Installation Manual

PC5720 Sur-Gard V

1-800-503-5869

• W A R N I N G •

This manual contains information on limitations regarding product use and function and information on the limitations as to liability of the manufacturer. The entire manual should be carefully read.

SG SECURITY COMMUNICATIONS ™
A Division of Sur-Gard Security Systems Ltd.

DSC ™
Security Products

WARNING Please Read Carefully

Note to Installers

This warning contains vital information. As the only individual in contact with system users, it is your responsibility to bring each item in this warning to the attention of the users of this system.

System Failures

This system has been carefully designed to be as effective as possible. There are circumstances, however, involving fire, burglary, or other types of emergencies where it may not provide protection. Any alarm system of any type may be compromised deliberately or may fail to operate as expected for a variety of reasons. Some but not all of these reasons may be:

■ Inadequate Installation

A security system must be installed properly in order to provide adequate protection. Every installation should be evaluated by a security professional to ensure that all access points and areas are covered. Locks and latches on windows and doors must be secure and operate as intended. Windows, doors, walls, ceilings and other building materials must be of sufficient strength and construction to provide the level of protection expected. A reevaluation must be done during and after any construction activity. An evaluation by the fire and/or police department is highly recommended if this service is available.

■ Criminal Knowledge

This system contains security features which were known to be effective at the time of manufacture. It is possible for persons with criminal intent to develop techniques which reduce the effectiveness of these features. It is important that a security system be reviewed periodically to ensure that its features remain effective and that it be updated or replaced if it is found that it does not provide the protection expected.

■ Access by Intruders

Intruders may enter through an unprotected access point, circumvent a sensing device, evade detection by moving through an area of insufficient coverage, disconnect a warning device, or interfere with or prevent the proper operation of the system.

■ Power Failure

Control units, intrusion detectors, smoke detectors and many other security devices require an adequate power supply for proper operation. If a device operates from batteries, it is possible for the batteries to fail. Even if the batteries have not failed, they must be charged, in good condition and installed correctly. If a device operates only by AC power, any interruption, however brief, will render that device inoperative while it does not have power. Power interruptions of any length are often accompanied by voltage fluctuations which may damage electronic equipment such as a security system. After a power interruption has occurred, immediately conduct a complete system test to ensure that the system operates as intended.

■ Failure of Replaceable Batteries

This system's wireless transmitters have been designed to provide several years of battery life under normal conditions. The expected battery life is a function of the device environment, usage and type. Ambient conditions such as high humidity, high or low temperatures, or large temperature fluctuations may reduce the expected battery life. While each transmitting device has a low battery monitor which identifies when the batteries need to be replaced, this monitor may fail to operate as expected. Regular testing and maintenance will keep the system in good operating condition.

■ Compromise of Radio Frequency (Wireless) Devices

Signals may not reach the receiver under all circumstances which could include metal objects placed on or near the radio path or deliberate jamming or other inadvertent radio signal interference.

■ System Users

A user may not be able to operate a panic or emergency switch possibly due to permanent or temporary physical disability, inability to reach the device in time, or unfamiliarity with the correct operation. It is important that all system users be trained in the correct operation of the alarm system and that they know how to respond when the system indicates an alarm.

■ Smoke Detectors

Smoke detectors that are a part of this system may not properly alert occupants of a fire for a number of reasons, some of which follow. The smoke detectors may have been improperly installed or positioned. Smoke may not be able to reach the smoke detectors, such as when the fire is in a chimney, walls or roofs, or on the other side of closed doors. Smoke detectors may not detect smoke from fires on another level of the residence or building.

Every fire is different in the amount of smoke produced and the rate of burning. Smoke detectors cannot sense all types of fires equally well. Smoke detectors may not provide timely warning of fires caused by carelessness or safety hazards such as smoking in bed, violent explosions, escaping gas, improper storage of flammable materials, overloaded electrical circuits, children playing with matches or arson.

Even if the smoke detector operates as intended, there may be circumstances when there is insufficient warning to allow all occupants to escape in time to avoid injury or death.

■ Motion Detectors

Motion detectors can only detect motion within the designated areas as shown in their respective installation instructions. They cannot discriminate between intruders and intended occupants. Motion detectors do not provide volumetric area protection. They have multiple beams of detection and motion can only be detected in unobstructed areas covered by these beams. They cannot detect motion which occurs behind walls, ceilings, floor, closed doors, glass partitions, glass doors or windows. Any type of tampering whether intentional or unintentional such as masking, painting, or spraying of any material on the lenses, mirrors, windows or any other part of the detection system will impair its proper operation.

Passive infrared motion detectors operate by sensing changes in temperature. However their effectiveness can be reduced when the ambient temperature rises near or above body temperature or if there are intentional or unintentional sources of heat in or near the detection area. Some of these heat sources could be heaters, radiators, stoves, barbeques, fireplaces, sunlight, steam vents, lighting and so on.

■ Warning Devices

Warning devices such as sirens, bells, horns, or strobes may not warn people or waken someone sleeping if there is an intervening wall or door. If warning devices are located on a different level of the residence or premise, then it is less likely that the occupants will be alerted or awakened. Audible warning devices may be interfered with by other noise sources such as stereos, radios, televisions, air conditioners or other appliances, or passing traffic. Audible warning devices, however loud, may not be heard by a hearing-impaired person.

■ Telephone Lines

If telephone lines are used to transmit alarms, they may be out of service or busy for certain periods of time. Also an intruder may cut the telephone line or defeat its operation by more sophisticated means which may be difficult to detect.

■ Insufficient Time

There may be circumstances when the system will operate as intended, yet the occupants will not be protected from the emergency due to their inability to respond to the warnings in a timely manner. If the system is monitored, the response may not occur in time to protect the occupants or their belongings.

■ Component Failure

Although every effort has been made to make this system as reliable as possible, the system may fail to function as intended due to the failure of a component.

■ Inadequate Testing

Most problems that would prevent an alarm system from operating as intended can be found by regular testing and maintenance. The complete system should be tested weekly and immediately after a break-in, an attempted break-in, a fire, a storm, an earthquake, an accident, or any kind of construction activity inside or outside the premises. The testing should include all sensing devices, keypads, consoles, alarm indicating devices and any other operational devices that are part of the system.

