

FONSAFE™ Release Notes

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May 1995

About These Release Notes

These Release Notes include information about the version 5.3 software for the CS-4000 Central Station Receiver.

Please forward this information to your Monitoring Bureau.

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About This Document

This document describes CS-4000 enhancements made in the CS-4000 Extended Memory Module software version 5.3 (80-141). This version provides support for FONSAFE. Refer to the *CS-4000 Installation and User's Manual (46-056)* and the appropriate control panel installation manuals for more details.

WARNING: Before installing this software, perform an MSTATUS command to obtain a printout of the CS-4000's current settings. If you are using the E31, E3X, E41, or E42 commands, obtain a printout of their settings also.

Note: Software version 5.3 will not work on a CS-4000 that does not have 64K of random-access memory (RAM). Make sure your CS-4000 is a part number 60-197-64K before attempting to install this software. If you do not have 64K, contact ITI Order Processing at 1-800-777-4841 for an update.

Overview

The CS-4000 software version 5.3 includes the following:

- New panel reports
- FONSAFE interactive commands
- Output formats

New Panel Reports

The most recent version of FONSAFE software is version 5.3. Earlier versions may appear to accept reports and commands, but will not operate properly. Use the VERSION command to display the CS-4000 software version and date information.

WARNING: If you do not use the correct version, you will miss alarms!

Special Reports

The following reports apply to the FONSAFE panel only.

Note: Cancels are not reported on an individual sensor basis. A "cancelled" report indicates that all alarm conditions at the panel site have been acknowledged.

Special Reports

Table 1. Special Report Messages

97 AC Power Fail! hh:mm
99 Low MCU Battery

Console Reports

Table 2. Console Report Messages

0 Police Emerg!
0 Fire Emerg!
0 Emergency!
0 Cancelled
0 Alarm Restoral
0 Phone Test

Keypad Reports

The X stands for any keypad number 1-32.

Table 3. Keypad Report Messages

x Police Emerg!
x Fire Emerg!
x Emergency!
x Cancelled
x Low Battery
x Alarm Restoral
x Phone Test

Sensor Reports

The X stands for any sensor number 1-32.

Table 4. Sensor Report Messages

x Alarm!
x Intrusion!
x Phone Test
x Fire!
x Freeze!
x Flood!
x Police Emerg!

Table 4. Sensor Report Messages (Continued)

x Emergency!
x Supervisory
x Low Battery
x Exit Fault

Interrogator Alarm Verification

The CS-4000 selects reporting FONSAFE panels for alarm verification according to data sent by the panel. The panel account number does not have to be entered in the ATRAP table.

The panel does not report the mode of verification to the CS-4000. All enabled Interrogator Modules must be programmed to use the same verification mode as the CS-4000. The CS-4000 mode is selected with the AUDIO command.

Refer to the "Generic Output Format" section for new alarm verification codes used with the FONSAFE panel.

FONSAFE Interactive Commands

The following CS-4000 commands can be used to program the features of the panel.

ACCESS

To set or display the panel's primary access code, type the following:

ACCESS *abcd*

The characters *abcd* are numeric.

ACCOUNT

To set the panel's account number, type the following:

ACCOUNT *nn-~~nnn~~*

The characters *nn-~~nnn~~* are alphanumeric.

ALARMQ

To display the information in the panel's 6-event alarm buffer, type the following:

ALARMQ

ARMLEV

To set the arming level for a panel zone number, type the following:

ARMLEV *zz n*

Where *zz* is a panel zone number (1-32) and *n* is the arming level (1-3).

For example, **ARMLEV 5 1** arms zone 5 at level 1.

BYPASS

To bypass a panel sensor, type the following:

BYPASS *n*

Where *n* is the panel sensor number to be bypassed (1-32).

CPUTIME

To set the panel's time from the receiver's time, type the following:

CPUTIME SET

To display panel time, type the following:

CPUTIME

CUSTCODE

To set the customer code for the panel, type the following:

CUSTCODE *nnnn*

The customer code characters *nnnn* are numeric (0-9999).

DELAY

To set an entry/exit delay zone, type the following:

DELAY *n* ON

or

DELAY *n* OFF

Where *n* is the panel zone number (1-32) to be delayed. The setting ON means the exit is delayed, OFF means it is not.

