaa          RE-BOOT` `+++ ACCT aaaa                POINT=ppp SDI=ddd`	`h1rrlssssssaaaasNspppt`	`<header>[#aaaa|NpidddRRppp]`

Signal	Internal/External Printer	6500 Output Mode	SIA Output Mode

Relay Reset
(by Programmer)
	`dd/dd tt:tt ql ACCT aaaa    RELAY RESET`
	`+++ ACCT aaaa             BY PROGRAMMER`
	`+++ ACCT aaaa        RELAY#=rrr SDI=ddd`
		h1rrlsssssssaaaasNsD22t	<header>[#aaaa|NpidddROrrr]

Relay Reset
(by RAM)
	`dd/dd tt:tt ql ACCT aaaa    RELAY RESET`
	`+++ ACCT aaaa                BY REMOTE`
	`+++ ACCT aaaa                RELAY#=rrr`
		h1rrlsssssssaaaasNsD24t	<header>[#aaaa|NROrrr]

Relay Reset
(by SKED)
	`dd/dd tt:tt ql ACCT aaaa    RELAY RESET`
	`+++ ACCT aaaa                  BY SKED`
	`+++ ACCT aaaa        RELAY#=rrr SKED=kk`
		h1rrlsssssssaaaasNsD20t	<header>[#aaaa|NaikkROrrr]

Relay Reset
(by USER)
	`dd/dd tt:tt ql ACCT aaaa    RELAY RESET`
	`+++ ACCT aaaa                  BY USER`
	`+++ ACCT aaaa         ID=iii RELAY#=rrr`
		h1rrlsssssssaaaasNsD18t	<header>[#aaaa|NidiiiROrrr]

Relay Set
(by Programmer)
	`dd/dd tt:tt ql ACCT aaaa     RELAY SET`
	`+++ ACCT aaaa             BY PROGRAMMER`
	`+++ ACCT aaaa        RELAY#=rrr SDI=ddd`
		h1rrlsssssssaaaasNsD21t	<header>[#aaaa|NpidddRCrrr]

Relay Set
(by RAM)
	`dd/dd tt:tt ql ACCT aaaa     RELAY SET`
	`+++ ACCT aaaa                BY REMOTE`
	`+++ ACCT aaaa                RELAY#=rrr`
		h1rrlsssssssaaaasNsD23t	<header>[#aaaa|NRCrrr]

Relay Set
(by SKED)
	`dd/dd tt:tt ql ACCT aaaa     RELAY SET`
	`+++ ACCT aaaa                  BY SKED`
	`+++ ACCT aaaa        RELAY#=rrr SKED=kk`
		h1rrlsssssssaaaasNsD19t	<header>[#aaaa|NaikkRCrrr]

Relay Set
(by USER)
	`dd/dd tt:tt ql ACCT aaaa     RELAY SET`
	`+++ ACCT aaaa                  BY USER`
	`+++ ACCT aaaa         ID=iii RELAY#=rrr`
		h1rrlsssssssaaaasNsD28t	<header>[#aaaa|NidiiiRCrrr]

Remote Reset	`dd/dd tt:tt ql ACCT aaaa    REMOTE RESET`	h1rrlsssssssaaaasNsD11t	<header>[#aaaa|NRN]
Restoral (From Trouble, Missing, Non-Fire Supervision)	`dd/dd tt:tt ql ACCT aaaa RESTORAL REPORT` `+++ ACCT aaaa            AREA=a POINT=ppp`	h1rrlsssssssaaaasRspppt	<header>[#aaaa|NriaBRppp]