■ Security and Insurance

Regardless of its capabilities, an alarm system is not a substitute for property or life insurance. An alarm system also is not a substitute for property owners, renters, or other occupants to act prudently to prevent or minimize the harmful effects of an emergency situation.

LIMITED WARRANTY

Digital Security Controls Ltd. warrants the original purchaser that for a period of twelve months from the date of purchase, the product shall be free of defects in materials and workmanship under normal use. During the warranty period, Digital Security Controls Ltd. shall, at its option, repair or replace any defective product upon return of the product to its factory, at no charge for labour and materials. Any replacement and/or repaired parts are warranted for the remainder of the original warranty or ninety (90) days, whichever is longer. The original owner must promptly notify Digital Security Controls Ltd. in writing that there is defect in material or workmanship, such written notice to be received in all events prior to expiration of the warranty period.

International Warranty
The warranty for international customers is the same as for any customer within Canada and the United States, with the exception that Digital Security Controls Ltd. shall not be responsible for any customs fees, taxes, or VAT that may be due.

Warranty Procedure
To obtain service under this warranty, please return the item(s) in question to the point of purchase. All authorized distributors and dealers have a warranty program. Anyone returning goods to Digital Security Controls Ltd. must first obtain an authorization number. Digital Security Controls Ltd. will not accept any shipment whatsoever for which prior authorization has not been obtained.

Conditions to Void Warranty
This warranty applies only to defects in parts and workmanship relating to normal use. It does not cover:
- damage incurred in shipping or handling;
- damage caused by disaster such as fire, flood, wind, earthquake or lightning;
- damage due to causes beyond the control of Digital Security Controls Ltd. such as excessive voltage, mechanical shock or water damage;
- damage caused by unauthorized attachment, alterations, modifications or foreign objects;
- damage caused by peripherals (unless such peripherals were supplied by Digital Security Controls Ltd.);
- defects caused by failure to provide a suitable installation environment for the products;
- damage caused by use of the products for purposes other than those for which it was designed;
- damage from improper maintenance;
- damage arising out of any other abuse, mishandling or improper application of the products.

Digital Security Controls Ltd.'s liability for failure to repair the product under this warranty after a reasonable number of attempts will be limited to a replacement of the product, as the exclusive remedy for breach of warranty. Under no circumstances shall Digital Security Controls Ltd. be liable for any special, incidental, or consequential damages based upon breach of warranty, breach of contract, negligence, strict liability, or any other legal theory. Such damages include, but are not limited to, loss of profits, loss of the product or any associated equipment, cost of capital, cost of substitute or replacement equipment, facilities or services, down time, purchaser's time, the claims of third parties, including customers, and injury to property.

Disclaimer of Warranties
This warranty contains the entire warranty and shall be in lieu of any and all other warranties, whether expressed or implied (including all implied warranties of merchantability or fitness for a particular purpose) And of all other obligations or liabilities on the part of Digital Security Controls Ltd. Digital Security Controls Ltd. neither assumes 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.

This disclaimer of warranties and limited warranty are governed by the laws of the province of Ontario, Canada.

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.

Installer's Lockout
Any products returned to DSC which have the Installer's Lockout option enabled and exhibit no other problems will be subject to a service charge.

Out of Warranty Repairs
Digital Security Controls Ltd. will at its option repair or replace out-of-warranty products which are returned to its factory according to the following conditions. Anyone returning goods to Digital Security Controls Ltd. must first obtain an authorization number. Digital Security Controls Ltd. will not accept any shipment whatsoever for which prior authorization has not been obtained.

Products which Digital Security Controls Ltd. determines to be repairable will be repaired and returned. A set fee which Digital Security Controls Ltd. has predetermined and which may be revised from time to time, will be charged for each unit repaired.

Products which Digital Security Controls Ltd. determines not to be repairable will be replaced by the nearest equivalent product available at that time. The current market price of the replacement product will be charged for each replacement unit.

Table of Contents

Open / Close Reports:

Event Description	MT / Function Byte	Low Zone #	SIA Message
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

Miscellaneous System Reports:

Event Description	MT / Function Byte	Low Zone #	SIA Message
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

Event Description	MT / Function Byte	Low Zone #	SIA Message
Zone 01 - 32 Trouble/Rst	**Definition dependent**		
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
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	71	UT071 / UJ071
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
PC5204 AC Rst/Fail	3A / BA	63	AT063 / AR063
PC5204 Batt. Rst/Trouble	3D / BD	63	YT063 / YR063
PC5204 Circuit Rst/Trbl.	3C / BC	63	YP063 / YQ063
PC5204 Output 1 Rst/Fail	3F / BF	63	UT063 / UJ063
PC5400 ON-line/OFF-line	7E	3F / 40	VY / VZ

Supervisory Alarms:

Event Description	MT / Function Byte	Low Zone #	SIA Message
Keypad x Suprv./Rst	32 / B2	41 - 48	UT04z / UJ04z
Zn. Exp. x Suprv./Rst	32 / B2	51 - 56	UT05z / UJ05z
PC5132 Suprv./Rst	32 / B2	61	UT061 / UJ061
PC5208 Suprv./Rst	32 / B2	62	UT062 / UJ062
PC5204 Suprv./Rst	32 / B2	68	UT068 / UJ068
PC5400 Suprv./Rst (DVACS Cut) (No Default Transmission) (If needed then program)	32 / B2	64	UT064 / UJ064
LINKS Suprv./Rst	32 / B2	65	UT065 / UJ065 •
PC59XX Suprv./Rst	32 / B2	66	UT066 / UJ066
ESCORT Suprv./Rst	32 / B2	67	UT067 / UJ067
Bell Suprv./Rst	32 / B2	71	UT071 / UJ071
Expander Module Supervisory Alarm	75 / F5	000	US000 / UJ000

• **To be supported on future versions**

System Introduction

Features

The PC5720 is a fire module that can be used for ULC-listed non-residential fire applications. The PC5720 can also be used as an interface between the control panel and either a serial printer or a DVAC communications network.

