



# Installation Manual

PC5400 Sur-Gard DVACS Version 3.0 TAFNZ

**• W A R N I N G •**

Please refer to the System Installation Manual for information on limitations regarding product use and function and information on the limitations as to liability of the manufacturer.





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## Introduction

### Features

Allows compatible alarm control panels to be connected to a DVACS communications network.

### Module Specifications

- 4 wire (QUAD) hook-up to keybus
- Normal current draw of 35 mA
- Tamper and Trouble reporting codes
- Maximum cable length: 61m (200 ft)

### PC5400 connected to a DVACS network

- Automatic programming for DVACS function bytes and reporting codes.
- Programmable response type to all calls
- Monitoring for DVACS line fault
- Module self diagnostics

### Compatible Products

- PC580/585
- PC1555/1565
- PC5008
- PC5010
- PC5015
- PC5020

## Installation

### Mounting the Cabinet

When mounting a new cabinet for the PC5400, select a dry location close to the F1/F2 subset.

To mount the PC5400:

1. Press the four white circuit board stand-offs into the raised mounting holes from the back of the cabinet.
2. Hold the cabinet in position and pull the wires into the cabinet.
3. Mount the cabinet securely to the wall using the mounting screws provided. Use the appropriate wall anchors when securing the panel to the drywall, plaster, concrete, brick or other similar surfaces.
4. With the cabinet mounted press the PC5400 module onto the stand-offs.

### Wiring

Refer to the Hook-up Diagram included in this manual.

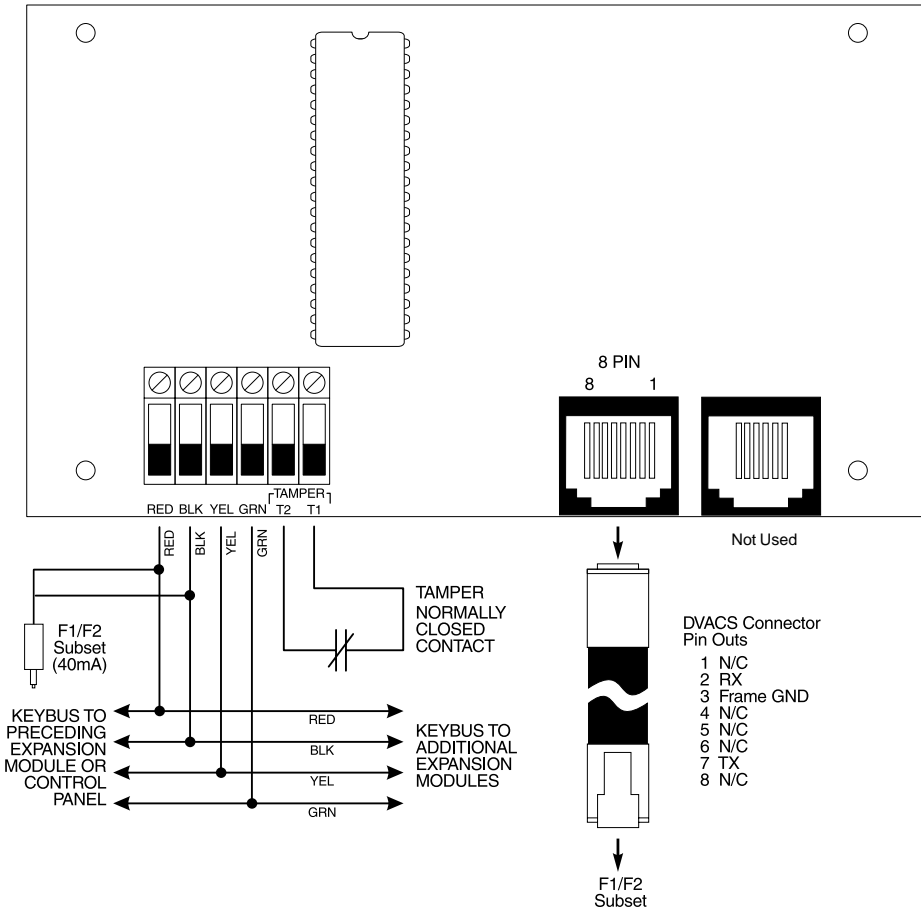
### **RED, BLK, YEL and GRN Terminals**

Connect the RED, BLK, YEL and GRN terminals to the RED, BLK, YEL and GRN terminals on the control panel. Refer to the control panel Installation Manual for complete instructions on Keybus wiring.

### **T1 and T2**

Connect T1 and T2 to a normally closed switch that will be used to monitor tampers. If no tamper switch is desired place a wire between T1 and T2.

# PC5400 Hook-up Diagram



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## Programming Section Descriptions

If you will be connecting the PC5400 to a PC580/585, PC1555/1565, PC5008, PC5010, PC5015 or PC5020 control panel, access the PC5400 programming sections at a system keypad by entering [\*][8][Installer's Code][803]. Then enter the 2-digit number of the section you want to program.

### Sections [10-13] Wireless & Miscellaneous Reporting Codes

Program the DVACS reporting codes in these sections (see DVACS Transmission Table for Transmission Codes):

- To have the PC5400 transmit a pre-programmed code from the internal table, leave the programming at the default value FF. Default reporting codes are listed in the Appendices B and C.
- To prevent the PC5400 from reporting an event, program the code as 00.
- To have the PC5400 transmit a different code, program a value from 01-FE.

### Sections [14-16] PC5200 Reporting Codes

### Sections [17] PC5700 Reporting Codes

### Sections [18] PC5700 Reporting Types

### Sections [20-23] Wireless & Miscellaneous Reporting Types

By programming the Reporting Types sections, you can add additional information to each transmission.

For example, you can program the reporting *code* for zone 1 as 01 and the reporting *type* for zone 1 as 00, to indicate that zone 1 is a fire zone. Refer to the DVACS Reporting Type tables on pages 24-27.

- To have the PC5400 transmit a pre-programmed code from the internal table, leave the programming at the default value FF. Default reporting types are listed in the Appendix A.
- To have the PC5400 transmit a different code, program a value from 00-7F.

**NOTE: Do not program values above 7F.**

### Sections [24-26] PC5200 Reporting Types

### Sections [31-34] Zone Definitions

Make sure that the zone definitions match those programmed in the control panel.

### Section [40] DVACS ID Code

Program the DVACS ID code in this section. This code identifies a PC5400 module on a DVACS subset, specifying which poll from a F2 node the module will respond to. Valid entries are 01 - F0.

### Section [41] All Call Select

Use this section to program which all call response the PC5400 will have. The options are:

- (00) no response on any all call
- (01) response on all call #1 only
- (02) response on all call #2 only
- (03) response on both all calls

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(04) modules with odd-numbered ID codes (see section 40) respond to All Call #1. Modules with even-numbered ID codes respond to All Call #2. (E.g. a module with ID code 03 will respond to All Call #1. A module with ID code 04 will respond to All Call #2.)

### **Section [42] Miscellaneous (Transmission) Options**

**Option 1:** Turn this option ON to have the PC5400 send alarms during an all call. Turn this option OFF to have the PC5400 send alarms and restorals during an all call.

**Option 2:** Turn this option ON to have the PC5400 report which zones have been bypassed. Turn this option OFF for prevent the PC5400 from reporting which zones have been bypassed.

**Option 3:** Turn this option ON to have the PC5400 report openings and closings. Turn this option OFF to prevent the PC5400 from reporting openings and closings.

### **Sections [43-68] Reporting Codes**

Program the DVACS reporting codes in these sections (see DVACS Transmission Table for Transmission Codes):

- To have the PC5400 transmit a pre-programmed code from the internal table, leave the programming at the default value FF. Default reporting codes are listed in the Appendices B and C.
- To prevent the PC5400 from reporting an event, program the code as 00.
- To have the PC5400 transmit a different code, program a value from 01-FE.

### **Sections [69-94] Reporting Types**

By programming the Reporting Types sections, you can add additional information to each transmission. For example, you can program the reporting *code* for zone 1 as 01 and the reporting *type* for zone 1 as 00, to indicate that zone 1 is a fire zone. Refer to the DVACS Reporting Type tables on pages 24-27.

- To have the PC5400 transmit a pre-programmed code from the internal table, leave the programming at the default value FF. Default reporting types are listed in the Appendix A.
- To have the PC5400 transmit a different code, program a value from 00-7F.

**NOTE: Do not program values above 7F.**

**NOTE: If you change any of the above options from the default settings, test the PC5400 to make sure it is operating as desired.**



# Programming Worksheets

## PC580/585, PC1555/1565, PC5008, PC5010, PC5015 or PC5020 Programming Sections

If you will be connecting the PC5400 to a PC580/585, PC1555/1565, PC5008, PC5010, PC5015 or PC5020 control panel, access the PC5400 programming sections at a system keypad by entering [\*][8][Installer's Code][803]. Then enter the 2-digit number of the section you want to program.