Signal	Internal/External Printer	6500 Output Mode	SIA Output Mode
Restoral from Alarm	`dd/dd tt:tt ql ACCT aaaa RESTORE FRM ALM` `+++ ACCT aaaa          AREA=a POINT=ppp`	h1rrlsssssssaaaasRspppt	\<header>[#aaaa|NriaBHppp]
SDI Fail	`dd/dd tt:tt ql ACCT aaaa     SDI FAILURE` `+++ ACCT aaaa                  SDI=ddd`	h1rrlsssssssaaaasTsssDt	\<header>[#aaaa|NpidddET]
SDI Fail (Point reported)	`dd/dd tt:tt ql ACCT aaaa     SDI FAILURE` `+++ ACCT aaaa          POINT=ppp SDI=ddd`	h1rrlsssssssaaaasTspppt	\<header>[#aaaa|NpidddETppp]
SDI Restoral	`dd/dd tt:tt ql ACCT aaaa     SDI RESTORAL` `+++ ACCT aaaa                  SDI=ddd`	h1rrlsssssssaaaasRsssDt	\<header>[#aaaa|NpidddER]
SDI Restoral (Point reported)	`dd/dd tt:tt ql ACCT aaaa     SDI RESTORAL` `+++ ACCT aaaa          POINT=ppp SDI=ddd`	h1rrlsssssssaaaasRspppt	\<header>[#aaaa|NpidddERppp]
Sensor Reset	`dd/dd tt:tt ql ACCT aaaa     SENSOR RESET` `+++ ACCT aaaa   AREA=a ID=iii RELAY#=rrr`	h1rrlsssssssaaaasNsD27t	\<header>[#aaaa|Nria/idiiiXIrrr]
Service End	`dd/dd tt:tt ql ACCT aaaa      SERVICE END` `+++ ACCT aaaa                   AREA=a`	h1rrlsssssssaaaasRsssFt	\<header>[#aaaa|NriaTE]
Service Start	`dd/dd tt:tt ql ACCT aaaa    SERVICE START` `+++ ACCT aaaa              AREA=a ID=iii`	h1rrlsssssssaaaasTsssFt	\<header>[#aaaa|Nria/idiiiTS]
Sked Changed	`dd/dd tt:tt ql ACCT aaaa     SKED CHANGED` `+++ ACCT aaaa              ID=iii SKED=kk`	h1rrlsssssssaaaasNsD06t	\<header>[#aaaa|Nidiii/aikkJS]
Sked Executed	`dd/dd tt:tt ql ACCT aaaa    SKED EXECUTED` `+++ ACCT aaaa                   SKED=kk`	h1rrlsssssssaaaasNsD25t	\<header>[#aaaa|NaikkJR]
Status: Alarm	`dd/dd tt:tt ql ACCT aaaa         S:ALARM` `+++ ACCT aaaa            AREA=a POINT=ppp`	h1rrlssssssaaaaSAspppt	\<header>[#aaaa|OriaBAppp]
Status: Close by Area	`dd/dd tt:tt ql ACCT aaaa       S:CLOSING` `+++ ACCT aaaa                   AREA=a`	h1rrlsssssssaaaaSCsssst	\<header>[#aaaa|OriaCL]

Signal	Internal/External Printer	6500 Output Mode	SIA Output Mode
Status: Door Left Open	`dd/dd tt:tt ql ACCT aaaa  S:DR LEFT OPEN` `+++ ACCT aaaa           AREA=a POINT=ppp`	h1rrlssssssaaaaSIspppt	<header>[#aaaa|OriaDNppp]
Status: Fire Alarm	`dd/dd tt:tt ql ACCT aaaa    S:FIRE ALARM` `+++ ACCT aaaa           AREA=a POINT=ppp`	h1rrlssssssaaaaSFspppt	<header>[#aaaa|OriaFAppp]
Status: Fire Missing	`dd/dd tt:tt ql ACCT aaaa  S:FIRE MISSING` `+++ ACCT aaaa           AREA=a POINT=ppp`	h1rrlssssssaaaaSZspppt	<header>[#aaaa|OriaFYppp]
Status: Fire Supervision	`dd/dd tt:tt ql ACCT aaaa S:FIRE SUPRVISN` `+++ ACCT aaaa           AREA=a POINT=ppp`	h1rrlssssssaaaaSEspppt	<header>[#aaaa|OriaFSppp]
Status: Fire Trouble	`dd/dd tt:tt ql ACCT aaaa  S:FIRE TROUBLE` `+++ ACCT aaaa           AREA=a POINT=ppp`	h1rrlssssssaaaaSGspppt	<header>[#aaaa|OriaFTppp]
Status: Missing Alarm	`dd/dd tt:tt ql ACCT aaaa S:MISSING ALARM` `+++ ACCT aaaa           AREA=a POINT=ppp`	h1rrlssssssaaaaSZspppt	<header>[#aaaa|OriaUZppp]
Status: Missing Fire **Supervision**	`dd/dd tt:tt ql ACCT aaaa S:MIS FIR SUPRV` `+++ ACCT aaaa           AREA=a POINT=ppp`	h1rrlssssssaaaaSYspppt	<header>[#aaaa|OriaFZppp]
Status: Missing Supervision	`dd/dd tt:tt ql ACCT aaaa  S:MIS SUPRVISN` `+++ ACCT aaaa           AREA=a POINT=ppp`	h1rrlssssssaaaaSYspppt	<header>[#aaaa|OriaBZppp]
Status: Missing Trouble	`dd/dd tt:tt ql ACCT aaaa  S:MISSING TRBL` `+++ ACCT aaaa           AREA=a POINT=ppp`	h1rrlssssssaaaaSVspppt	<header>[#aaaa|OriaUYppp]
Status: Open by Area	`dd/dd tt:tt ql ACCT aaaa        S:OPENING` `+++ ACCT aaaa                    AREA=a`	h1rrlssssssaaaaSOsssst	<header>[#aaaa|OriaOP]
Status: Perimeter Delay **by Area**	`dd/dd tt:tt ql ACCT aaaa    S:PERIM DELAY` `+++ ACCT aaaa                    AREA=a`	h1rrlssssssaaaaSCsssst	<header>[#aaaa|OriaNL]
Status: Perimeter Instant **by Area**	`dd/dd tt:tt ql ACCT aaaa S:PERIM INSTANT` `+++ ACCT aaaa                    AREA=a`	h1rrlssssssaaaaSCsssst	<header>[#aaaa|OriaNL]