Module Specifications

- 4-wire (QUAD) hook-up to the Keybus
- Current draw: 80mA standby; 100mA with printer, 120mA with F1/F2-L3
- Tamper and Trouble reporting codes
- Maximum cable length: 200 feet (61 meters)
- Eight zone inputs: one ground fault detection zone, two normally open Class A loops and five general purpose zone inputs.

PC5720 connected to a serial printer

- True RS-232 technology
- DTR protocol
- Four possible baud rates: 300, 1200, 2400 or 4800

PC5720 connected to a DVACS network

- Automatic programming for extended DVACS reporting codes.
- Monitoring for DVACS line fault
- Module self diagnostics

Getting Started

Mounting the Cabinet

When mounting a new cabinet for the PC5720, select a dry location close to where the serial printer will be located (if used), or near the F1/F2 subset if DVACS communications is to be used.

To mount the cabinet:

1. From the back of the cabinet, press in the four white circuit board stand-offs into the raised mounting holes.

2. Holding the cabinet in position, pull all wiring into the cabinet through the hole in the back.

3. Using the provided mounting screws and appropriate wall anchors, mount the cabinet securely to the wall.

4. Press the PC5720 module onto the plastic stand-offs.

Wiring

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

Keybus Wires

Connect the red, black, yellow and green wires to the RED, BLK, YEL and GRN terminals on the control panel, respectively. Refer to your panel's Installation Manual for complete instructions on Keybus wiring.

Zone Input terminals

The PC5720 zones always report as zones 09-16 on the control panel. These zones cannot be programmed to enunciate as any other system zones.

· The EGND input will report as control panel zone 09. It is a ground fault detection zone only. When the PC5720 detects an incorrect ground connection, a zone 9 trouble is sent to the control panel. Zone 09 must be programmed as a 24-hour supervisory zone (zone type 09). A ground fault cannot cause a false alarm on any zone, nor can it inhibit any zone's performance.

· Zone inputs Z10-Z14 will report as control panel zones 10-14.

· The two sets of A and B terminals on the PC5720 will report as control panel zones 15 and 16. These zones must be connected according to the following diagram.
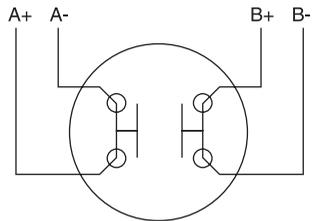
Tamper

There is no tamper input for the PC5720.

Tamper Alarms:

Event Description	MT / Function Byte	Low Zone #	SIA Message
Zone 01 - 32 Tamper/Rst	*Definition dependent*		
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 •
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
Keypad x Tamper/Rst	17 / 97	41 - 48	TA04z / TR04z
Zn. Exp. x Tamper/Rst	17 / 97	51 - 56	TA05z / TR05z
PC5132 Tamper/Rst	17 / 97	61	TA061 / TR061
PC5208 Tamper/Rst	17 / 97	62	TA062 / TR062
PC5204 Tamper/Rst	17 / 97	63	TA063 / TR063
PC5400 Tamper/Rst	(No DVAC)		
	17 / 97	64	TA064 / TR064
LINKS Tamper/Rst	17 / 97	65	TA065 / TR065 •

System Troubles:

Event Description	MT / Function Byte	Low Zone #	SIA Message
Zone 01 - 32 Trouble/Rst	*Definition dependent*		
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	00	FT0zz / FJ0zz
Standard 24-Hr Fire	20 / A0	00	FT0zz / FJ0zz
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

• **To be supported on future versions**

PC5010 Extended DVACS Default Programming

Alarms:

Event Description	MT / Function Byte	Real Zone #	SIA Message
Zone 01 - 32 Alm/Rst	*Definition Dependent*		
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
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
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
2-Wire Smoke Alm/Rst	00 /80	33	FA033 / FH033

Bypasses:

Event Description	MT / Function Byte	Real Zone #	SIA Message
Zone 01 - 32 Bypass	*Definition Dependent*		
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
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
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

Module Supervision

The PC5720 will not be supervised as as a single unit unlike the other Power832 modules. It will be supervised a PC5400 module and zone expanders 1 and 2 (zones 9-16). These three areas of supervision correspond to supervision zone lights [20], [9] and [10] when all modules are displayed by entering [✱] [8] [Installer's Code] [903]. The supervision restorals of all modules will be transmitted through the DVAC line (if used).

In order for the PC5720 to be supervised, you must follow the supervision procedure by entering [✱] [8] [Installer's Code] [902]. For details, please refer to your panel's Installation Manual.

If the PC5720 loses communication with the main panel, a Keybus fault will be transmitted through the DVAC line. The PC5720 (the PC5400 and zone expanders 1 and 2) will go into supervisory fault. All events which occur during the Keybus fault will not be transmitted through the DVAC line. Once communications have been restored, a Keybus fault restoral will be transmitted and the PC5720 (PC5400 and zone expanders 1 and 2) will be restored from supervisory fault.

If the PC5720 loses communications with the DVAC receiver, it will stop supervising the PC5400, causing a PC5400 supervisory fault. When communications are restored, a PC5400 supervisory fault restoral will be sent.

Programming Sections

Program the PC5720 in module programming section [801] in installer's programming mode. For instructions on installer's programming, refer to your control panel's Installation Manual, section four "How to Program".

If you will be connecting the PC5720 to a serial printer, program sections [01] to [05]. If you will be using DVACS, program section [06], option [1] as OFF, and complete programming in sections [35] to [94].

Serial Printer Programming:

Printer Enable/Disable – Section [01], Option [1]
This section will enable or disable the serial printer option.

Handshake – Section [01], Option [2]
Program this option ON if a handshake signal is required for the printer being used. Program this option OFF if the printer being used does not require a handshake signal.

Printer Columns – Section [01], Option [3]
Program this option ON to use 80-column mode, or OFF to use 40-column mode.