### [10] Handheld Keypad Low Battery Reporting Codes

Default		Default			
FF		Handheld Keypad #1	FF		For Future Use
FF		Handheld Keypad #2	FF		For Future Use
FF		Handheld Keypad #3	FF		For Future Use
FF		Handheld Keypad #4	FF		For Future Use

### [11] Wireless Key 1-8 Low Battery Reporting Codes

Default		Default			
FF		Wireless Key #1	FF		Wireless Key #5
FF		Wireless Key #2	FF		Wireless Key #6
FF		Wireless Key #3	FF		Wireless Key #7
FF		Wireless Key #4	FF		Wireless Key #8

### [12] Wireless Key 9-16 Low Battery Reporting Codes

Default		Default			
FF		Wireless Key #9	FF		Wireless Key #13
FF		Wireless Key #10	FF		Wireless Key #14
FF		Wireless Key #11	FF		Wireless Key #15
FF		Wireless Key #12	FF		Wireless Key #16

### [13] Miscellaneous Option Reporting Codes

Default		Default			
FF		Police Code	FF		PC5400 On/Off Line
FF		Delinquency Code	FF		For Future Use
FF		Late to Close	FF		For Future Use
FF		Event Buffer 75% Full	FF		For Future Use

### [14] PC5200 1-4 Supervisory and Tamper Reporting Codes

Default		Default			
FF		PC5200 1 Supervisory	FF		PC5200 1 Tamper
FF		PC5200 2 Supervisory	FF		PC5200 2 Tamper
FF		PC5200 3 Supervisory	FF		PC5200 3 Tamper
FF		PC5200 4 Supervisory	FF		PC5200 4 Tamper

### [15] PC5200 1-4 AC and Battery Trouble Reporting Codes

Default		Default			
FF		PC5200 1 AC Trouble	FF		PC5200 1 Low Battery
FF		PC5200 2 AC Trouble	FF		PC5200 2 Low Battery
FF		PC5200 3 AC Trouble	FF		PC5200 3 Low Battery
FF		PC5200 4 AC Trouble	FF		PC5200 4 Low Battery

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**[16] PC5200 Circuit Trouble Reporting Codes**

**Default**

FF   PC5200 1 Circuit Trouble  
FF   PC5200 2 Circuit Trouble  
FF   PC5200 3 Circuit Trouble  
FF   PC5200 4 Circuit Trouble

**Default**

FF   For Future Use  
FF   For Future Use  
FF   For Future Use  
FF   For Future Use

**[17] PC5700 Reporting Codes**

**Default**

FF   PC5700 Gnd Fault  
FF   PC5700 Gnd Fault Rest.  
FF   PC5700 TLM Trb. Line1  
FF   PC5700 TLM Rest. Line1

**Default**

FF   PC5700 TLM Trb. Line 2  
FF   PC5700 TLM Rest. Line 2  
FF   For Future Use  
FF   For Future Use

**[18] PC5700 Reporting Types**

**Default**

FF   PC5700 Gnd Fault  
FF   PC5700 Gnd Fault Rest.  
FF   PC5700 TLM Trb. Line1  
FF   PC5700 TLM Rest. Line1

**Default**

FF   PC5700 TLM Trb. Line 2  
FF   PC5700 TLM Rest. Line 2  
FF   For Future Use  
FF   For Future Use

**[20] Handheld Keypad Low Battery Reporting Types**

**Default**

FF   Handheld Keypad #1  
FF   Handheld Keypad #2  
FF   Handheld Keypad #3  
FF   Handheld Keypad #4

**Default**

FF   For Future Use  
FF   For Future Use  
FF   For Future Use  
FF   For Future Use

**[21] Wireless Key 1-8 Low Battery Reporting Types**

**Default**

FF   Wireless Key #1  
FF   Wireless Key #2  
FF   Wireless Key #3  
FF   Wireless Key #4

**Default**

FF   Wireless Key #5  
FF   Wireless Key #6  
FF   Wireless Key #7  
FF   Wireless Key #8

**[22] Wireless Key 9-16 Low Battery Reporting Types**

**Default**

FF   Wireless Key #9  
FF   Wireless Key #10  
FF   Wireless Key #11  
FF   Wireless Key #12

**Default**

FF   Wireless Key #13  
FF   Wireless Key #14  
FF   Wireless Key #15  
FF   Wireless Key #16

**[23] Miscellaneous Option Reporting Types**

**Default**

FF    Police Code  
FF    Delinquency Code  
FF    Late to Close  
FF    Event Buffer 75% Full

**Default**

FF    For Future Use  
FF    For Future Use  
FF    For Future Use  
FF    For Future Use

**[24] PC5200 1-4 Supervisory and Tamper Reporting Types**

**Default**

FF    PC5200 1 Supervisory  
FF    PC5200 2 Supervisory  
FF    PC5200 3 Supervisory  
FF    PC5200 4 Supervisory

**Default**

FF    PC5200 1 Tamper  
FF    PC5200 2 Tamper  
FF    PC5200 3 Tamper  
FF    PC5200 4 Tamper

**[25] PC5200 1-4 AC and Battery Trouble Reporting Types**

**Default**

FF    PC5200 1 AC Trouble  
FF    PC5200 2 AC Trouble  
FF    PC5200 3 AC Trouble  
FF    PC5200 4 AC Trouble

**Default**

FF    PC5200 1 Low Battery  
FF    PC5200 2 Low Battery  
FF    PC5200 3 Low Battery  
FF    PC5200 4 Low Battery

**[26] PC5200 Circuit Trouble Reporting Types**

**Default**

FF    PC5200 1 Circuit Trouble  
FF    PC5200 2 Circuit Trouble  
FF    PC5200 3 Circuit Trouble  
FF    PC5200 4 Circuit Trouble

**Default**

FF    For Future Use  
FF    For Future Use  
FF    For Future Use  
FF    For Future Use

**ZONE DEFINITIONS**

- 00 Null Zone (Not Used)
- 01 Delay 1
- 02 Delay 2
- 03 Instant
- 04 Interior
- 05 Interior, Home-Away
- 06 Delay, Home-Away
- 07 Delayed 24-Hour Fire (Hardwired)
- 08 Standard 24-Hour Fire (Hardwired)
- 09 24-Hour Supervisory (LINKS)
- 10 24-Hour Supervisory Buzzer

- 11 24-Hour Burglary
- 12 24-Hour Holdup
- 13 24-Hour Gas
- 14 24-Hour Heat
- 15 24-Hour Medical
- 16 24-Hour Panic
- 17 24-Hour Emergency
- 18 24-Hour Sprinkler
- 19 24-Hour Water
- 20 24-Hour Freeze
- 21 24-Hour Latching Tamper

- 22 Momentary Keyswitch Arm
- 23 Maintained Keyswitch Arm
- 24 LINKS Answer
- 25\*Interior Delay
- 26\*\*24-Hour Non-Alarm
- 27\*\*\* Delayed 24-Hour Waterflow
- 28\*\*\* Instant 24-Hour Waterflow
- 29\*\*\* Auto Verified Fire
- 30\*\*\* Fire Supervisory
- 31\*\*\* Day Zone
- 87 Delayed 24-Hour Fire (Wireless)
- 88 Standard 24-Hour Fire (Wireless)

\*25 for v2.1 and higher control panels only  
\*\*26 for v2.2 and higher control panels only  
\*\*\*27-31 for PC5020 v3.1 and higher versions only

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**[31] Zone 1-16 Definitions**

**Default**

01    Zone 1  
03    Zone 2  
03    Zone 3  
03    Zone 4  
04    Zone 5  
04    Zone 6  
04    Zone 7  
04    Zone 8

**Default**

00    Zone 9  
00    Zone 10  
00    Zone 11  
00    Zone 12  
00    Zone 13  
00    Zone 14  
00    Zone 15  
00    Zone 16

**[32] Zone 17-32 Definitions**

**Default**

00    Zone 17  
00    Zone 18  
00    Zone 19  
00    Zone 20  
00    Zone 21  
00    Zone 22  
00    Zone 23  
00    Zone 24

**Default**

00    Zone 25  
00    Zone 26  
00    Zone 27  
00    Zone 28  
00    Zone 29  
00    Zone 30  
00    Zone 31  
00    Zone 32

**[33] Zone 33-48 Definitions**

**Default**

00    Zone 33  
00    Zone 34  
00    Zone 35  
00    Zone 36  
00    Zone 37  
00    Zone 38  
00    Zone 39  
00    Zone 40

**Default**

00    Zone 41  
00    Zone 42  
00    Zone 43  
00    Zone 44  
00    Zone 45  
00    Zone 46  
00    Zone 47  
00    Zone 48

**[34] Zone 49-64 Definitions**

**Default**

00    Zone 49  
00    Zone 50  
00    Zone 51  
00    Zone 52  
00    Zone 53  
00    Zone 54  
00    Zone 55  
00    Zone 56

**Default**

00    Zone 57  
00    Zone 58  
00    Zone 59  
00    Zone 60  
00    Zone 61  
00    Zone 62  
00    Zone 63  
00    Zone 64

**[40] ID Code**  
**Default**  
 00

**[41] All Call Select**  
**Default**  
 01

**00** No response on All Call  
**01** Response on All Call #1 only  
**02** Response on All Call #2 only  
**03** Response on both All Calls  
**04** Modules with odd-numbered ID codes (see section 40) respond to All Call #1. Modules with even-numbered ID codes respond to All Call #2. (E.g. a module with ID code 03 will respond to All Call #1. A module with ID code 04 will respond to All Call #2.)