DELETE

To delete a panel sensor, type the following:

DELETE *n*

Where *n* is the panel sensor number to be deleted (1-32).

DESCRIPTION

To set a sensor description number, type the following:

DESCRIPTION *zz nnn*

Where *zz* is the panel zone number (1-32) and *nnn* is the description number (0-29).

DISPLAY

To include special FONSAFE commands in the COMMANDS list, type the following:

DISPLAY FONSAFE ON

To remove special FONSAFE commands from the COMMANDS list, type the following:

DISPLAY FONSAFE OFF

ENTRY

To set the panel entry delay time, type the following:

ENTRY *n*

Where *n* is the number of seconds for entry delay (30-60).

EXIT

To set the panel exit delay time, type the following:

EXIT *n*

Where *n* is the number of seconds for exit delay (30-60).

INSTALLMODE

INSTALLMODE inhibits some programming from the panel. This mode prevents the customer from making inadvertent changes. Panel configuration is protected from changes when INSTALLMODE is off.

To place the panel in install mode, type the following:

INSTALLMODE ON

ON allows full on-premise configuration access.

To remove the panel from install mode, type the following:

INSTALLMODE OFF

OFF limits on-premise configuration access.

PHONE

To set the panel's primary phone number, type the following:

PHONE *nnn-nnnn*

Where *nnn-nnn* is a phone number with up to 14 digits. The number may include a *D* to signify a 3-second delay, dashes (-) are ignored. For example, PHONE 9-D-1-800-555-1234 sets the phone number to 9 (for a outside line), wait for 3 seconds, and the phone number.

To set a preprogrammed phone number stored in the PNUM table, type the following:

PHONE *a*

Where *a* is a letter code for a preprogrammed phone number stored in the PNUM table.

PHONE OFF

OFF removes the number from the panel.

PHONE2

To set the panel's second phone number, type the following:

PHONE2 *nnn-nnnn*

Where *nnn-nnn* is a phone number with up to 14 digits. The number may include a *D* to signify a 3-second delay, dashes (-) are ignored. For example, PHONE 9-D-1-800-555-1234 sets the phone number to 9 (for a outside line), wait for 3 seconds, and the phone number.

To set a preprogrammed phone number stored in the PNUM table, type the following:

PHONE2 *a*

Where *a* is a letter code for a preprogrammed phone number stored in the PNUM table.

PHONE2 OFF

OFF removes the number from the panel.

PLEVEL

To set the panel protection level, type the following:

PLEVEL *n*

Where *n* is the number of the new protection level (1-3).

RESTORE

To restore a bypassed panel sensor, type the following:

RESTORE *n*

Where *n* is a panel sensor number (1-32).

SIREN

To set the panel siren timeout limit, type the following:

SIREN *n*

Where *n* is the siren timeout limit in minutes (10-20).

STIME

To set the panel supervisory time, type the following:

STIME *hh:mm*

Where *hh:mm* is the time from 00:00 to 23:59.

STIME OFF

Where off disables the panel supervisory reports.

Note: Time reflects the central station time zone.

TTONE

To enable the panel to use TouchTone dialing when attempting to report to the receiver, type the following:

TTONE ON

To disable TouchTone dialing, type the following:

TTONE OFF

Note: The panel automatically switches to pulse dialing if TouchTone dialing fails on the first call.

ZONES

To display the panel's zones status and settings, type the following:

ZONES STATUS

or

ZONES

Output Formats

After you install your new software, all channels change to version V5.3 default codes. If your automation system receives data from the CS-4000 and does not support the new codes, you can use the CHANNEL command to control the RS-232 output codes sent to your automation system. This command disables unwanted reports or version 5.3 information until you upgrade your automation system.

Note: To use FONSAFE, you must use channel version V5.3.

To prevent the CS-4000 from sending V5.3 report codes to your automation system, perform the following steps:

- 1) Decide which version of the software you want to use, version 4 or version 5.
- 2) Determine which CS-4000 channel number (1-3) is connected to your automation system.
- 3) At the ready prompt, type one of the following (where CN is the CS-4000 channel number.):

CHANNEL CN version V5

CHANNEL CN version V4

To implement version 5.3, type the following:
 CHANNEL CN version V5.3

ITICOMP Format

The following describes the condition codes output for a channel assigned the ITICOMP format.