Baud Rate – Section [01], Option [4,5,6, and 7]
This section is used to program which baud rate the PC5720 serial interface module will use to communicate with a serial printer. The baud rate is the speed at which information will be transmitted from the PC5720 module to the serial printer. There are four different baud rates available: 300, 1200, 2400, and 4800 baud. If you are experiencing problems with missing characters, try lowering the baud rate.

Language Selection – Section [05]
The default language for the PC5720 is English. French and Spanish are also available.

PC5400 Miscellaneous Options – Section [06], Option [1]
Program this option as ON if you will be using a serial printer, or as OFF if you will be using DVACS.

NOTE: If you change this option, the PC5720 will return to its factory default programming.

Sur-Gard DVACS Programming
Program the same zone definitions as are programmed in the control panel. This allows the PC5720 to correctly translate information sent on the Keybus and identify the proper event to DVACS.

DVACS ID Code – Section [40]
This section is used to program the PC5720 ID code when using DVACS.
NOTE: Valid ID code: 01-F0

Specific Message Reporting Type

For reporting type 7E, The reporting code specified the message to be printed and transmitted to the Computer. The zone send 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

Supervisory Reporting Type

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 Type

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 Type

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

All Call Select – Section [41]

Use this section to program which all call response the PC5720 will have. The options are:

(00) for no response on all call
(01) for response on all call #1 only
(02) for response on all call #2 only
(03) for response on both all calls
(04) for automatic selection of all call response

DVACS Reporting Codes – Sections [43-68]

These sections are used to determine which reporting code will be sent when transmitting via the DVACS. If the code is left at the default of FF, the PC5720 will transmit a pre-programmed value from an internal table. If the value is programmed as 00, the event will not transmit. Any reporting code programmed between 01-FE will be sent as programmed.

DVACS Reporting Types – Sections [69-94]

These sections are used to determine which reporting type will be used when transmitting via the DVACS. If the code is left at the default of FF, the PC5720 will transmit a pre-programmed value from an internal table. Any reporting code programmed between 00-7F will be sent as programmed.

NOTE: Do not program values above 7F.

NOTE: When changing any of the above options, several tests should be performed to ensure proper operation.

Programming Worksheets

[01] Printer Configuration

Default	Option	ON	OFF
OFF	⌊_⌋ **1**	Printer Enabled	Printer Disabled
ON	⌊_⌋ **2**	Handshake from Printer (DTR)	No Handshake
OFF	⌊_⌋ **3**	80 Column Printer	40 Column Printer
OFF	⌊_⌋ **4**	300 Baud enabled	300 Baud disabled
OFF	⌊_⌋ **5**	1200 Baud enabled	1200 Baud disabled
ON	⌊_⌋ **6**	2400 Baud enabled	2400 Baud disabled
OFF	⌊_⌋ **7**	4800 Baud enabled	4800 Baud disabled
OFF	⌊_⌋ **8**	*For future use*	

[05] Language Selection

Default

01 ⌊_⌋ Printer Language (01=English; 02=French; 03=Spanish)

PC5010 DVACS Programming

[06] Miscellaneous Options

Default	Option	ON	OFF
ON	⌊_⌋ **1**	Serial Printer Support	DVACS Support
OFF	⌊_⌋ **2-8**	*For future use*	

Zone Definitions

00 Null Zone (Not Used)	**09** 24 Hour Supervisory (Links)	**18** 24 Hour Sprinkler
01 Delay 1	**10** 24 Hour Supervisory Buzzer	**19** 24 Hour Water
02 Delay 2	**11** 24 Hour Burglary	**20** 24 Hour Freeze
03 Instant	**12** 24 Hour Holdup	**21** 24 Hour Latching Tamper
04 Interior	**13** 24 Hour Gas	**22** Momentary Keyswitch Arm
05 Interior, Home-Away	**14** 24 Hour Heat	**23** Maintained Keyswitch Arm
06 Delay, Home-Away	**15** 24 Hour Medical	**24** Links Answer
07 Delayed 24 Hour Fire (Hardwired)	**16** 24 Hour Panic	**87** Delayed 24 Hour Fire (Wireless)
08 Standard 24 Hour Fire (Hardwired)	**17** 24 Hour Emergency	**88** Standard 24 Hour Fire (Wireless)

[36] Zone 1-8 Definitions

Default		Default	
01 ⌊_⌋_⌋	Zone 1	*04* ⌊_⌋_⌋	Zone 5
03 ⌊_⌋_⌋	Zone 2	*04* ⌊_⌋_⌋	Zone 6
03 ⌊_⌋_⌋	Zone 3	*04* ⌊_⌋_⌋	Zone 7
03 ⌊_⌋_⌋	Zone 4	*04* ⌊_⌋_⌋	Zone 8

Troubles Reporting Type

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	InterHA	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	PwSuply	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

DVAC Reporting Types

Alarm Reporting Type

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

---

[37] Zone 9-16 Definitions

Default			Default		
00	|__|__|	Zone 9	*00*	|__|__|	Zone 13
00	|__|__|	Zone 10	*00*	|__|__|	Zone 14
00	|__|__|	Zone 11	*00*	|__|__|	Zone 15
00	|__|__|	Zone 12	*00*	|__|__|	Zone 16

[38] Zone 17-24 Definitions

Default			Default		
00	|__|__|	Zone 17	*00*	|__|__|	Zone 21
00	|__|__|	Zone 18	*00*	|__|__|	Zone 22
00	|__|__|	Zone 19	*00*	|__|__|	Zone 23
00	|__|__|	Zone 20	*00*	|__|__|	Zone 24

[39] Zone 25-32 Definitions

Default			Default		
00	|__|__|	Zone 25	*00*	|__|__|	Zone 29
00	|__|__|	Zone 26	*00*	|__|__|	Zone 30
00	|__|__|	Zone 27	*00*	|__|__|	Zone 31
00	|__|__|	Zone 28	*00*	|__|__|	Zone 32

[40] ID Code

Default
00 |__|__| Valid entries (01) - (F0).