**[42] Miscellaneous Options**

<b>Default</b>	<b>Option ON</b>	<b>Option OFF</b>
ON <input type="checkbox"/> <b>Option 1</b>	All Call Sends Alarms Only	All Call Sends Alarms & Restorals
ON <input type="checkbox"/> <b>Option 2</b>	Zone Bypass Report Enabled	Zone Bypass Report Disabled
ON <input type="checkbox"/> <b>Option 3</b>	Openings/Closings Enabled	Openings/Closings Disabled
OFF <input type="checkbox"/> <b>Option 4 -8</b>	<b>For future use</b>	

**[43] First SG-DVACS Reporting Codes**

<b>Default</b>	<b>Default</b>
FF <input type="text"/> <input type="text"/> Duress Alarm	FF <input type="text"/> <input type="text"/> Aux. Input Alarm / Restore
FF <input type="text"/> <input type="text"/> Keypad [F] Key Alarm / Restore	FF <input type="text"/> <input type="text"/> PC5132 Tamper / Restore
FF <input type="text"/> <input type="text"/> Keypad [A] Key Alarm / Restore	FF <input type="text"/> <input type="text"/> PC5208 Tamper / Restore
FF <input type="text"/> <input type="text"/> Keypad [P] Key Alarm / Restore	FF <input type="text"/> <input type="text"/> PC5204 Tamper / Restore

**[44] Second SG-DVACS Reporting Codes**

<b>Default</b>	<b>Default</b>
FF <input type="text"/> <input type="text"/> PC5400 Tamper / Restore	FF <input type="text"/> <input type="text"/> Bell Circuit Trouble / Restore
FF <input type="text"/> <input type="text"/> LINKS Module Tamper / Restore	FF <input type="text"/> <input type="text"/> Fire Trouble Alarm / Restore
FF <input type="text"/> <input type="text"/> Battery Trouble / Restore	FF <input type="text"/> <input type="text"/> Aux Power Trouble / Restore
FF <input type="text"/> <input type="text"/> AC Trouble / Restore	FF <input type="text"/> <input type="text"/> TLM (LINKS) Trouble / Restore

**[45] Third SG-DVACS Reporting Codes**

<b>Default</b>	<b>Default</b>
FF <input type="text"/> <input type="text"/> Phone Number 1 Trouble / Restore	FF <input type="text"/> <input type="text"/> Critical Shutdown
FF <input type="text"/> <input type="text"/> Phone Number 2 Trouble / Restore	FF <input type="text"/> <input type="text"/> PC5204 AC Trbl / Rest
FF <input type="text"/> <input type="text"/> DLS Lead Out Failed	FF <input type="text"/> <input type="text"/> PC5204 Battery Trbl / Rest
FF <input type="text"/> <input type="text"/> Keybus Fault / Restore	FF <input type="text"/> <input type="text"/> PC5204 Aux Power Trbl / Rest

---

**[46] Fourth SG-DVACS Reporting Codes****Default**

FF     PC5204 Output Fault/Restore  
FF     Downlook Module Supv./Restore  
FF     PC5132 Supervisory Fault/Restore  
FF     PC5208 Supervisory Fault/Restore

**Default**

FF     PC5204 Supv. Fault / Rest  
FF     PC5400 Supv. Fault / Rest  
FF     Alt. Comm(LINKS) Supv Flt/Rest  
FF     PC59XX Supv. Fault / Rest

**[47] Fifth SG-DVACS Reporting Codes****Default**

FF     ESCORT 5580 Supv Fault / Restore  
FF     Keypad Lockout  
FF     Remote ESCORT Access  
FF     DLS Lead In / Lead Out

**Default**

FF     System Test  
FF     Installer Lead In / Lead Out  
FF     Cold Start  
FF     Warm Start

**[48] Sixth SG-DVACS Reporting Codes****Default**

FF     Swinger Shutdown  
FF     S-A Mode / Activate S-A Zones  
FF     Opening After Alarm  
FF     Recent Closing  
Trigger

**Default**

FF     Auto Arm Cancellation  
FF     Partial Closing  
FF     Bell Supervisory (PC5720)  
FF     Dwnlook Module Remote

**[49] Zone 1-16 Alarm / Restore / Bypass Reporting Codes****Default**

FF     Zone 1  
FF     Zone 2  
FF     Zone 3  
FF     Zone 4  
FF     Zone 5  
FF     Zone 6  
FF     Zone 7  
FF     Zone 8

**Default**

FF     Zone 9  
FF     Zone 10  
FF     Zone 11  
FF     Zone 12  
FF     Zone 13  
FF     Zone 14  
FF     Zone 15  
FF     Zone 16

**[50] Zone 17-32 Alarm / Restore / Bypass Reporting Codes****Default**

FF     Zone 17  
FF     Zone 18  
FF     Zone 19  
FF     Zone 20  
FF     Zone 21  
FF     Zone 22  
FF     Zone 23  
FF     Zone 24

**Default**

FF     Zone 25  
FF     Zone 26  
FF     Zone 27  
FF     Zone 28  
FF     Zone 29  
FF     Zone 30  
FF     Zone 31  
FF     Zone 32

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**[51] Zone 33-48 Alarm / Restore / Bypass Reporting Codes**

**Default**

FF    Zone 33  
FF    Zone 34  
FF    Zone 35  
FF    Zone 36  
FF    Zone 37  
FF    Zone 38  
FF    Zone 39  
FF    Zone 40

**Default**

FF    Zone 41  
FF    Zone 42  
FF    Zone 43  
FF    Zone 44  
FF    Zone 45  
FF    Zone 46  
FF    Zone 47  
FF    Zone 48

**[52] Zone 49-64 Alarm / Restore / Bypass Reporting Codes**

**Default**

FF    Zone 49  
FF    Zone 50  
FF    Zone 51  
FF    Zone 52  
FF    Zone 53  
FF    Zone 54  
FF    Zone 55  
FF    Zone 56

**Default**

FF    Zone 57  
FF    Zone 58  
FF    Zone 59  
FF    Zone 60  
FF    Zone 61  
FF    Zone 62  
FF    Zone 63  
FF    Zone 64

**[53] Zone 1-16 Tamper / Restore Reporting Codes**

**Default**

FF    Zone 1  
FF    Zone 2  
FF    Zone 3  
FF    Zone 4  
FF    Zone 5  
FF    Zone 6  
FF    Zone 7  
FF    Zone 8

**Default**

FF    Zone 9  
FF    Zone 10  
FF    Zone 11  
FF    Zone 12  
FF    Zone 13  
FF    Zone 14  
FF    Zone 15  
FF    Zone 16

**[54] Zone 17-32 Tamper / Restore Reporting Codes**

**Default**

FF    Zone 17  
FF    Zone 18  
FF    Zone 19  
FF    Zone 20  
FF    Zone 21  
FF    Zone 22  
FF    Zone 23  
FF    Zone 24

**Default**

FF    Zone 25  
FF    Zone 26  
FF    Zone 27  
FF    Zone 28  
FF    Zone 29  
FF    Zone 30  
FF    Zone 31  
FF    Zone 32

---

**[55] Zone 33-48 Tamper / Restore Reporting Codes**

**Default**

FF    Zone 33  
FF    Zone 34  
FF    Zone 35  
FF    Zone 36  
FF    Zone 37  
FF    Zone 38  
FF    Zone 39  
FF    Zone 40

**Default**

FF    Zone 41  
FF    Zone 42  
FF    Zone 43  
FF    Zone 44  
FF    Zone 45  
FF    Zone 46  
FF    Zone 47  
FF    Zone 48

**[56] Zone 49-64 Tamper / Restore Reporting Codes**

**Default**

FF    Zone 49  
FF    Zone 50  
FF    Zone 51  
FF    Zone 52  
FF    Zone 53  
FF    Zone 54  
FF    Zone 55  
FF    Zone 56

**Default**

FF    Zone 57  
FF    Zone 58  
FF    Zone 59  
FF    Zone 60  
FF    Zone 61  
FF    Zone 62  
FF    Zone 63  
FF    Zone 64

**[57] Zone 1-16 Trouble / Restore Reporting Codes**

**Default**

FF    Zone 1  
FF    Zone 2  
FF    Zone 3  
FF    Zone 4  
FF    Zone 5  
FF    Zone 6  
FF    Zone 7  
FF    Zone 8