Signal	Internal/External Printer	6500 Output Mode	SIA Output Mode
Status: Supervision	`dd/dd tt:tt ql ACCT aaaa    S:SUPERVISION` `+++ ACCT aaaa          AREA=a POINT=ppp`	h1rrlsssssssaaaaSTspppt	<header>[#aaaa|OriaBSppp]
Status: Trouble	`dd/dd tt:tt ql ACCT aaaa       S:TROUBLE` `+++ ACCT aaaa          AREA=a POINT=ppp`	h1rrlssssssaaaaSTspppt	<header>[#aaaa|OriaBTppp]
Supervision (Non-Fire)	`dd/dd tt:tt ql ACCT aaaa       SUPERVISION` `+++ ACCT aaaa          AREA=a POINT=ppp`	h1rrlssssssaaaasJspppt	<header>[#aaaa|NriaBSppp]

Test Report Expanded
`ACCT aaaa            LOG THRESHOLD`
	`dd/dd tt:tt ql ACCT aaaa       TEST REPORT`
	`+++ ACCT aaaa          LOG OVERFLOW`
	`+++ ACCT aaaa          PT BUS TROUBLE`
	`+++ ACCT aaaa          PROG ACCESS OK`
	`+++ ACCT aaaa          BAD CALL TO RAM`
	`+++ ACCT aaaa          USER TAMPER`
	`+++ ACCT aaaa          SDI FAILURE`
	`+++ ACCT aaaa          COMM FAILURE`
	`+++ ACCT aaaa          AC FAILURE`
	`+++ ACCT aaaa          BATTERY MISSING`
	`+++ ACCT aaaa          BATTERY LOW`
	`+++ ACCT aaaa          PARAMS BAD CKSM`
	`+++ ACCT aaaa          PHONE FAIL`
	`+++ ACCT aaaa          FIRE SUPERVISION`
		h1rrlssssssaaaasRsssEt
		h1rrlssssssaaaaSBsssst
		h1rrlssssssaaaaSLsssst
		h1rrlssssssaaaaSTsssst
		h1rrlssssssaaaaSRsssst
		h1rrlssssssaaaaSTsssst
		h1rrlssssssaaaaSUsssst
		h1rrlssssssaaaaSDsssst
		h1rrlssssssaaaaSPsssst
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		h1rrlssssssaaaaSTsssst
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			<header>[#aaaa|OYT]
			<header>[#aaaa|OYF]
			<header>[#aaaa|OLT]
			<header>[#aaaa|OFS]

Test Off Normal Expanded	`dd/dd tt:tt ql ACCT aaaa TEST-OFF NORMAL`
	`+++ ACCT aaaa          LOG THRESHOLD`
	`+++ ACCT aaaa          LOG OVERFLOW`
	`+++ ACCT aaaa          PT BUS TROUBLE`
	`+++ ACCT aaaa          PROG ACCESS OK`
	`+++ ACCT aaaa          BAD CALL TO RAM`
	`+++ ACCT aaaa          USER TAMPER`
	`+++ ACCT aaaa          SDI FAILURE`
	`+++ ACCT aaaa          COMM FAILURE`
	`+++ ACCT aaaa          AC FAILURE`
	`+++ ACCT aaaa          BATTERY MISSING`
	`+++ ACCT aaaa          BATTERY LOW`
	`+++ ACCT aaaa          PARAMS BAD CKSM`
	`+++ ACCT aaaa          PHONE FAIL`
	`+++ ACCT aaaa          FIRE SUPERVISION`
		h1rrlssssssaaaasRsssEt
		h1rrlssssssaaaaSBsssst
		h1rrlssssssaaaaSLsssst
		h1rrlssssssaaaaSTsssst
		h1rrlssssssaaaaSRsssst
		h1rrlssssssaaaaSTsssst
		h1rrlssssssaaaaSUsssst
		h1rrlssssssaaaaSDsssst
		h1rrlssssssaaaaSPsssst
		h1rrlssssssaaaaSPsssst
		h1rrlssssssaaaaSTsssst
		h1rrlssssssaaaaSTsssst
		h1rrlssssssaaaaSMsssst
		h1rrlssssssaaaaSTsssst
		h1rrlssssssaaaaSEsssst
			<header>[#aaaa|NRY]
			<header>[#aaaa|OJL]
			<header>[#aaaa|OJO]
			<header>[#aaaa|OET]
			<header>[#aaaa|OLS]
			<header>[#aaaa|ORA]
			<header>[#aaaa|OJA]
			<header>[#aaaa|OET]
			<header>[#aaaa|OYC]
			<header>[#aaaa|OAT]
			<header>[#aaaa|OYM]
			<header>[#aaaa|OYT]
			<header>[#aaaa|OYF]
			<header>[#aaaa|OLT]
			<header>[#aaaa|OFS]