[41] All Call Select

Default
01 |__|__|

(00) No response on all call (02) All call #2 only (04) Automatic all call response

(01) All call #1 only (03) Responds to both all calls

[42] Miscellaneous Options

Default	Option	ON	OFF
ON	|__| *1*	All Call Sends Alarms Only	All Call Sends Alarms & Restorals
ON	|__| *2*	Zone Bypass Report Enabled	Zone Bypass Report Disabled
ON	|__| *3*	Openings/Closings Enabled	Openings/Closings Disabled
OFF	|__| *4 -8*	*For future use*	

[43] First DVACS Reporting Codes

Default			Default		
FF	|__|__|	Duress Alarm	*FF*	|__|__|	2 Wire Smoke Alarm / Restore
FF	|__|__|	Keypad [F] Key Alarm / Restore	*FF*	|__|__|	PC5132 Tamper / Restore
FF	|__|__|	Keypad [A] Key Alarm / Restore	*FF*	|__|__|	PC5208 Tamper / Restore
FF	|__|__|	Keypad [P] Key Alarm / Restore	*FF*	|__|__|	PC5204 Tamper / Restore

[44] Second DVACS Reporting Codes

Default			Default		
FF	|__|__|	(Not used)	FF	|__|__|	Bell Circuit Trouble / Restore
FF	|__|__|	LINKS Module Tamper / Restore	FF	|__|__|	Fire Trouble Alarm / Restore
FF	|__|__|	Battery Trouble / Restore	FF	|__|__|	Aux Power Trouble / Restore
FF	|__|__|	AC Trouble / Restore	FF	|__|__|	TLM (LINKS) Trouble / Restore

[45] Third DVACS Reporting Codes

Default			Default		
FF	|__|__|	Phone Number 1 Trouble / Restore	FF	|__|__|	Critical Shutdown
FF	|__|__|	Phone Number 2 Trouble / Restore	FF	|__|__|	PC5204 AC Trbl / Rest
FF	|__|__|	*For future use*	FF	|__|__|	PC5204 Battery Trbl / Rest
FF	|__|__|	Keybus Fault / Restore	FF	|__|__|	PC5204 Aux Power Trbl / Rest

[46] Fourth DVACS Reporting Codes

Default			Default		
FF	|__|__|	PC5204 Output Fault / Restore	FF	|__|__|	PC5204 Supv. Fault / Rest
FF	|__|__|	*For future use*	FF	|__|__|	PC5400 Supv. Fault / Rest
FF	|__|__|	PC5132 Supervisory Fault / Restore	FF	|__|__|	LINKS Mod. Supv. Fault / Rest
FF	|__|__|	PC5208 Supervisory Fault / Restore	FF	|__|__|	PC59XX Supv. Fault / Rest

[47] Fifth DVACS Reporting Codes

Default			Default		
FF	|__|__|	ESCORT 5580 Supv Fault / Restore	FF	|__|__|	System Test
FF	|__|__|	Keypad Lockout	FF	|__|__|	Installer Lead In / Lead Out
FF	|__|__|	Remote ESCORT Access	FF	|__|__|	Cold Start
FF	|__|__|	DLS Lead In / Lead Out	FF	|__|__|	Warm Start

[48] Sixth DVACS Reporting Codes

Default			Default		
FF	|__|__|	Swinger Shutdown	FF	|__|__|	Auto Arm Cancellation
FF	|__|__|	H-A Mode / Activate H-A Zones	FF	|__|__|	Partial Closing
FF	|__|__|	Opening After Alarm	FF	|__|__|	*For future use*
FF	|__|__|	Recent Closing	FF	|__|__|	*For future use*

[49] Zone 1-8 Alarm / Restore / Bypass Reporting Codes

Default			Default		
FF	|__|__|	Zone 1	FF	|__|__|	Zone 5
FF	|__|__|	Zone 2	FF	|__|__|	Zone 6
FF	|__|__|	Zone 3	FF	|__|__|	Zone 7
FF	|__|__|	Zone 4	FF	|__|__|	Zone 8

PC5720 Wiring Diagram
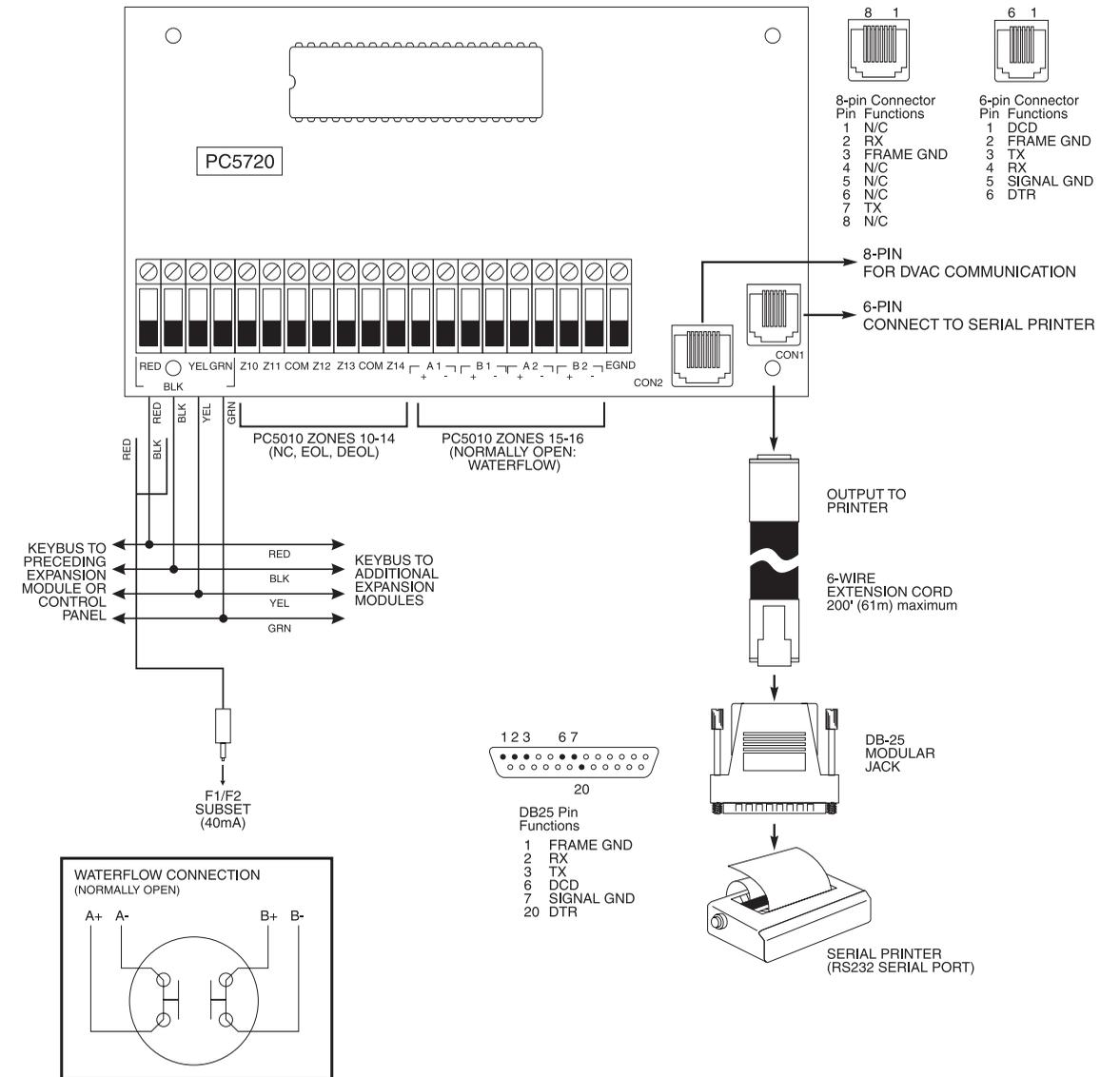
[92] Fourth DVACS Reporting Types