**Default**

FF    Zone 9  
FF    Zone 10  
FF    Zone 11  
FF    Zone 12  
FF    Zone 13  
FF    Zone 14  
FF    Zone 15  
FF    Zone 16

**[58] Zone 17-32 Trouble / Restore Reporting Codes**

**Default**

FF    Zone 17  
FF    Zone 18  
FF    Zone 19  
FF    Zone 20  
FF    Zone 21  
FF    Zone 22  
FF    Zone 23  
FF    Zone 24

**Default**

FF    Zone 25  
FF    Zone 26  
FF    Zone 27  
FF    Zone 28  
FF    Zone 29  
FF    Zone 30  
FF    Zone 31  
FF    Zone 32



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**[59] Zone 33-48 Trouble / Restore Reporting Codes**

**Default**

FF    Zone 33  
FF    Zone 34  
FF    Zone 35  
FF    Zone 36  
FF    Zone 37  
FF    Zone 38  
FF    Zone 39  
FF    Zone 40

**Default**

FF    Zone 41  
FF    Zone 42  
FF    Zone 43  
FF    Zone 44  
FF    Zone 45  
FF    Zone 46  
FF    Zone 47  
FF    Zone 48

**[60] Zone 49-64 Trouble / Restore Reporting Codes**

**Default**

FF    Zone 49  
FF    Zone 50  
FF    Zone 51  
FF    Zone 52  
FF    Zone 53  
FF    Zone 54  
FF    Zone 55  
FF    Zone 56

**Default**

FF    Zone 57  
FF    Zone 58  
FF    Zone 59  
FF    Zone 60  
FF    Zone 61  
FF    Zone 62  
FF    Zone 63  
FF    Zone 64

**[61] Zone 1-16 Low Battery / Restore Reporting Codes**

**Default**

FF    Zone 1  
FF    Zone 2  
FF    Zone 3  
FF    Zone 4  
FF    Zone 5  
FF    Zone 6  
FF    Zone 7  
FF    Zone 8

**Default**

FF    Zone 9  
FF    Zone 10  
FF    Zone 11  
FF    Zone 12  
FF    Zone 13  
FF    Zone 14  
FF    Zone 15  
FF    Zone 16

**[62] Zone 17-32 Low Battery / Restore Reporting Codes**

**Default**

FF    Zone 17  
FF    Zone 18  
FF    Zone 19  
FF    Zone 20  
FF    Zone 21  
FF    Zone 22  
FF    Zone 23  
FF    Zone 24

**Default**

FF    Zone 25  
FF    Zone 26  
FF    Zone 27  
FF    Zone 28  
FF    Zone 29  
FF    Zone 30  
FF    Zone 31  
FF    Zone 32

---

**[63] Zone 33-48 Low Battery / Restore Reporting Codes**

**Default**

FF     Zone 33  
FF     Zone 34  
FF     Zone 35  
FF     Zone 36  
FF     Zone 37  
FF     Zone 38  
FF     Zone 39  
FF     Zone 40

**Default**

FF     Zone 41  
FF     Zone 42  
FF     Zone 43  
FF     Zone 44  
FF     Zone 45  
FF     Zone 46  
FF     Zone 47  
FF     Zone 48

**[64] Zone 49-64 Low Battery / Restore Reporting Codes**

**Default**

FF     Zone 49  
FF     Zone 50  
FF     Zone 51  
FF     Zone 52  
FF     Zone 53  
FF     Zone 54  
FF     Zone 55  
FF     Zone 56

**Default**

FF     Zone 57  
FF     Zone 58  
FF     Zone 59  
FF     Zone 60  
FF     Zone 61  
FF     Zone 62  
FF     Zone 63  
FF     Zone 64

**[65] Keypad Tamper / Restore Reporting Codes**

**Default**

FF     Keypad 1  
FF     Keypad 2  
FF     Keypad 3  
FF     Keypad 4

**Default**

FF     Keypad 5  
FF     Keypad 6  
FF     Keypad 7  
FF     Keypad 8

**[66] Zone Expander Tamper / Restore Reporting Codes**

**Default**

FF     Zone Expander 1  
FF     Zone Expander 2  
FF     Zone Expander 3  
FF     Zone Expander 4

**Default**

FF     Zone Expander 5  
FF     Zone Expander 6  
FF     Zone Expander 7  
FF     PC5100

**[67] Keypad Supervisory / Restore Reporting Codes**

**Default**

FF     Keypad 1  
FF     Keypad 2  
FF     Keypad 3  
FF     Keypad 4

**Default**

FF     Keypad 5  
FF     Keypad 6  
FF     Keypad 7  
FF     Keypad 8

---

**[68] Zone Expander Supervisory / Restore Reporting Codes**

**Default**

FF    Zone Expander 1  
FF    Zone Expander 2  
FF    Zone Expander 3  
FF    Zone Expander 4

**Default**

FF    Zone Expander 5  
FF    Zone Expander 6  
FF    Zone Expander 7  
FF    PC5100

**Reporting Types - Refer to the Reporting Type Table**

**[69] Zone 1-16 Alarm / Restore / Bypass Reporting Types**

**Default**

FF    Zone 1  
FF    Zone 2  
FF    Zone 3  
FF    Zone 4  
FF    Zone 5  
FF    Zone 6  
FF    Zone 7  
FF    Zone 8

**Default**

FF    Zone 9  
FF    Zone 10  
FF    Zone 11  
FF    Zone 12  
FF    Zone 13  
FF    Zone 14  
FF    Zone 15  
FF    Zone 16

**[70] Zone 17-32 Alarm / Restore / Bypass Reporting Types**

**Default**

FF    Zone 17  
FF    Zone 18  
FF    Zone 19  
FF    Zone 20  
FF    Zone 21  
FF    Zone 22  
FF    Zone 23  
FF    Zone 24

**Default**

FF    Zone 25  
FF    Zone 26  
FF    Zone 27  
FF    Zone 28  
FF    Zone 29  
FF    Zone 30  
FF    Zone 31  
FF    Zone 32

**[71] Zone 33-48 Alarm / Restore / Bypass Reporting Types**

**Default**

FF    Zone 33  
FF    Zone 34  
FF    Zone 35  
FF    Zone 36  
FF    Zone 37  
FF    Zone 38  
FF    Zone 39  
FF    Zone 40

**Default**

FF    Zone 41  
FF    Zone 42  
FF    Zone 43  
FF    Zone 44  
FF    Zone 45  
FF    Zone 46  
FF    Zone 47  
FF    Zone 48

---

**[72] Zone 49-64 Alarm / Restore / Bypass Reporting Types**

**Default**

FF    Zone 49  
FF    Zone 50  
FF    Zone 51  
FF    Zone 52  
FF    Zone 53  
FF    Zone 54  
FF    Zone 55  
FF    Zone 56

**Default**

FF    Zone 57  
FF    Zone 58  
FF    Zone 59  
FF    Zone 60  
FF    Zone 61  
FF    Zone 62  
FF    Zone 63  
FF    Zone 64

**[73] Zone 1-16 Tamper / Restore Reporting Types**

**Default**

FF    Zone 1  
FF    Zone 2  
FF    Zone 3  
FF    Zone 4  
FF    Zone 5  
FF    Zone 6  
FF    Zone 7  
FF    Zone 8

**Default**

FF    Zone 9  
FF    Zone 10  
FF    Zone 11  
FF    Zone 12  
FF    Zone 13  
FF    Zone 14  
FF    Zone 15  
FF    Zone 16

**[74] Zone 17-32 Tamper / Restore Reporting Types**

**Default**

FF    Zone 17  
FF    Zone 18  
FF    Zone 19  
FF    Zone 20  
FF    Zone 21  
FF    Zone 22  
FF    Zone 23  
FF    Zone 24

**Default**

FF    Zone 25  
FF    Zone 26  
FF    Zone 27  
FF    Zone 28  
FF    Zone 29  
FF    Zone 30  
FF    Zone 31  
FF    Zone 32

**[75] Zone 33-48 Tamper / Restore Reporting Types**

**Default**

FF    Zone 33  
FF    Zone 34  
FF    Zone 35  
FF    Zone 36  
FF    Zone 37  
FF    Zone 38  
FF    Zone 39  
FF    Zone 40

**Default**

FF    Zone 41  
FF    Zone 42  
FF    Zone 43  
FF    Zone 44  
FF    Zone 45  
FF    Zone 46  
FF    Zone 47  
FF    Zone 48

---

**[76] Zone 49-64 Tamper / Restore Reporting Types**

**Default**

FF  Zone 49  
FF  Zone 50  
FF  Zone 51  
FF  Zone 52  
FF  Zone 53  
FF  Zone 54  
FF  Zone 55  
FF  Zone 56

**Default**

FF  Zone 57  
FF  Zone 58  
FF  Zone 59  
FF  Zone 60  
FF  Zone 61  
FF  Zone 62  
FF  Zone 63  
FF  Zone 64