Signal	Internal/External Printer	6500 Output Mode	SIA Output Mode
Test Report Non-Expanded	`dd/dd tt:tt ql ACCT aaaa     TEST REPORT`	h1rrlsssssssaaaasRsssEt	<header>[#aaaa|NRP]
Time Changed	`dd/dd tt:tt ql ACCT aaaa     TIME CHANGED` `+++ ACCT aaaa                    ID=iii`	h1rrlsssssssaaaasNsD07t	<header>[#aaaa|NidiiiJT]
Trouble	`dd/dd tt:tt ql ACCT aaaa   TROUBLE REPORT` `+++ ACCT aaaa            AREA=a POINT=ppp`	h1rrlsssssssaaaasTspppt	<header>[#aaaa|NriaBTppp]
User Alarm 7	`dd/dd tt:tt ql ACCT aaaa USER ALARM CMD7` `+++ ACCT aaaa               AREA=a ID=iii`	h1rrlsssssssaaaasUsss7t	<header>[#aaaa|Nria/idiiiUA]
User Alarm 9	`dd/dd tt:tt ql ACCT aaaa USER ALARM CMD9` `+++ ACCT aaaa               AREA=a ID=iii`	h1rrlsssssssaaaasUsss9t	<header>[#aaaa|Nria/idiiiPA]
User Code Added	`dd/dd tt:tt ql ACCT aaaa USER CODE ADDED` `+++ ACCT aaaa          CODE ID=ccc ID=iii`	h1rrlsssssssaaaasNsD38t	<header>[#aaaa|NidiiiJYccc]
User Code Changed	`dd/dd tt:tt ql ACCT aaaa USR CODE CHANGE` `+++ ACCT aaaa          CODE ID=ccc ID=iii`	h1rrlsssssssaaaasNsD04t	<header>[#aaaa|NidiiiJVccc]
User Code Deleted	`dd/dd tt:tt ql ACCT aaaa USR CODE DELETE` `+++ ACCT aaaa          CODE ID=ccc ID=iii`	h1rrlsssssssaaaasNsD05t	<header>[#aaaa|NidiiiJXccc]
User Code Tamper	`dd/dd tt:tt ql ACCT aaaa USR CODE TAMPER` `+++ ACCT aaaa                       AREA=a`	h1rrlsssssssaaaasNsD03t	<header>[#aaaa|NriaJA]
User Level Set	`dd/dd tt:tt ql ACCT aaaa   USER LEVEL SET` `+++ ACCT aaaa           CODE ID=ccc ID=iii`	h1rrlsssssssaaaasNsD40t	<header>[#aaaa|NidiiiJZccc]
[User Text]	`+++ ACCT aaaa  (user text)`	no message	no message
Walk Test End	`dd/dd tt:tt ql ACCT aaaa    WALK TEST END` `+++ ACCT aaaa                        AREA=a`	h1rrlsssssssaaaasRsssFt	<header>[#aaaa|NriaTE]
Walk Test Start	`dd/dd tt:tt ql ACCT aaaa WALK TEST START` `+++ ACCT aaaa               AREA=a ID=iii`	h1rrlsssssssaaaasTsssFt	<header>[#aaaa|Nria/idiiiTS]

Signal	Internal/External Printer	6500 Output Mode	SIA Output Mode
Watchdog Reset	`dd/dd tt:tt ql ACCT aaaa   WATCHDOG RESET`	h1rrlsssssssaaaasNsD09t	<header>[#aaaa|NYW]
Watchdog Reset (SDI Device and Point reported)	`dd/dd tt:tt ql ACCT aaaa   WATCHDOG RESET` `  +++ ACCT aaaa           POINT=ppp SDI=ddd`	h1rrlsssssssaaaasNspppt	<header>[#aaaa|NpidddYWppp]

Numbered Table Notes:

1. The program in the D7112/D9112 determines the formats of the user identification and point data as they are sent to the automation system. If the panel requests a translation, the D6500 converts point data to ZONEX format and user IDs to COMEX format. If there is no request for translation, points and IDs are transmitted to automation and printed on the internal printer with no conversion. User ID and point data are translated as shown below.

```
point        ZONEX              id          COMEX
001-008      100-800            0           0
009-024      101-116            1-5         001-005
025-040      201-216            0-13        601-608
041-056      301-316            14-21       701-708
057-072      401-416            22-29       801-808
073-088      501-516            30-37       B01-B08
089-104      601-616            38-45       C01-C08
105-120      701-716            46-53       D01-D08
121-136      801-816            54-61       E01-E08
137-152      117-132            62-69       F01-F08
153-168      217-232            70-249      000
169-184      317-332
185-200      417-432
201-216      517-532
217-232      617-632
233-247      717-731
```

2. These messages are also capable of being transmitted by a D7112 via Modem II.

3. The D6500 MPU program items **BFSK Fire Bit**, **ModemIIe Fire** and **SIA Fire Restore** determine how the D6500 sends fire alarms, troubles, and restorals to the automation system. Refer to the D6500 Security Receiver Program Entry Guide for specific details.

4. Not used.

5. When the D7112 is transmitting a test report in Modem II, the area # will be output to the automation system if **Output Format** is set to **SIA** communications mode.