Default		Default	
FF |___|___| PC5204 Output Fault / Restore	*FF* |___|___| PC5204 Supv. Fault / Rest
FF |___|___| *For future use*	*FF* |___|___| PC5400 Supv. Fault / Rest
FF |___|___| PC5132 Supervisory Fault / Restore	*FF* |___|___| LINKS Mod. Supv. Fault / Rest
FF |___|___| PC5208 Supervisory Fault / Restore	*FF* |___|___| PC59XX Supv. Fault / Rest

[93] Fifth DVACS Reporting Types

Default		Default	
FF |___|___| ESCORT 5580 Supv Fault / Restore	*FF* |___|___| System Test
FF |___|___| Keypad Lockout	*FF* |___|___| Installer Lead In / Lead Out
FF |___|___| Remote ESCORT Access	*FF* |___|___| Cold Start
FF |___|___| DLS Lead In / Lead Out	*FF* |___|___| Warm Start

[94] Sixth DVACS Reporting Types

Default		Default	
FF |___|___| Swinger Shutdown	*FF* |___|___| Auto Arm Cancellation
FF |___|___| H-A Mode / Activate H-A Zones	*FF* |___|___| Partial Closing
FF |___|___| Opening After Alarm	*FF* |___|___| *For future use*
FF |___|___| Recent Closing	*FF* |___|___| *For future use*

---

[50] Zone 9-16 Alarm / Restore / Bypass Reporting Codes

Default		Default	
FF |___|___| Zone 9	*FF* |___|___| Zone 13
FF |___|___| Zone 10	*FF* |___|___| Zone 14
FF |___|___| Zone 11	*FF* |___|___| Zone 15
FF |___|___| Zone 12	*FF* |___|___| Zone 16

[51] Zone 17-24 Alarm / Restore / Bypass Reporting Codes

Default		Default	
FF |___|___| Zone 17	*FF* |___|___| Zone 21
FF |___|___| Zone 18	*FF* |___|___| Zone 22
FF |___|___| Zone 19	*FF* |___|___| Zone 23
FF |___|___| Zone 20	*FF* |___|___| Zone 24

[52] Zone 25-32 Alarm / Restore / Bypass Reporting Codes

Default		Default	
FF |___|___| Zone 25	*FF* |___|___| Zone 29
FF |___|___| Zone 26	*FF* |___|___| Zone 30
FF |___|___| Zone 27	*FF* |___|___| Zone 31
FF |___|___| Zone 28	*FF* |___|___| Zone 32

[53] Zone 1-8 Tamper / Restore Reporting Codes

Default		Default	
FF |___|___| Zone 1	*FF* |___|___| Zone 5
FF |___|___| Zone 2	*FF* |___|___| Zone 6
FF |___|___| Zone 3	*FF* |___|___| Zone 7
FF |___|___| Zone 4	*FF* |___|___| Zone 8

[54] Zone 9-16 Tamper / Restore Reporting Codes

Default		Default	
FF |___|___| Zone 9	*FF* |___|___| Zone 13
FF |___|___| Zone 10	*FF* |___|___| Zone 14
FF |___|___| Zone 11	*FF* |___|___| Zone 15
FF |___|___| Zone 12	*FF* |___|___| Zone 16

[55] Zone 17-24 Tamper / Restore Reporting Codes

Default		Default	
FF |___|___| Zone 17	*FF* |___|___| Zone 21
FF |___|___| Zone 18	*FF* |___|___| Zone 22
FF |___|___| Zone 19	*FF* |___|___| Zone 23
FF |___|___| Zone 20	*FF* |___|___| Zone 24

[56] Zone 25-32 Tamper / Restore Reporting Codes

Default			Default		
FF	|___|___|	Zone 25	*FF*	|___|___|	Zone 29
FF	|___|___|	Zone 26	*FF*	|___|___|	Zone 30
FF	|___|___|	Zone 27	*FF*	|___|___|	Zone 31
FF	|___|___|	Zone 28	*FF*	|___|___|	Zone 32

[57] Zone 1-8 Trouble / Restore Reporting Codes

Default			Default		
FF	|___|___|	Zone 1	*FF*	|___|___|	Zone 5
FF	|___|___|	Zone 2	*FF*	|___|___|	Zone 6
FF	|___|___|	Zone 3	*FF*	|___|___|	Zone 7
FF	|___|___|	Zone 4	*FF*	|___|___|	Zone 8

