

SCS-1062 Receiver Processor**May 2009**

Version 906 Firmware Update

Effective May 2009, Version 906 (4/28/09) firmware is available for the SCS-1062 Central Station Receiver Processor Board. This version is an update from the Version 905 (8/12/08) firmware previously shipped and contains new features.

NOTICE: THIS UPDATE CONTAINS TWO IMPORTANT CHANGES. FIRST, THE ELIMINATION OF THE TWO GMT CHARACTERS FOR TIME UPDATES FROM YOUR AUTOMATION SYSTEM. SECOND, EEPROM WRITE PROTECTION.

REVIEW THIS COMPLETE TECHNICAL UPDATE PRIOR TO INSTALLING VERSION 906, ESPECIALLY THE REMOVAL OF THE GMT CHARACTERS IN THE TIME UPDATE STRING ON PAGE 3. DO NOT INSTALL VERSION 906 UNTIL YOUR AUTOMATION SYSTEM CAN SEND THE TIME UPDATE WITHOUT THE TWO GMT CHARACTERS.

Features**Updated System Messages**

The SCS-1062 now supports the following updated system messages for XT30/XT50 Version 102 software.

LCD Display	Description	Host Automation Message
ALERT: EARLY TO CLOSE ACCESS CONTROL FEATURE	The panel has detected that system arming occurred too early before the scheduled closing time. This message from the panel is optional and allows a programmable number of minutes to define the limit as to how early arming can take place before the scheduled closing time.	S75
ALERT: LATE TO OPEN ACCESS CONTROL FEATURE	The panel has detected that the system has not been disarmed near the scheduled opening time. This message from the panel is optional and allows a programmable number of minutes to define the limit as to how long disarming can take place after the scheduled opening time.	S76

CellCom Messages

The SCS-1062 now supports the following updated system messages for the CellComRT.

S130 WARNING: Cell Communicator Bus Failed

COMMUNICATION SECURITY FEATURE

Communication on the bus between the panel and the cellular communicator has failed while no areas of the system were armed. This message may originate from both the panel and the cellular communicator as both monitor the bus. The restoral message is S132.

S131 ALARM: Cell Communicator Bus Failed

COMMUNICATION SECURITY FEATURE

Communication on the bus between the panel and the cellular communicator has failed while any area of the system was armed. This message may originate from both the panel and the cellular communicator as both monitor the bus. The restoral message is S132.



S132 Cell Communicator Bus Restored

SERVICE NOTIFICATION FEATURE

Communication on the bus between the panel and the cellular communicator has restored. Message is sent from the panel to the receiver and is a restoral for S130 and S131.

S133 WARNING: Cell Communicator DC Failed

SERVICE NOTIFICATION FEATURE

The panel has received a message from the cellular communicator that its input DC voltage is missing or low. The cellular communicator is operating from its internal battery. The restoral message is S134.

S134 Cell Communicator DC Restored

SERVICE NOTIFICATION FEATURE

The panel has received a message from the cellular communicator that its input DC voltage has restored. This message is a restoral for S133.

S135 WARNING: Cell Communicator Low Battery

SERVICE NOTIFICATION FEATURE

The panel has received a message from the cellular communicator that the cellular communicator's standby battery is low or missing. The restoral message is S136.

S136 Cell Communicator Battery Restored

SERVICE NOTIFICATION FEATURE

The panel has received a message from the cellular communicator that the cellular communicator's standby battery has restored. This message restores S135.

S137 WARNING: Cell Communicator Tamper

SECURITY FEATURE

The panel has received a message from the cellular communicator that the cellular communicator's built-in tamper circuit was placed in an open condition while no areas of the system were armed. The restoral message is S139.

S138 ALARM: Cell Communicator Tamper

SECURITY FEATURE

The panel has received a message from the cellular communicator that the cellular communicator's built-in tamper circuit was placed in an open condition while one or more areas of the system were armed. The restoral message is S139.

S139 Cell Communicator Tamper Restored

SECURITY FEATURE

The panel has received a message from the cellular communicator that the cellular communicator's built-in tamper circuit was restored to a normal condition. This message is a restoral for S137 and S138.