   Example: <header>[#aaaa|OriaJL]   for Log Threshold Since Last Call.

6. When transmitted by a D7112, the identification number, if any, is also printed (see Forced Point, D9112 Modem II "Other Reports" section).

7. These messages can be turned off via the a "null phone#" for the event class. All messages in this class exist in a unique event class.

8. For these events, the area denotes the location of the keypad used to initiate the event (see Sensor Reset).

9. **BFSK Format:** For the D9112, unless otherwise specified, the zone digit "z" is based on the "BFSK zone code" for a given point. This code is programmed in the panel by point. The zone digit "i" indicates the most significant digit of the user ID.

   For the D7112, unless otherwise specified, the zone digit "z" is based on the following table. ID translation is based on the same table, however actual IDs only go up to 25.

Reported Zone/ID	1	2	3	4	5	6	7	8
Actual Point/ID	1	2	3	4	5	6	7	8
	9	10	11	12	13	14	15	16
	17	18	19	20	21	22	23	24
	25	26	27	28	29	30	31	32
	33	34	35	36	37	38	39	40
	41	42	43	44	45	46	47	48

10. This message can be reported from a D7112 RF point. The internal/external printer prints the label `RF POINT=` instead of `POINT=` in the second line.

   Example:　　　　`dd/dd tt:tt ql ACCT aaaa FIRE ALARM`

   　　　　　　　　`+++ ACCT aaaa   AREA=a RF POINT=ppp`

4.5 Input Command Processing

Input devices, such as automation systems, can send the commands described below to the D6500 to set the time and date, switch line cards during listen in, and stop a listen in session. If the D6500 does not recognize a command it generates a `REJECT COMMAND` message, prints at D6500 printers and sends an ASCII text type message to the automation port (6500 Mode Only).

To use this feature, 6500:MPU **Input Commands** must be programmed **Yes**.

Set Time

The automation system, or other device, must send the command shown below to set the time at the D6500.

!Thhmm<CR>

hh - hours (24 hour format), **mm** - minutes

`REMOTE SET TIME` appears in the D6500 display and prints at D6500 printers as programmed.

Set Date

The automation system, or other device, must send the command shown below to set the date at the D6500.

!Dmmddyy<CR>

mm - month, **dd** - day, **yy** - year

`REMOTE SET DATE` appears in the D6500 display and prints at D6500 printers as programmed.

Switch Line Card

The automation system, or other device, must send the command shown below to switch from a listen in session on one line card to the line card specified.

!Ln<CR>
n - line card number

`L# LISTEN SWITCHED` appears in the D6500 display and prints at D6500 printers as programmed.

Stop Listening

The automation system, or other device, must send the command shown below to stop a listen in session on the line card specified.

!Kn<CR>
n - line card number

`L# LISTEN STOP` appears in the D6500 display and prints at D6500 printers as programmed.

All Input Commands generate an ASCII text type message to the automation port. The D6500 and SIA Automation output formats for these Input Commands are shown in Table 7.

4.6 Link Test

The Link test is used to test the connection between the D6500 Receiver and the automation system to which it is connected.

Input devices, such as automation systems, can cause the D6500 to generate a Link Test message. The Link Test message is only generated when the D6500 has received a request from the input device, such as an automation system (SIA Mode Only). The Link Test message, as defined by SIA, is a Null Message.(SIA Mode Only)

The D6500 can automatically generate this message at intervals of 60 seconds (6500 Mode Only). To use this feature, 6500:MPU *Link Test* must be programmed **Yes**.

To request a Link Test message from the D6500, the automation system must send an Ambiguous Null (see example below).

Example: SIA Link Test

Automation sends Ambiguous Null to the D6500:

<Header>
| -- |
<lf> <checksum> <tab> <0000> <Receiver #> <Line#>   <[]> <CR>

If the D6500 receives the Ambiguous Null message, it will respond with the Link Test (Null Message):

<Header>
| -- |
<lf> <checksum> <tab> <1234> <Receiver #> <Line#>   <[]> <CR>

NOTE   The difference between the Ambiguous Null and the Null messages is the Sequence number. The Sequence number is the group of four digits between the tab character and the Receiver#. The Sequence number is always greater than zero except in the Ambiguous Null message.

For more information on SIA Output, see Section 4.3 SIA Mode Messages.

Message Type 1 - Supervisory Link Test

D6500 Byte Description

Link Test: hlrrlssssssssssss@sssst

1 = Header Character (h)   Optional. Check with the computer automation software for compatibility.

2 = Message Type   ASCII 1. Message Type 1.

3 through 4 = Receiver Number

5 = Line Card Number   Line number

6 through 16 = Spaces   ASCII spaces

17 = Event Code   Event code as @ for link test.

18 through 21 = Spaces   ASCII spaces

22 = Trailer Character   Typically this is a HEX 14.

5. The "Auxiliary RS-232 Output" (D6555 Printer Terminator)

The D6555 Printer Terminator Card is an expansion accessory for the D6500 Receiver. It supports a supervised external printer or CRT monitor from its RS-232 Serial Port. Refer to the D6500 Operation and Installation Manual for installation instructions.