[58] Zone 9-16 Trouble / Restore Reporting Codes

Default			Default		
FF	|___|___|	Zone 9	*FF*	|___|___|	Zone 13
FF	|___|___|	Zone 10	*FF*	|___|___|	Zone 14
FF	|___|___|	Zone 11	*FF*	|___|___|	Zone 15
FF	|___|___|	Zone 12	*FF*	|___|___|	Zone 16

[59] Zone 17-24 Trouble / Restore Reporting Codes

Default			Default		
FF	|___|___|	Zone 17	*FF*	|___|___|	Zone 21
FF	|___|___|	Zone 18	*FF*	|___|___|	Zone 22
FF	|___|___|	Zone 19	*FF*	|___|___|	Zone 23
FF	|___|___|	Zone 20	*FF*	|___|___|	Zone 24

[60] Zone 25-32 Trouble / Restore Reporting Codes

Default			Default		
FF	|___|___|	Zone 25	*FF*	|___|___|	Zone 29
FF	|___|___|	Zone 26	*FF*	|___|___|	Zone 30
FF	|___|___|	Zone 27	*FF*	|___|___|	Zone 31
FF	|___|___|	Zone 28	*FF*	|___|___|	Zone 32

[61] Zone 1-8 Low Battery / Restore Reporting Codes

Default			Default		
FF	|___|___|	Zone 1	*FF*	|___|___|	Zone 5
FF	|___|___|	Zone 2	*FF*	|___|___|	Zone 6
FF	|___|___|	Zone 3	*FF*	|___|___|	Zone 7
FF	|___|___|	Zone 4	*FF*	|___|___|	Zone 8

[86] Zone Expander Tamper / Restore Reporting Types

Default			Default		
FF	|___|___|	Zone Expander 1	*FF*	|___|___|	Zone Expander 5
FF	|___|___|	Zone Expander 2	*FF*	|___|___|	Zone Expander 6
FF	|___|___|	Zone Expander 3	*FF*	|___|___|	*For future use*
FF	|___|___|	Zone Expander 4	*FF*	|___|___|	*For future use*

[87] Keypad Supervisory / Restore Reporting Types

Default			Default		
FF	|___|___|	Keypad 1	*FF*	|___|___|	Keypad 5
FF	|___|___|	Keypad 2	*FF*	|___|___|	Keypad 6
FF	|___|___|	Keypad 3	*FF*	|___|___|	Keypad 7
FF	|___|___|	Keypad 4	*FF*	|___|___|	Keypad 8

[88] Zone Expander Supervisory / Restore Reporting Types

Default			Default		
FF	|___|___|	Zone Expander 1	*FF*	|___|___|	Zone Expander 5
FF	|___|___|	Zone Expander 2	*FF*	|___|___|	Zone Expander 6
FF	|___|___|	Zone Expander 3	*FF*	|___|___|	Expander Module
FF	|___|___|	Zone Expander 4	*FF*	|___|___|	*For future use*

[89] First DVACS Reporting Types

Default			Default		
FF	|___|___|	Duress Alarm	*FF*	|___|___|	2 Wire Smoke Alarm / Restore
FF	|___|___|	Keypad [F] Key Alarm / Restore	*FF*	|___|___|	PC5132 Tamper / Restore
FF	|___|___|	Keypad [A] Key Alarm / Restore	*FF*	|___|___|	PC5208 Tamper / Restore
FF	|___|___|	Keypad [P] Key Alarm / Restore	*FF*	|___|___|	PC5204 Tamper / Restore

[90] Second DVACS Reporting Types

Default			Default		
FF	|___|___|	(Not used)	*FF*	|___|___|	Bell Circuit Trouble / Restore
FF	|___|___|	LINKS Module Tamper / Restore	*FF*	|___|___|	Fire Trouble Alarm / Restore
FF	|___|___|	Battery Trouble / Restore	*FF*	|___|___|	Aux Power Trouble / Restore
FF	|___|___|	AC Trouble / Restore	*FF*	|___|___|	TLM (LINKS) Trouble / Restore

[91] Third DVACS Reporting Types

Default			Default		
FF	|___|___|	Phone Number 1 Trouble / Restore	*FF*	|___|___|	Critical Shutdown
FF	|___|___|	Phone Number 2 Trouble / Restore	*FF*	|___|___|	PC5204 AC Trbl / Rest
FF	|___|___|	*For future use*	*FF*	|___|___|	PC5204 Battery Trbl / Rest
FF	|___|___|	Keybus Fault / Restore	*FF*	|___|___|	PC5204 Aux Power Trbl / Rest

[80] Zone 25-32 Trouble / Restore Reporting Types

Default   **Default**

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

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

Default   **Default**

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

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

Default   **Default**

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

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

Default   **Default**

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

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

Default   **Default**

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

[85] Keypad Tamper / Restore Reporting Types

Default   **Default**

FF |___|___| Keypad 1   FF |___|___| Keypad 5
FF |___|___| Keypad 2   FF |___|___| Keypad 6
FF |___|___| Keypad 3   FF |___|___| Keypad 7
FF |___|___| Keypad 4   FF |___|___| Keypad 8

[62] Zone 9-16 Low Battery / Restore Reporting Codes

Default   **Default**

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

[63] Zone 17-24 Low Battery / Restore Reporting Codes

Default   **Default**

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

[64] Zone 25-32 Low Battery / Restore Reporting Codes

Default   **Default**

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

[65] Keypad Tamper / Restore Reporting Codes

Default   **Default**

FF |___|___| Keypad 1   FF |___|___| Keypad 5
FF |___|___| Keypad 2   FF |___|___| Keypad 6
FF |___|___| Keypad 3   FF |___|___| Keypad 7
FF |___|___| Keypad 4   FF |___|___| Keypad 8