**[77] Zone 1-16 Trouble / Restore Reporting Types**

**Default**

FF  Zone 1  
FF  Zone 2  
FF  Zone 3  
FF  Zone 4  
FF  Zone 5  
FF  Zone 6  
FF  Zone 7  
FF  Zone 8

**Default**

FF  Zone 9  
FF  Zone 10  
FF  Zone 11  
FF  Zone 12  
FF  Zone 13  
FF  Zone 14  
FF  Zone 15  
FF  Zone 16

**[78] Zone 17-32 Trouble / Restore Reporting Types**

**Default**

FFF  Zone 17  
FF  Zone 18  
FF  Zone 19  
FF  Zone 20  
FF  Zone 21  
FF  Zone 22  
FF  Zone 23  
FF  Zone 24

**Default**

FF  Zone 25  
FF  Zone 26  
FF  Zone 27  
FF  Zone 28  
FF  Zone 29  
FF  Zone 30  
FF  Zone 31  
FF  Zone 32

**[79] Zone 33-48 Trouble / Restore Reporting Types**

**Default**

FF  Zone 33  
FF  Zone 34  
FF  Zone 35  
FF  Zone 36  
FF  Zone 37  
FF  Zone 38  
FF  Zone 39  
FF  Zone 40

**Default**

FF  Zone 41  
FF  Zone 42  
FF  Zone 43  
FF  Zone 44  
FF  Zone 45  
FF  Zone 46  
FF  Zone 47  
FF  Zone 48

---

**[80] Zone 49-64 Trouble / Restore Reporting Types**

**Default**

FF    Zone 49  
FF    Zone 50  
FF    Zone 51  
FF    Zone 52  
FF    Zone 53  
FF    Zone 54  
FF    Zone 55  
FF    Zone 56

**Default**

FF    Zone 57  
FF    Zone 58  
FF    Zone 59  
FF    Zone 60  
FF    Zone 61  
FF    Zone 62  
FF    Zone 63  
FF    Zone 64

**[81] Zone 1-8 Low Battery / Restore Reporting Types**

**Default**

FF    Zone 1  
FF    Zone 2  
FF    Zone 3  
FF    Zone 4  
FF    Zone 5  
FF    Zone 6  
FF    Zone 7  
FF    Zone 8

**Default**

FF    Zone 9  
FF    Zone 10  
FF    Zone 11  
FF    Zone 12  
FF    Zone 13  
FF    Zone 14  
FF    Zone 15  
FF    Zone 16

**[82] Zone 9-16 Low Battery / Restore Reporting Types**

**Default**

FF    Zone 17  
FF    Zone 18  
FF    Zone 19  
FF    Zone 20  
FF    Zone 21  
FF    Zone 22  
FF    Zone 23  
FF    Zone 24

**Default**

FF    Zone 25  
FF    Zone 26  
FF    Zone 27  
FF    Zone 28  
FF    Zone 29  
FF    Zone 30  
FF    Zone 31  
FF    Zone 32

**[83] Zone 17-24 Low Battery / Restore Reporting Types**

**Default**

FF    Zone 33  
FF    Zone 34  
FF    Zone 35  
FF    Zone 36  
FF    Zone 37  
FF    Zone 38  
FF    Zone 39  
FF    Zone 40

**Default**

FF    Zone 41  
FF    Zone 42  
FF    Zone 43  
FF    Zone 44  
FF    Zone 45  
FF    Zone 46  
FF    Zone 47  
FF    Zone 48

---

**[84] Zone 25-32 Low Battery / Restore Reporting Types**

**Default**

FF  Zone 49  
FF  Zone 50  
FF  Zone 51  
FF  Zone 52  
FF  Zone 53  
FF  Zone 54  
FF  Zone 55  
FF  Zone 56

**Default**

FF  Zone 57  
FF  Zone 58  
FF  Zone 59  
FF  Zone 60  
FF  Zone 61  
FF  Zone 62  
FF  Zone 63  
FF  Zone 64

**[85] Keypad Tamper / Restore Reporting Types**

**Default**

FF  Keypad 1  
FF  Keypad 2  
FF  Keypad 3  
FF  Keypad 4

**Default**

FF  Keypad 5  
FF  Keypad 6  
FF  Keypad 7  
FF  Keypad 8

**[86] Zone Expander Tamper / Restore Reporting Types**

**Default**

FF  Zone Expander 1  
FF  Zone Expander 2  
FF  Zone Expander 3  
FF  Zone Expander 4

**Default**

FF  Zone Expander 5  
FF  Zone Expander 6  
FF  Zone Expander 7  
FF  PC5100

**[87] Keypad Supervisory / Restore Reporting Types**

**Default**

FF  Keypad 1  
FF  Keypad 2  
FF  Keypad 3  
FF  Keypad 4

**Default**

FF  Keypad 5  
FF  Keypad 6  
FF  Keypad 7  
FF  Keypad 8

**[88] Zone Expander Supervisory / Restore Reporting Types**

**Default**

FF  Zone Expander 1  
FF  Zone Expander 2  
FF  Zone Expander 3  
FF  Zone Expander 4

**Default**

FF  Zone Expander 5  
FF  Zone Expander 6  
FF  Zone Expander 7  
FF  PC5100

**[89] First DVACS Reporting Types**

**Default**

FF  PC5204 Output Fault / Restore  
FF  Dwnlk Module Supervisory Fault  
FF  PC5132 Supervisory Fault / Restore  
FF  PC5208 Supervisory Fault / Restore

**Default**

FF  PC5204 Supv. Fault / Rest  
FF  PC5400 Supv. Fault / Rest  
FF  LINKS Mod. Supv. Fault / Rest  
FF  PC59XX Supv. Fault / Rest

---

**[93] Fifth DVACS Reporting Types**

**Default**

FF  ESCORT 5580 Supv Fault / Restore  
FF  Keypad Lockout  
FF  Remote ESCORT Access  
FF  DLS Lead In / Lead Out

**Default**

FF  System Test  
FF  Installer Lead In / Lead Out  
FF  Cold Start  
FF  Warm Start

**[94] Sixth DVACS Reporting Types**

**Default**

FF  Swinger Shutdown  
FF  H-A Mode / Activate H-A Zones  
FF  Opening After Alarm  
FF  Recent Closing

**Default**

FF  Auto Arm Cancellation  
FF  Partial Closing  
FF  Bell Supervisory (PC5720)  
FF  Dwnlk Module Remote Trigger



## Appendix A: DVACS Reporting Type Tables

### Alarm Reporting Types:

Rep.Type	Printer MSG	Computer MSG
00	Fire	Alm/Rst/Byp/Unb Zn000-999 FA/FH/FB/FU 000-999
01	Sprnklr	Alm/Rst/Byp/Unb Zn000-999 SA/SH/SB/SU 000-999
02	Panic	Alm/Rst/Byp/Unb Zn000-999 PA/PH/PB/PU 000-999
03	Hold up	Alm/Rst/Byp/Unb Zn000-999 HA/HH/HB/HU 000-999
04	Medical	Alm/Rst/Byp/Unb Zn000-999 MA/MH/MB/MU 000-999
05	Emergen	Alm/Rst/Byp/Unb Zn000-999 QA/QH/QB/QU 000-999
06	Burglar	Alm/Rst/Byp/Unb Zn000-999 BA/BH/BB/BU 000-999
07	DelayHA	Alm/Rst/Byp/Unb Zn000-999 BA/BH/BB/BU 000-999
08	Delay	Alm/Rst/Byp/Unb Zn000-999 BA/BH/BB/BU 000-999
09	Instant	Alm/Rst/Byp/Unb Zn000-999 BA/BH/BB/BU 000-999
0A	Interio	Alm/Rst/Byp/Unb Zn000-999 BA/BH/BB/BU 000-999
0B	InterHA	Alm/Rst/Byp/Unb Zn000-999 BA/BH/BB/BU 000-999
0C	Motion	Alm/Rst/Byp/Unb Zn000-999 BA/BH/BB/BU 000-999
0D	Water	Alm/Rst/Byp/Unb Zn000-999 WA/WH/WB/WU 000-999
0E	Freeze	Alm/Rst/Byp/Unb Zn000-999 ZA/ZH/ZB/ZU 000-999
0F	Gas	Alm/Rst/Byp/Unb Zn000-999 GA/GH/GB/GU 000-999
10	Heat	Alm/Rst/Byp/Unb Zn000-999 KA/KH/KB/KU 000-999
11	24 hrs	Alm/Rst/Byp/Unb Zn000-999 UA/UH/UB/UU 000-999
12	System	Alm/Rst/Byp/Unb Zn000-999 UA/UH/UB/UU 000-999
13	Auxil.	Alm/Rst/Byp/Unb Zn000-999 UA/UH/UB/UU 000-999
14	Untyped	Alm/Rst/Byp/Unb Zn000-999 UA/UH/UB/UU 000-999
15		Alm/Rst/Byp/Unb Zn000-999 UA/UH/UB/UU 000-999
16	24hrLat	Alm/Rst/Byp/Unb Zn000-999 TA/TR/TB/TU 000-999
17	Tamper	Alm/Rst/Byp/Unb Zn000-999 TA/TR/TB/TU 000-999
18	Supervi	Alm/Rst/Byp/Unb Zn000-999 UA/UH/UB/UU 000-999
19		Alm/Rst/Byp/Unb Zn000-999 UA/UH/UB/UU 000-999
1A		Alm/Rst/Byp/Unb Zn000-999 UA/UH/UB/UU 000-999
1B		Alm/Rst/Byp/Unb Zn000-999 UA/UH/UB/UU 000-999
1C		Alm/Rst/Byp/Unb Zn000-999 UA/UH/UB/UU 000-999
1D	Test	Alm/Rst/Byp/Unb Zn000-999 UX/UR/UB/UU 000-999
1E	Unsecur	Alm/Rst/Byp/Unb Zn000-999 YY/UR/UB/UU 000-999
1F	Cancel	Alm/Rst/Byp/Unb Zn000-999 OC/OC/UB/UU 000-999