Special Reports

Table 5. Special Report Codes (ITICOMP)

Report	Condition Code
97 AC Power Fail! hhamm	A
99 Low MCU Battery	L

Console Reports

Table 6. Console Report Codes (ITICOMP)

Report	Condition Code
0 Police Emerg!	Q New for V5.3
0 Fire Emerg!	N New for V5.3
0 Emergency!	M New for V5.3
0 Cancelled	X
0 Alarm Restoral	R
0 Phone Test	Z

Keypad Reports (Keypad Number x: 1-32)

Table 7. Keypad Report Codes (ITICOMP)

Report	Condition Code
X Police Emerg!	Q New for V5.3
X Fire Emerg!	N New for V5.3
X Emergency!	M New for V5.3
X Cancelled	X
X Low Battery	L
X Alarm Restoral	R
X Phone Test	Z

Sensor Reports (Sensor Number x: 1-32)

Table 8. Sensor Report Codes (ITICOMP)

Report	Condition Code
X Alarm!	A
X Intrusion!	A
X Phone Test	Z
X Fire!	A
X Freeze!	A
X Flood!	A
X Police Emerg!	Q New for V5.3
X Emergency!	M New for V5.3
X Supervisory	S
X Low Battery	L
X Exit Fault	E

Generic Format

The following describes the condition codes output for a channel assigned the Generic format.

Special Reports

Table 9. Special Reports (Generic)

Report	Condition Code
97 AC Power Fail! hh:mm	A
99 Low MCU Battery	L

Console Reports

Note: Lowercase x, y, z condition code indicates audio verification reports.

Table 10. Console Reports (Generic)

Report	Condition Code
0 Police Emerg!	Y, y New for V5.3
0 Fire Emerg!	Z, z New for V5.3
0 Emergency!	X, x New for V5.3
0 Cancelled	R
0 Alarm Restoral	W
0 Phone Test	P New for V5.3

Keypad Reports (Keypad Number x: 1-32)

Table 11. Keypad Reports (Generic)

Report	Condition Code
X Police Emerg!	Y, y New for V5.3
X Fire Emerg!	Z, z New for V5.3
X Emergency!	X, x New for V5.3
X Cancelled	R
X Low Battery	L
X Alarm Restoral	W
X Phone Test	P New for V5.3

Sensor Reports (Sensor Number x: 1-32)

Table 12. Sensor Reports (Generic)

Report	Condition Code
X Alarm!	A
X Intrusion!	A
X Phone Test	P New for V5.3
X Fire!	A
X Freeze!	A
X Flood!	A
X Police Emerg!	Y, y New for V5.3
X Emergency!	X, x New for V5.3
X Supervisory	S
X Low Battery	L
X Exit Fault	E

Ademco Format

The following describes the zone number and codes output for a channel assigned the Ademco format.

Special Reports

Table 13. Special Reports (Ademco)

Report	Condition Code
97 AC Power Fail! hhhmm	097A
99 Low MCU Battery	099A

Console Reports

Table 14. Console Reports (Ademco)

Report	Condition Code
0 Police Emerg!	268A New for V5.3
0 Fire Emerg!	278A New for V5.3
0 Emergency!	258A New for V5.3
0 Cancelled	000R
0 Alarm Restoral	No report
0 Phone Test	248A New for V5.3

Keypad Reports (Keypad Number x: 1-32)

Table 15. Keypad Reports (Ademco)

Report	Condition Code
x Police Emerg!	268A New for V5.3
x Fire Emerg!	278A New for V5.3
x Emergency!	258A New for V5.3
x Cancelled	xxxR
x Low Battery	238A
x Alarm Restoral	No report
x Phone Test	248A New for V5.3

Sensor Reports (Sensor Number x: 1-32)

Table 16. Sensor Reports (Ademco)

Report	Condition Code
x Alarm!	xxxA
x Intrusion!	xxxA
x Phone Test	248A New for V5.3

Table 16. Sensor Reports (Ademco) (Continued)

Report	Condition Code
x Fire!	xxxA
x Freeze!	xxxA
x Flood!	xxxA
x Police Emerg!	268A New for V5.3
x Emergency!	258A New for V5.3
x Supervisory	228A
x Low Battery	238A
x Exit Fault	218A



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