The RS-232 port can be used in conjunction with or instead of the internal printer. MPU card programming determines which device(s) are to be primary machine(s). Refer to the D6500 Program Entry Guide.

J3 Jumper Configuration

Jumper J3 sets up the RS-232 data I/O protocols for the external device (Printer or CRT) to be connected to the D6555. Located near the middle of the D6555 circuit card, Jumper J3 has Dual Socket Jumpers that are used to configure the D6555 for the external device, as shown in Figure 2.

NOTES: Pin 7 in the 25-Pin RS-232 Connector is **always** Grounded. Additional Grounding connections between the D6500 Receiver and the external printer or CRT are **not** necessary.
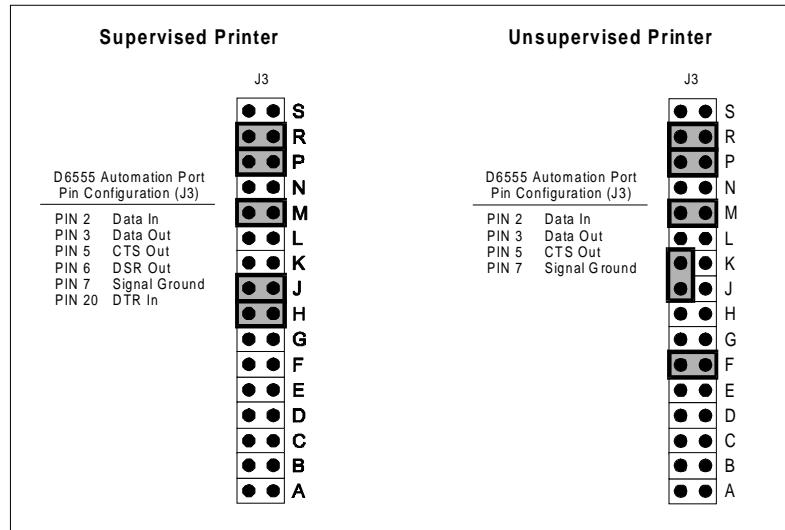

Figure 2: Printer Terminator Card J3 Jumper Installation

Messages

Reports from an external printer read from top to bottom (see Figure 2). Reports from the internal printer module of the D6500 read from bottom to top.

Newest Report						Oldest Report					
☞ 0729	13:23	L2	ACCT 812	RESTORAL	ZONE F	☞ 0729	13:20	L2	ACCT 812	CLOSING	ZONE B
0729	13:22	L2	ACCT 812	TROUBLE	ZONE F	0729	13:21	L2	ACCT 812	ALARM	ZONE 1
0729	13:22	L2	ACCT 812	OPENING	ZONE B	0729	13:22	L2	ACCT 812	RESTORAL	ZONE 1
0729	13:22	L2	ACCT 812	CANCEL	REPORT	0729	13:22	L2	ACCT 812	CANCEL	REPORT
0729	13:22	L2	ACCT 812	RESTORAL	ZONE 1	0729	13:22	L2	ACCT 812	OPENING	ZONE B
0729	13:21	L2	ACCT 812	ALARM	ZONE 1	0729	13:22	L2	ACCT 812	TROUBLE	ZONE F
☞ 0729	13:20	L2	ACCT 812	CLOSING	ZONE B	☞ 0729	13:23	L2	ACCT 812	RESTORAL	ZONE F

Oldest Report	Newest Report
D6500 INTERNAL PRINTER MODULE	**EXTERNAL PRINTER**
Read report **from bottom to top**	Read report **from top to bottom**

Figure 3: Printer Report Comparison

D6500 Computer Interface Installation Manual Supplement

This supplement is prepared for using the D6510A MPU and the D6541 Line Card in addition to the *D6500 Computer Interface Installation Manual*.

Ademco Contact-ID

Receiver sends to computer:
        D6500 Mode: harrlsaaaa18QXYZGGCCCt
        SIA Mode: <LF><CRC>a<seq><rec><line>[#aaaa|18QXYZGGCCC]<CR>

Receiver sends to printer:
        mm/ddshh:mmsCIDsLxxsACCTsaaaa
        +++sACCTsaaaasNNNsEVENT=XYZsG=GGsC=CCC
        CID: Contact-ID format
        Lxx: Line number
        NNN: If Q=1, print E/O for new Event or Opening. If Q=3, print R/C for Restore or Closing. If Q=6, print OLD

Definition of automation output codes:
        h: Header
        a: Contact-ID protocol identifier
        rr: Receiver number
        l: Line Card number
        s: Space
        aaaa: Account code
        18:     Format number for Contact-ID format
        Q: Qualifier,   1=New event or opening
                                      3=New restore or closing
                                          6=Previous event
        XYZ: Class code and event code (*see Appendix on page 5 and 6*)
        GG: Group number
        CCC: Zone codes or user ID
        t: Trailer