---

## Troubles Reporting Types:

Rep.Type	Printer MSG	Computer MSG
20	Fire	Trb/T_R/Byp/Unb Zn000-999 FT/FJ/FB/FU 000-999
21	Sprinkl	Trb/T_R/Byp/Unb Zn000-999 ST/SJ/SB/SU 000-999
22	Panic	Trb/T_R/Byp/Unb Zn000-999 PT/PJ/PB/PU 000-999
23	Hold up	Trb/T_R/Byp/Unb Zn000-999 HT/HJ/HB/HU 000-999
24	Medical	Trb/T_R/Byp/Unb Zn000-999 MT/MJ/MB/MU 000-999
25	Emergen	Trb/T_R/Byp/Unb Zn000-999 QT/QJ/QB/QU 000-999
26	Burglar	Trb/T_R/Byp/Unb Zn000-999 BT/BJ/BB/BU 000-999
27	DelayHA	Trb/T_R/Byp/Unb Zn000-999 BT/BJ/BB/BU 000-999
28	Delay	Trb/T_R/Byp/Unb Zn000-999 BT/BJ/BB/BU 000-999
29	Instant	Trb/T_R/Byp/Unb Zn000-999 BT/BJ/BB/BU 000-999
2A	Interio	Trb/T_R/Byp/Unb Zn000-999 BT/BJ/BB/BU 000-999
2B	InteriorHA	Trb/T_R/Byp/Unb Zn000-999 BT/BJ/BB/BU 000-999
2C	Motion	Trb/T_R/Byp/Unb Zn000-999 BT/BJ/BB/BU 000-999
2D	Water	Trb/T_R/Byp/Unb Zn000-999 WT/WJ/WB/WU 000-999
2E	Freeze	Trb/T_R/Byp/Unb Zn000-999 ZT/ZJ/ZB/ZU 000-999
2F	Gas	Trb/T_R/Byp/Unb Zn000-999 GT/GJ/GB/GU 000-999
30	Heat	Trb/T_R/Byp/Unb Zn000-999 KT/KJ/KB/KU 000-999
31	24 hrs	Trb/T_R/Byp/Unb Zn000-999 UT/UJ/UB/UU 000-999
32	System	Trb/T_R/Byp/Unb Zn000-999 UT/UJ/UB/UU 000-999
33	Auxil.	Trb/T_R/Byp/Unb Zn000-999 UT/UJ/UB/UU 000-999
34	Untyped	Trb/T_R/Byp/Unb Zn000-999 UT/UJ/UB/UU 000-999
35		Trb/T_R/Byp/Unb Zn000-999 UT/UJ/UB/UU 000-999
36	24hrLat	Trb/T_R/Byp/Unb Zn000-999 UT/UJ/TB/TU 000-999
37	Tamper	Trb/T_R/Byp/Unb Zn000-999 UT/UJ/TB/TU 000-999
38	Supervi	Trb/T_R/Byp/Unb Zn000-999 UT/UJ/UB/UU 000-999
39	Expans.	Trb/T_R/Byp/Unb Zn000-999 ET/ER/UB/UU 000-999
3A	AC Cut	Trb/T_R/Byp/Unb Zn000-999 AT/AR/UB/UU 000-999
3B	WirLBat	Trb/T_R/Byp/Unb Zn000-999 XT/XR/UB/UU 000-999
3C	PwSupply	Trb/T_R/Byp/Unb Zn000-999 YP/YQ/UB/UU 000-999
3D	SysLBat	Trb/T_R/Byp/Unb Zn000-999 YT/YR/UB/UU 000-999
3E	Line	Trb/T_R/Byp/Unb Zn000-999 LT/LR/UB/UU 000-999
3F	ZnFault	Trb/T_R/Byp/Unb Zn000-999 UT/UJ/UB/UU 000-999

40 TO 5F----- RESERVED

**NOTE:** Interior Delay Zones will use the reporting type for Burglary at Default.

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## Supervisory Reporting Types:

Rep.Type	Printer MSG	Computer MSG
60	Fire	Sup/S_R/Byp/Unb Zn000-999 FS/FJ/FB/FU 000-999
61	Sprinkl	Sup/S_R/Byp/Unb Zn000-999 SS/SJ/SB/SU 000-999
62	Panic	Sup/S_R/Byp/Unb Zn000-999 PS/PJ/PB/PU 000-999
63	Hold up	Sup/S_R/Byp/Unb Zn000-999 HS/HJ/HB/HU 000-999
64	Medical	Sup/S_R/Byp/Unb Zn000-999 MS/MJ/MB/MU 000-999
65	Emergen	Sup/S_R/Byp/Unb Zn000-999 QS/QJ/QB/QU 000-999
66	Burglar	Sup/S_R/Byp/Unb Zn000-999 BS/BJ/BB/BU 000-999
67	DelayHA	Sup/S_R/Byp/Unb Zn000-999 BS/BJ/BB/BU 000-999
68	Delay	Sup/S_R/Byp/Unb Zn000-999 BS/BJ/BB/BU 000-999
69	Instant	Sup/S_R/Byp/Unb Zn000-999 BS/BJ/BB/BU 000-999
6A	Interio	Sup/S_R/Byp/Unb Zn000-999 BS/BJ/BB/BU 000-999
6B	InterHA	Sup/S_R/Byp/Unb Zn000-999 BS/BJ/BB/BU 000-999
6C	Motion	Sup/S_R/Byp/Unb Zn000-999 BS/BJ/BB/BU 000-999
6D	Water	Sup/S_R/Byp/Unb Zn000-999 WS/WJ/WB/WU 000-999
6E	Freeze	Sup/S_R/Byp/Unb Zn000-999 ZS/ZJ/ZB/ZU 000-999
6F	Gas	Sup/S_R/Byp/Unb Zn000-999 GS/GJ/ZB/ZU 000-999
70	Heat	Sup/S_R/Byp/Unb Zn000-999 KS/KJ/KB/KU 000-999
71	24 Hrs	Sup/S_R/Byp/Unb Zn000-999 US/UJ/UB/UU 000-999
72	System	Sup/S_R/Byp/Unb Zn000-999 US/UJ/UB/UU 000-999
73	Auxil.	Sup/S_R/Byp/Unb Zn000-999 US/UJ/UB/UU 000-999
74	Untyped	Sup/S_R/Byp/Unb Zn000-999 US/UJ/UB/UU 000-999
75		Sup/S_R/Byp/Unb Zn000-999 US/UJ/UB/UU 000-999

## Open/Close Reporting Types:

76	Open User000-999	OP 000-999
F6	Close User000-999	CL 000-999
77	Open Group000-999	OG 000-999
F7	Close Group000-999	CG 000-999

## Miscellaneous Reporting Types:

78	By	User	000-999	No transmission
79	Control	Act/Rst	Pt000-999	RC/RO 000-999
7A	Service	Req	Zn000-999	YX 000-999
7B	Dealer	Id	000-999	DU 000-999
7C	User	Msg	Zn000-999	CE 000-999
7D	Instal	Msg	Zn000-999	DU 000-999

---

## 7E : Specific Messages Reporting Types:

For reporting type 7E, the reporting code is specified in the message to be printed or transmitted to the Computer. The zone sent to the computer is always 000.