[66] Zone Expander Tamper / Restore Reporting Codes

Default   **Default**

FF |___|___| Zone Expander 1   FF |___|___| Zone Expander 5
FF |___|___| Zone Expander 2   FF |___|___| Zone Expander 6
FF |___|___| Zone Expander 3   FF |___|___| *For future use*
FF |___|___| Zone Expander 4   FF |___|___| *For future use*

[67] Keypad Supervisory / Restore Reporting Codes

Default   **Default**

FF |___|___| Keypad 1   FF |___|___| Keypad 5
FF |___|___| Keypad 2   FF |___|___| Keypad 6
FF |___|___| Keypad 3   FF |___|___| Keypad 7
FF |___|___| Keypad 4   FF |___|___| Keypad 8

[68] Zone Expander Supervisory / Restore Reporting Codes

Default			Default		
FF	⌞_⌟	Zone Expander 1	*FF*	⌞_⌟	Zone Expander 5
FF	⌞_⌟	Zone Expander 2	*FF*	⌞_⌟	Zone Expander 6
FF	⌞_⌟	Zone Expander 3	*FF*	⌞_⌟	Expander Module
FF	⌞_⌟	Zone Expander 4	*FF*	⌞_⌟	***For future use***

Reporting Types - Refer to the Sur-Gard Reporting Type Table

[69] Zone 1-8 Alarm / Restore / Bypass Reporting Types

Default			Default		
FF	⌞_⌟	Zone 1	*FF*	⌞_⌟	Zone 5
FF	⌞_⌟	Zone 2	*FF*	⌞_⌟	Zone 6
FF	⌞_⌟	Zone 3	*FF*	⌞_⌟	Zone 7
FF	⌞_⌟	Zone 4	*FF*	⌞_⌟	Zone 8

[70] Zone 9-16 Alarm / Restore / Bypass Reporting Types

Default			Default		
FF	⌞_⌟	Zone 9	*FF*	⌞_⌟	Zone 13
FF	⌞_⌟	Zone 10	*FF*	⌞_⌟	Zone 14
FF	⌞_⌟	Zone 11	*FF*	⌞_⌟	Zone 15
FF	⌞_⌟	Zone 12	*FF*	⌞_⌟	Zone 16

[71] Zone 17-24 Alarm / Restore / Bypass Reporting Types

Default			Default		
FF	⌞_⌟	Zone 17	*FF*	⌞_⌟	Zone 21
FF	⌞_⌟	Zone 18	*FF*	⌞_⌟	Zone 22
FF	⌞_⌟	Zone 19	*FF*	⌞_⌟	Zone 23
FF	⌞_⌟	Zone 20	*FF*	⌞_⌟	Zone 24

[72] Zone 25-32 Alarm / Restore / Bypass Reporting Types

Default			Default		
FF	⌞_⌟	Zone 25	*FF*	⌞_⌟	Zone 29
FF	⌞_⌟	Zone 26	*FF*	⌞_⌟	Zone 30
FF	⌞_⌟	Zone 27	*FF*	⌞_⌟	Zone 31
FF	⌞_⌟	Zone 28	*FF*	⌞_⌟	Zone 32

[73] Zone 1-8 Tamper / Restore Reporting Types

Default			Default		
FF	⌞_⌟	Zone 1	*FF*	⌞_⌟	Zone 5
FF	⌞_⌟	Zone 2	*FF*	⌞_⌟	Zone 6
FF	⌞_⌟	Zone 3	*FF*	⌞_⌟	Zone 7
FF	⌞_⌟	Zone 4	*FF*	⌞_⌟	Zone 8

[74] Zone 9-16 Tamper / Restore Reporting Types

Default			Default		
FF	⌞_⌟	Zone 9	*FF*	⌞_⌟	Zone 13
FF	⌞_⌟	Zone 10	*FF*	⌞_⌟	Zone 14
FF	⌞_⌟	Zone 11	*FF*	⌞_⌟	Zone 15
FF	⌞_⌟	Zone 12	*FF*	⌞_⌟	Zone 16

[75] Zone 17-24 Tamper / Restore Reporting Types

Default			Default		
FF	⌞_⌟	Zone 17	*FF*	⌞_⌟	Zone 21
FF	⌞_⌟	Zone 18	*FF*	⌞_⌟	Zone 22
FF	⌞_⌟	Zone 19	*FF*	⌞_⌟	Zone 23
FF	⌞_⌟	Zone 20	*FF*	⌞_⌟	Zone 24

[76] Zone 25-32 Tamper / Restore Reporting Types

Default			Default		
FF	⌞_⌟	Zone 25	*FF*	⌞_⌟	Zone 29
FF	⌞_⌟	Zone 26	*FF*	⌞_⌟	Zone 30
FF	⌞_⌟	Zone 27	*FF*	⌞_⌟	Zone 31
FF	⌞_⌟	Zone 28	*FF*	⌞_⌟	Zone 32

[77] Zone 1-8 Trouble / Restore Reporting Types

Default			Default		
FF	⌞_⌟	Zone 1	*FF*	⌞_⌟	Zone 5
FF	⌞_⌟	Zone 2	*FF*	⌞_⌟	Zone 6
FF	⌞_⌟	Zone 3	*FF*	⌞_⌟	Zone 7
FF	⌞_⌟	Zone 4	*FF*	⌞_⌟	Zone 8

[78] Zone 9-16 Trouble / Restore Reporting Types

Default			Default		
FF	⌞_⌟	Zone 9	*FF*	⌞_⌟	Zone 13
FF	⌞_⌟	Zone 10	*FF*	⌞_⌟	Zone 14
FF	⌞_⌟	Zone 11	*FF*	⌞_⌟	Zone 15
FF	⌞_⌟	Zone 12	*FF*	⌞_⌟	Zone 16

[79] Zone 17-24 Trouble / Restore Reporting Types

Default			Default		
FF	⌞_⌟	Zone 17	*FF*	⌞_⌟	Zone 21
FF	⌞_⌟	Zone 18	*FF*	⌞_⌟	Zone 22
FF	⌞_⌟	Zone 19	*FF*	⌞_⌟	Zone 23
FF	⌞_⌟	Zone 20	*FF*	⌞_⌟	Zone 24