Ademco High Speed

Receiver sends to computer:
        D6500 Mode: h8rrlaaaasCCCCsCCCCsSt
        SIA Mode: <LF><CRC>8<seq><rec><line>[#aaaa|CCCCsCCCCsS]<CR>

Receiver sends to printer:
        mm/ddshh:mmsHGHsLxxsACCTsaaaasCCCCCCCCsS
        HGH: Ademco High Speed format
        Lxx: Line number

Definition of automation output codes:

- h: Header
- 8:   Ademco High Speed protocol identifier
- rr: Receiver number
- l: Line Card number
- s: Space
- aaaa: Account code
- C: Channels 1-8
- S: Supervisory channel
- t: Trailer

Ademco 4-1 Express

Receiver sends to computer:

D6500 Mode: hbrrlsssssssaaaasEsssXt
SIA Mode: <LF><CRC>b<seq><rec><line>[#aaaa|X]<CR>

Receiver sends to printer:

mm/ddshh:mmsE41sLxxsACCTsaaaassssEVENT=X
E41: Ademco 4-1 Express format
Lxx: Line number

Definition of automation output codes:

- h: Header
- b: Ademco 4-1 Express protocol identifier
- rr: Receiver number
- l: Line Card number
- s: Space
- aaaa: Account code
- X: Event code, 'A' as factory default
- t: Trailer

Ademco 4-2 Express:

Receiver sends to computer:

D6500 Mode: hcrrlssssssssaaaasEssXYt
SIA Mode: <LF><CRC>c<seq><rec><line>[#aaaa|XY]<CR>

Receiver sends to printer:

mm/ddshh:mmsE42sLxxsACCTsaaaasssEVENT=XY
E42: Ademco 4-2 Epress format
Lxx: Line number

Definition of automation output codes:

- h: Header
- c: Ademco 4-2 Express protocol identifier
- rr: Receiver number
- l: Line Card number
- s: Space
- aaaa: Account code
- E: Event code, 'A' as factory default
- XY: Event number and zone number
- t: Trailer

FBI Super Fast

Receiver sends to computer:
D6500 Mode: hFrrlssssssaaaaTZZEsst
SIA Mode: <LF><CRC>F <seq><rec><line>[#aaaa|TZZE]<CR>

Receiver sends to printer:
mm/ddshh:mmsFBIsLxxsACCTsaaaasssssssssTZZE
+++sACCTsaaaasstttttttttseeeeeeeeesiisnnn
FBI: FBI Super Fast format
Lxx: Line number

Definition of automation output codes:
h: Header
F: FBI Super Fast protocol identifier
rr: Receiver number
l: Line Card number
s: Space
aaaa: Account code
T: Zone type
ZZ: Zone number
E: Event type
t: Trailer

Zone /Event Type Code Table:

Code Number	Zone/Event Type
1	Fire
2	Panic
3	Burglary
4	Medical
5	Auxiliary
6	Bypass
7	Inactive
8	Eight
9	Nine
0	Zero
B	Opening
C	Closing
D	Abort
E	Restore
F	Trouble

Definition of printer output codes:
ii: ZN=Zone - ID=User
nnn: Zone/User number
ttttttttt: Up to 9 character zone type, right justified - FIRE, PANIC, BURGLARY, MEDICAL, AUXILIARY
eeeeeeeee: Up to 8 character event type, left justified - ALARM, RESTORE, ABORT, TROUBLE, OPEN, CLOSE, BYPASS, INACTIVE

Acron Super Fast

Receiver sends to computer:
> D6500 Mode: h9rrlssssaaaaCCCCCCCCt
> SIA Mode: <LF><CRC>9 <seq><rec><line>[#aaaa|CCCCCCCC]<CR>

Receiver sends to printer:
> mm/ddshh:mmsACNsLxxsACCTsaaaassCCCCsCCCC
> ACN: Acron Super Fast format
> Lxx: Line number

Definition of automation output codes:
> h: Header
> 9:   Acron Super Fast protocol identifier
> rr: Receiver number
> l: Line Card number
> s: Space
> aaaa: Account code
> C: Channels 1-8
> t: Trailer

DSC/Sur-Gard 4-3 and 4-3 with Checksum

Receiver sends to computer:
> D6500 Mode: hdrrlsssssssaaaasEsXYYt
> SIA Mode: <LF><CRC>d<seq><rec><line>[#aaaa|XYY]<CR>

Receiver sends to printer:
> mm/ddshh:mmsDSGsLxxsACCTsaaaassssssssssXYY
> +++sACCTsaaaassssssssssseeeeeeeeeeeesiisnnn
> DSG: DSC/Sur-Gard 4-3 format
> Lxx: Line number

Definition of automation output codes:
> h: Header
> d: DSC 4-3 protocol identifier
> rr: Receiver number
> l: Line Card number
> s: Space
> aaaa: Account code
> E: Event code character
> X: Event Code number
> YY: Zone number
> t: Trailer

Event Code Table

Code Number	Message	Event E Character
1	Alarm	A
2	Alarm	A
3	Alarm	A
4	Close	C
5	Open	O
6	Alarm	A
7	Alarm	A
8	Alarm	A
9	Restore	R
0	Trouble	T
B	CloseGrp	C
C	OpenGrp	O
D	Bypass	B
E	UnBypass	H
F	Cancel	/

Definition of printer output codes:

ii: ZN=Zone number - ID=User ID

nnn: Zone/User number

eeeeeeee: Up to 8 character event type, right justified - ALARM, RESTORE,

TROUBLE, OPEN, OPENGRP, CLOSE, CLOSEGRP, BYPASS, UN BYPASS, CANCEL

Supplement Appendix

Contact-ID Event Code Classifications
The Event codes have been grouped according to the type of event, as described below.