Rep. Code	Printer MSG	Computer MSG	Rep. Code	Printer MSG	Computer MSG
01	Automat Closing	CA	23	Date Changed	JD
02	Automat Open	OA	24	Holiday Changed	JH
03	Closing Extend	CE	25	User cd Changed	JV
04	Partial Closing	CG	26	User cd Deleted	JX
05	Forced Closing	CF	27	Local Prg Begin	LB
06	Forced arming	CW	28	Local Prg Denied	LD
07	Fail to Close	CI	29	Local Prg Succes	LS
08	Fail to Open	OI	2A	Local Prg Fail	LU
09	Late Close	CJ	2B	Local Prg Ended	LX
0A	Late Open	OJ	2C	Listen-In begin	LF
0B	Late to Close	OT	2D	Listen-In ended	LE
0C	Late to Open	CT	2E	Remote P.C.F	RA
0D	Early Close	CK	2F	Remote P.begin	RB
0E	Early Open	OK	30	Remote P.Denied	RD
0F	F. Arm Perimeter	NF	31	Remote P.Success	RS
10	Perimeter Arm	NL000	32	Remote P.Fail	RU
11	Disarm From Alm	OR	33	Remote Reset	RN
12	Access Closed	DC	34	Power Up	RR
13	Access Denied	DD	35	Data Lost	RT
14	Access Granted	DG	36	Automatic Test	RP
15	Access Lockout	DK	37	Manual Test	RX
16	Access Open	DO	38	Test Start	TS
17	Access Trouble	DT	39	Test End	TE
18	Door Forced	DF	3A	Printer Papr In	VI
19	Door Station	DS	3B	Printer Papr Out	VO
1A	Alm On Exit	UA	3C	Printer Restore	VR
1B	Fire test begin	FI	3D	Printer Trouble	VT
1C	Fire test end	FK	3E	Printer Test	VX
1D	User cd Tamper	JA	3F	Printer On Line	VY
1E	Log Threshold	JL	40	Printer Off Line	VZ
1F	Log Overflow	JO	41	Extra Point	XE
20	Schedul Execute	JR	42	Extra RF Point	XF
21	Schedul Change	JS	43	Sensor Reset	XI
22	Time Changed	JT	44	Forced Point	XW
			45	Watch Dog Reset	YW
			46	Service Required	YX
			47	Status Report	YY
			48	Downlook Start	None

# Appendix B: PC580/585, PC1555/1565, PC5008, PC5010, PC5015, PC5020

## DVACS Default Reporting Codes

### ALARMS:

Event Description	MT / Function Byte	Real Zone #	SIA Message
Delay	08 / 88		BA0zz / BH0zz
Instant	09 / 89		BA0zz / BH0zz
Interior	0A / 8A		BA0zz / BH0zz
Interior Home-Away	0B / 8B		BA0zz / BH0zz
Delay Home-Away	07 / 87		BA0zz / BH0zz
Delayed 24-Hr Fire	00 / 80		FA0zz / FH0zz
Standard 24-Hr Fire	00 / 80		FA0zz / FH0zz
Delayed 24-Hr Waterflow	01 / 81		SA0zz / SH0zz
Instant 24-hr Waterflow	01 / 81		SA0zz / SH0zz
Auto Verified Fire	00 / 80		FA0zz / FH0zz
Fire Supervisory	11 / 91		UA0zz / UH0zz
Day Zone	06 / 86		BA0zz / BH0zz
24-Hr Supervisory Links	11 / 91		UA0zz / UH0zz
24-Hr Supervisory Buzzer	11 / 91		UA0zz / UH0zz
24-Hr Burglary	06 / 86		BA0zz / BH0zz
24-Hr Hold up	03 / 83		HA0zz / HH0zz
24-Hr Gas	0F / 8F		GA0zz / GH0zz
24-Hr Heat	10 / 90		KA0zz / KH0zz
24-Hr Medical	04 / 84		MA0zz / MH0zz
24-Hr Panic	02 / 82		PA0zz / PH0zz
24-Hr Emergency	05 / 85		QA0zz / QH0zz
24-Hr Sprinkler	01 / 81		SA0zz / SH0zz
24-Hr Water	0D / 8D		WA0zz / WH0zz
24-Hr Freeze	0E / 8E		ZA0zz / ZH0zz
24-Hr Latching Tamper	16 / 96		TA0zz / TR0zz
Interior Delay	08 / 88		BA0zz / BH0zz
Duress	03	99	HA099
Keypad Fire Alm/Rst	00	99	FA099
Keypad Aux. Alm/Rst	04	99	MA099
Keypad Panic Alm/Rst	02	99	PA099
PGM2 Input Alm/Rst	14 / 94	65	UA065 / UH065

### BYPASSES:

Event Description	MT / Function Byte	Real Zone #	SIA Message
Delay	48		BB0zz
Instant	49		BB0zz
Interior	4A		BB0zz
Interior Home-Away	4B		BB0zz
Delay Home-Away	47		BB0zz
Delayed 24-Hr Fire	40		FB0zz
Standard 24-Hr Fire	40		FB0zz
Delayed 24-Hr Waterflow	01 / 81		SA0zz / SH0zz
Instant 24-hr Waterflow	01 / 81		SA0zz / SH0zz
Auto Verified Fire	00 / 80		FA0zz / FH0zz
Fire Supervisory	11 / 91		UA0zz / UH0zz
Day Zone	06 / 86		BA0zz / BH0zz
24-Hr Supervisory Links	51		UB0zz
24-Hr Supervisory Buzzer	51		UB0zz
24-Hr Burglary	46		BB0zz
24-Hr Hold up	43		HB0zz
24-Hr Gas	4F		GB0zz

Event Description	MT / Function Byte	Low Zone #	SIA Message
24-Hr Heat	50		KB0zz
24-Hr Medical	44		MB0zz
24-Hr Panic	42		PB0zz
24-Hr Emergency	45		QB0zz
24-Hr Sprinkler	41		SB0zz
24-Hr Water	4D		WB0zz
24-Hr Freeze	4E		ZB0zz
24-Hr Latching Tamper	56		TB0zz
Interior Delay	48		BB0zz
24-Hr Non-alarm	51		UB0zz

### TAMPER ALARMS:

Event Description	MT / Function Byte	Low Zone #	SIA Message
Delay	68 / E8		BS0zz / BJ0zz
Instant	69 / E9		BS0zz / BJ0zz
Interior	6A / EA		BS0zz / BJ0zz
Interior Home-Away	6B / EB		BS0zz / BJ0zz
Delay Home-Away	67 / E7		BS0zz / BJ0zz
Delayed 24-Hr Fire	60 / E0		FS0zz / FJ0zz
Standard 24-Hr Fire	60 / E0		FS0zz / FJ0zz
Delayed 24-Hr Waterflow	01 / 81		SA0zz / SH0zz
Instant 24-hr Waterflow	01 / 81		SA0zz / SH0zz
Auto Verified Fire	00 / 80		FA0zz / FH0zz
Fire Supervisory	11 / 91		UA0zz / UH0zz
Day Zone	06 / 86		BA0zz / BH0zz
24-Hr Supervisory Links	71 / F1		US0zz / UJ0zz
24-Hr Supervisory Buzzer	71 / F1		US0zz / UJ0zz
24-Hr Burglary	66 / E6		BS0zz / BJ0zz
24-Hr Hold up	63 / E3		HS0zz / HJ0zz
24-Hr Gas	6F / EF		GS0zz / GJ0zz
24-Hr Heat	70 / F0		KS0zz / KJ0zz
24-Hr Medical	64 / E4		MS0zz / MJ0zz
24-Hr Panic	62 / E2		PS0zz / PJ0zz
24-Hr Emergency	65 / E5		QS0zz / QJ0zz
24-Hr Sprinkler	61 / E1		SS0zz / SJ0zz
24-Hr Water	6D / ED		WS0zz / WJ0zz
24-Hr Freeze	6E / EE		ZS0zz / ZJ0zz
24-Hr Latching Tamper	71 / F1		US0zz / UJ0zz
Interior Delay	68 / E8		BS0zz / BJ0zz
24-Hr Non-alarm	71 / F1		US0zz / UJ0zz
Keypad x Tamper/Rst	17 / 97	66 - 73	TA0xx / TR0xx
Zn. Exp. x Tamper/Rst	17 / 97	74 - 80	TA0xx / TR0xx
PC5132 Tamper/Rst	17 / 97	81	TA081 / TR081
PC5208 Tamper/Rst	17 / 97	82	TA082 / TR082
PC5204 Tamper/Rst	17 / 97	83	TA083 / TR083
PC5400 Tamper/Rst	17 / 97	84	TA084 / TR084
Alternate Comm. Tamper/Rst	17 / 97	85	TA085 / TR085
PC5100 Tamper/Rst	17 / 97	88	TA088 / TR088
PC5200 Tamper/Rst	17 / 97	90 - 93	TA0xx / TR0xx