Updated Operation

Programming Information

Version 906 firmware enhances the write protection of the receiver programming information contained in the SCS-1062 EEPROM in situations where there is unintended fluctuations in the receiver's input AC voltage.

NOTICE: ONCE THE VERSION 906 IS INSTALLED, THE WRITE PROTECTION OPERATION OF THE EEPROM IS CONFIGURED AND BECOMES PERMANENT. IF FIRMWARE VERSIONS LOWER THAN 906 ARE RE-INSTALLED IN THE SCS-1062, THE RECEIVER WILL OPERATE PROPERLY BUT PROGRAMMING OPTIONS SUCH AS LINE CONFIGURATION AND HOST AUTOMATION PROGRAMMING CANNOT BE CHANGED. OLDER FIRMWARE VERSIONS CAN READ FROM THE EEPROM BUT ARE NOT CONFIGURED TO USE THE ENHANCED WRITE PROTECTION AND SO CANNOT WRITE TO THE EEPROM AFTER VERSION 906 IS INSTALLED.

Time Update String

The definition of the Receiver Time Update String that can be received from the host automation computer to set the receiver's time has been revised to remove the two characters that represented number of hours from GMT. Time update strings sent to the receiver that continue to contain the two GMT characters will cause the receiver to NAK the string.

The Receiver time, day, and date can be set from the host automation computer by sending the following string from the host automation computer to the SCS-1062. See the SCS-1062 Host Communication Specification for the complete description of the Time Update String.

!Dhhmmssnnddyw ^C _R	!D = Time Send Command	
hh	= Hours	(01 - 12 am, 81 - 92 pm)
mm	= Minutes	(00 - 59)
ss	= Seconds	(00 - 59)
nn	= Month	(01 - 12)
dd	= Day	(01 - 31)
yy	= Year	(00 - 99)
w	= Day of Week	(1 - 7, 1 = Sunday)
CR	= Carriage return, Hex 0D	

CONFIRM THAT YOUR AUTOMATION SYSTEM CAN BE CONFIGURED TO SEND A TIME UPDATE WITHOUT THE TWO GMT CHARACTERS PRIOR TO INSTALLING THIS VERSION 906 UPDATE.

Door Access Denied Message

Previously, Door Access Denied messages received from a panel over a digital dialer connection and then sent to the Host Automation Computer were followed by two message ending carriage returns instead of one. This only occurred when the Serial 3 Msgs? option was set to NO in Host Automation programming. In addition, this issue never occurred for panels communicating through the network. Only one carriage return will now be sent.

Time Update

Previously, the receiver could (on rare occasion) send an incorrect time update message to panels that dial-in requesting a time update. The panel's keypad could display the wrong time and include odd characters. If this occurred, the user could manually correct the time at the keypad. This issue did not occur for panels that used network communication.

System Message 90 Unrecognized Message

The SCS-1062 firmware now generates System Message 90 for display, printing, and transmission to the host automation computer. System Message 90 is defined in the SCS-1R Host Communication Specification as:

WARNING: UNRECOGNIZED MESSAGE	A signal transmitted to the receiver by a panel using a valid communication sequence could not be recognized as a definable message by the receiver.
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When previous versions of SCS-1062 firmware received an unrecognized message, they would send a message to the receiver printer. The message was "UNDEFINED Msg:" followed by the hexadecimal equivalent of the characters that had been received from the panel. This message will continue to be sent to the printer but characters that were received from the panel will be printed in ASCII and bracketed hexadecimal for non-printable characters.

In addition, this update provides enhanced validation of SDLC dialer messages which NAKs improper panel messages causing the panel to resend the message properly and reduces generation of a System Message 90 and UNDEFINED messages to the printer.

Upgrading/Ordering New Firmware

SCS-1R Version 906 firmware PROMs for SCS-1062 Processors may be obtained from buy.dmp.com or by calling DMP Customer Service at 1-800-641-4282 and ordering the SCS1062/UPDATE.

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