Alarms
100 Medical
101 Pendant transmitter
102 Fail to report
110 Fire alarm
111 Smoke
112 Combustion
113 Water flow
114 Heat
115 Pull Station
116 Duct
117 Flame
118 Near alarm
120 Panic alarm
121 Duress
122 Silent
123 Audible
130 Burglary
131 Perimeter
132 Interior
133 24 Hour
134 Entry/Exit
135 Day/Night
136 Outdoor
137 Tamper
138 Near alarm
139 Intrude verify
140 General alarm
141 Polling loop open
142 Polling loop short
143 Expansion module fail
144 Sensor tamper
145 Expansion module tamper
146 Silent burglary
150 24 hour non-burg
151 Gas detected
152 Refrigeration
153 Loss of heat
154 Water leakage
155 Foil break
156 Day trouble
157 Low bottled gas level
158 High temperature
159 Low temperature
161 Air flow loss

Supervisory
200 Fire supervisory
201 Low water pressure
202 Low CO_2
203 Gate valve sensor
204 Low water level
205 Pump activated
206 Pump failure

System Troubles
300 System trouble
301 AC loss
302 Low system battery
303 RAM checksum bad
304 ROM checksum bad
305 System reset
306 Panel program changed
307 Self-test fail
308 System shutdown
309 Battery test fail
310 Ground fault

Sounder/Relay Troubles
320 Sounder/relay trouble
321 Trouble bell 1
322 Trouble bell 2
323 Trouble alarm relay
324 Trouble relay
325 Reversing relay

System and Peripheral Troubles
330 System peripheral
331 Polling loop open
332 Polling loop short
333 Expander module failure
334 Repeater failure
335 Local printer paper out
336 Local printer out
337 Exp. module DC loss
338 Exp. module low batt.
339 Exp. module reset
341 Exp. module tamper

Communication Troubles
350 Communication trouble
351 Telco line fault 1
352 Telco line fault 2
353 Long range radio Xmit fault
354 Communication failure
355 Loss of radio supervision
356 Loss of central polling
357 Radio VSWR trbl.

Protection Loop Troubles
370 Protection loop
371 Protection loop open
372 Protection loop short
373 Fire trouble
374 Exit error (zone)

Sensor Troubles
380 Sensor trouble
381 Loss of supr. - RF
382 Loss of supr. RPM
383 Sensor tamper
384 RF Xmtr. low battery
385 Smoke det. Hi sensitivity
386 Smoke det. Low sensitivity
387 Detector Hi sensitivity
388 Detector Low sensitivity

O/C Remote Access
400 Open/Close
401 O/C by user
402 Group O/C
403 Automatic O/C
404 Late to O/C
405 Deferred O/C
406 Cancel
407 Remote arm/disarm
408 Quick arm
409 Keyswitch O/C

Remote Access
411 Callback request
412 Success - download access
413 Unsuccessful access
414 System shutdown
415 Dialer shutdown

Access Control
421 Access denied
422 User access gained
441 Armed stay
450 Exception O/C
451 Early to O/C
452 O/C late
453 Failed to open
454 Failed to close
455 Auto-arm failed
456 Partial arm
457 Exit error
458 User on premise
459 Recent close

Supplement Appendix (continued)

Contact-ID Event Code Classifications

Disables/Bypasses
520 Sounder/relay disabled
521 Bell 1 disable
522 Bell 2 disable
523 Alarm relay disable
524 Trouble relay disable
525 Reversing relay disable
551 Dialer disabled
552   Radio Xmitter disabled
570 Zone bypassed
571 Fire bypassed
572 24 hour zone bypassed
573 Burg. bypassed
574 Group bypassed
575 Swinger bypassed

Test/Misc.
601 Manually triggered test
602 Periodic test report
603 Periodic RF Xmission
604 Fire test
605 Status to follow
606 Listen-in to follow
607 Walk test mode
608 Periodic test, system trbl
609 Video Xmitter active
611 Point tested OK
612 Point not tested
621 Event log reset
622 Event log 50% full
623 Event log 90% full
624 Event log overflow
625 Time/date set
626 Time/date inaccurate
627 Program mode entry
628 Program mode exit
630 Schedule change
631 Exception schedule change
632 Access schedule change

Radionics™

Radionics, Inc., 1800 Abbott Street
Salinas, California 93901
Customer Service: (800) 538-5807