**SYSTEM TROUBLES:**

<b>Event Description</b>	<b>MT / Function Byte</b>	<b>Low Zone #</b>	<b>SIA Message</b>
Delay	28 / A8		BT0zz / BJ0zz
Instant	29 / A9		BT0zz / BJ0zz
Interior	2A / AA		BT0zz / BJ0zz
Interior Home-Away	2B / AB		BT0zz / BJ0zz
Delay Home-Away	27 / A7		BT0zz / BJ0zz
Delayed 24-Hr Fire	20 / A0		FT0zz / FJ0zz
Standard 24-Hr Fire	20 / A0		FT0zz / FJ0zz
Delayed 24-Hr Waterflow	01 / 81		SA0zz / SH0zz
Instant 24-hr Waterflow	01 / 81		SA0zz / SH0zz
Auto Verified Fire	00 / 80		FA0zz / FH0zz
Fire Supervisory	11 / 91		UA0zz / UH0zz
Day Zone	06 / 86		BA0zz / BH0zz
24-Hr Supervisory Links	31 / B1		UT0zz / UJ0zz
24-Hr Supervisory Buzzer	31 / B1		UT0zz / UJ0zz
24-Hr Burglary	26 / A6		BT0zz / BJ0zz
24-Hr Holdup	23 / A3		HT0zz / HJ0zz
24-Hr Gas	2F / AF		GT0zz / GJ0zz
24-Hr Heat	30 / B0		KT0zz / KJ0zz
24-Hr Medical	24 / A4		MT0zz / MJ0zz
24-Hr Panic	22 / A2		PT0zz / PJ0zz
24-Hr Emergency	25 / A5		QT0zz / QJ0zz
24-Hr Sprinkler	21 / A1		ST0zz / SJ0zz
24-Hr Water	2D / AD		WT0zz / WJ0zz
24-Hr Freeze	2E / AE		ZT0zz / ZJ0zz
24-Hr Latching Tamper	36 / B6		UT0zz / UJ0zz
Interior Delay	28 / A8		BT0zz / BJ0zz
24-Hr Non-alarm	31 / B1		UT0zz / UJ0zz
Zone 01 - 32 Low Bt./Rst	3B / BB	Real Zone #	XT0zz / XR0zz
Battery Trouble Alm/Rst	3D / BD	01	YT001 / YR001
AC Failure Alm/Rst	3A / BA	01	AT001 / AR001
Bell Circuit Alm/Rst	33 / B3	99	UT099 / UJ099
Fire Trouble Alm/Rst	20 / A0	00	FT000 / FJ000
Aux. Power Alm/Rst	3C / BC	01	YP001 / YQ001
TLM Alm/Rst Links	3E / BE	00	LT000 / LR000
Phone #1 Alm/Rst	3E / BE	01	LT001 / LR001
Phone #2 Alm/Rst	3E / BE	02	LT002 / LR002
Keybus Fault Alm/Rst	39 / B9	01	ET001 / ER001
Critical Shutdown	3D	00	YT000
PC5200 AC Rst/Fail	3A / BA	90 - 93	AT0xx / AR0xx
PC5200 Batt. Rst/Trouble	3D / BD	90 - 93	YT0xx / YR0xx
PC5200 Circuit Rst/Trbl.	3C / BC	90 - 93	YP0xx / YQ0xx
PC5200 Output 1 Rst/Fail	3F / BF	90 - 93	UT0xx / UJ0xx
PC5204 AC Rst/Fail	3A / BA	83	AT083 / AR083
PC5204 Batt. Rst/Trouble	3D / BD	83	YT083 / YR083
PC5204 Circuit Rst/Trbl.	3C / BC	83	YP083 / YQ083
PC5204 Output 1 Rst/Fail	3F / BF	83	UT083 / UJ083
PC5400 ON-line/OFF-line	7E	3F / 40	VY / VZ
PC5700 TLM	3E / BE	3-4	LTx / LRx
PC5700 EGND	32 / B2	94	UT094 / UJ094

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**SUPERVISORY ALARMS:**

<b>Event Description</b>	<b>MT / Function Byte</b>	<b>Low Zone #</b>	<b>SIA Message</b>
Keypad x Suprv./Rst	32 / B2	66 - 73	UT0xx / UJ0xx
Zn. Exp. x Suprv./Rst	32 / B2	74 - 80	UT0xx / UJ0xx
PC5132 Suprv./Rst	32 / B2	81	UT081 / UJ081
PC5208 Suprv./Rst	32 / B2	82	UT082 / UJ082
PC5204 Suprv./Rst	32 / B2	83	UT083 / UJ083
PC5400 Suprv./Rst	32 / B2	84	UT084 / UJ084
Alternat Comm. Suprv./Rst	32 / B2	85	UT085 / UJ085
PC59XX Suprv./Rst	32 / B2	86	UT086 / UJ086
ESCORT Suprv./Rst	32 / B2	87	UT087 / UJ087
PC5100 Suprv./Rst	32/B2	88	UT088 / UJ088
PC5200 Suprv./Rst	32/B2	90 - 93	UT0xx / UJ0xx
Dwnlk Mod. Suprv./Rst	32 / B2	89	UT089 / UJ089
Expander Module Superv./Rst	75 / F5	000	US000 / UJ000

**OPEN / CLOSE REPORTS:**

<b>Event Description</b>	<b>MT / Function Byte</b>	<b>Low Zone #</b>	<b>SIA Message</b>
Opening By User 01 - 42	76	User #	OP0xx
Closing By User 01 - 42	F6	User #	CL0xx
Opening By Maintenance	76	43	OP043
Opening By Keyswitch	76	44	OP044
Opening By Downloading	76	45	OP045
Closing By Maintenance	F6	43	CL043
Closing By Keyswitch	F6	44	CL044
Closing By Downloading	F6	45	CL045
Quick /Away Arming	F6	46	CL046
Automatic Closing	7E	01	CA
Partition Opening	77	x=1 - 8	OGx

**MISCELLANEOUS SYSTEM REPORTS:**

<b>Event Description</b>	<b>MT / Function Byte</b>	<b>Low Zone #</b>	<b>SIA Message</b>
Keypad Lockout	7E	1D	JA
Remote ESCORT Access	7E	16	DO
DLS Lead In/ Lead Out	7E	2F / 31	RB / RS
System Test	7E	37	RX
Installer Lead In/Out	7E	27 / 29	LB / LS
Cold Start	7E	34	RR
Warm Start	7E	45	YW
Swinger Shutdown	3F	00	UT000
H-A Mode/Re-Activ.H-A	7E	10	NL
Opening After Alarm	7E	11	OR
Recent Closing	7E	1A	UA
Auto Arm Cancellation	7E	0B	OT
Partial Closing	7E	04	CG
Downlook Mdl Remove Trigger	7E	37	RX
Late to Close	7E	07	CI000
Delinquency Code	32	97	CD
Police Code	19	01	BV000
Event Buffer 75% Full	7E	1E	JL



## **LIMITED WARRANTY**

Digital Security Controls Ltd. warrants that for a period of twelve months from the date of purchase, the product shall be free of defect in materials and workmanship under normal use and that in fulfillment of any breach of such warranty, Digital Security Controls Ltd. shall, at its option, repair or replace the defective equipment upon return of the equipment to its repair depot. This warranty applies only to defects in parts and workmanship and not to damage incurred in shipping or handling, or damage due to causes beyond the control of Digital Security Controls Ltd. such as lightning, excessive voltage, mechanical shock, water damage, or damage arising out of abuse, alteration or improper application of the equipment.

The foregoing warranty shall apply only to the original buyer, and is and shall be in lieu of any and all other warranties, whether expressed or implied and of all other obligations or liabilities on the part of Digital Security Controls Ltd. This warranty contains the entire warranty. Digital Security Controls Ltd. neither assumes responsibility for, nor authorizes any other person purporting to act on its behalf to modify or to change this warranty, nor to assume for it any other warranty or liability concerning this product.

In no event shall Digital Security Controls Ltd. be liable for any direct, indirect or consequential damages, loss of anticipated profits, loss of time or any other losses incurred by the buyer in connection with the purchase, installation or operation or failure of this product.

**WARNING:** Digital Security Controls Ltd. recommends that the entire system be completely tested on a regular basis. However, despite frequent testing, and due to, but not limited to, criminal tampering or electrical disruption, it is possible for this product to fail to perform as expected.

## **FCC COMPLIANCE STATEMENT**

**CAUTION:** Changes or modifications not expressly approved by Digital Security Controls Ltd. could void your authority to use this equipment.

This equipment generates and uses radio frequency energy and if not installed and used properly, in strict accordance with the manufacturer's instructions, may cause interference to radio and television reception. It has been type tested and found to comply with the limits for Class B device in accordance with the specifications in Subpart "B" of Part 15 of FCC Rules, which are designed to provide reasonable protection against such interference in any residential installation. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause interference to television or radio reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Re-orient the receiving antenna
- Relocate the alarm control with respect to the receiver
- Move the alarm control away from the receiver
- Connect the alarm control into a different outlet so that alarm control and receiver are on different circuits.

If necessary, the user should consult the dealer or an experienced radio/television technician for additional suggestions. The user may find the following booklet prepared by the FCC useful: "How to Identify and Resolve Radio/Television Interference Problems". This booklet is available from the U.S. Government Printing Office, Washington D.C. 20402, Stock # 004-000-00345-4.

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**Notes:**

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**Notes:**

**1-800-387-3630**

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29005750 R002 Printed in Canada