PowerSeries

S E C U R I T Y S Y S T E M



STANDARD / CP-01(SIA FAR)

Digital Security Controls Toronto, Canada www.dsc.com

LED 1 ON Steady "GOOD" LED 3 ON Steady "BAD"

PC1616/PC1832/PC1864 v4.1 **PROGRAMMING WORKSHEET**

This Programming Worksheet provides all programming sections and default values for the PowerSeries PC1616, PC1832 and PC1864.

This programming worksheet shall be used in conjunction with the PowerSeries PC1616, PC1832 and PC1864 Reference Manual which can be obtained from your local dealer or downloaded from the DSC website at www.dsc.com. The Reference Manual provides a detailed description of each programming option. Programming Options for the PC1616/PC1832/PC1864 are identical except for the number of Zones, Partitions and On-board PGMs. Refer to the table below for available options for each model. PC1616 PC1832 PC1864

	PC1616	PC1832	PC1864
On-board Zones Hardwired Zones Wireless Zones	6 16 (1xPC5108) 16 (RF5108)	8 32 (3xPC5108) 32 (PC5132)	8 64 (7xPC5108) 32 (PC5132)
On-board PGMs	2	2	4
Keypads	8	8	8
Partitions	2	4	8

DSC recommends filling in the Programming Worksheet with the required programming information before programming the system. This will reduce the time required to program and will help eliminate errors.

To enter Installer Programming press [*][8][555555]. The Program light will FLASH on LED Keypads The display will change to 'Enter Section' on the LCD keypad.

An error tone indicates the installer code entered is incorrect, Press [#] to clear the entry then reenter the installer code. The Armed and Ready lights indicate programming status:

Armed Light ON Panel waiting for 3-digit section number Panel waiting for data to be entered Ready Light FLASHING Panel waiting for HEX data to be entered

NOTE: You cannot enter installer programming while any aprtition is armed or in alarm.

Enter the 3-digit programming section number. The Armed light will turn **OFF** and the Ready light will turn **ON**. The keypad will display toggle option status as indicated below:

Keypad Type Option ON Option OFF Zone Light ON Zone Light OFF Fixed-Message LCD Indicator # ON Indicator # OFF Programmable-Message LCD # Displayed Dash [-] Displayed

To toggle an option **ON** or **OFF**, press the corresponding number on the keypad. The change will be displayed. When all the toggle options are configured as required:

Press the [#] key to exit the programming section. The Ready light will turn OFF and the Armed light will turn ON. NOTE: If the panel is a local system, press [#] to skip this step.

NOTE:In addition to the standard digits 0-9, HEX digits can also be programmed in the phone number if required.

HEX [A] Not Supported Simulated [*] key HEX [B] HEX [C] Simulated [#] key Press [*][3][*] HEX [D] Dial tone search Press [*][4][*] Press [*][5][*] HEX [E] Two second pause

Programming Decimal and Hexadecimal (HEX) Data:

Enter the 3-digit programming section number. The Armed light will turn **OFF** and The Ready light will turn **ON**.

For sections that require multiple 2 or 3 digit numbers, the keypad will double-beep after each 2 or 3 digit entry before moving to the next item on the list. After the last digit in the section is entered, the keypad will beep rapidly 5 times and exit the program section. The Ready light will turn **OFF** and the Armed light will turn **ON**. For sections that do not require data for every box (such as phone numbers) press the [#] key to exit the programming section after entering all of the required data.

The Ready light will turn **OFF** and the Armed light will turn **ON**. Enter [#] at any time to exit a programming section and save programming changes.

Enter the data recorded in the Programming Worksheet

To enter a HEX digit, press the [*] key to begin HEX programming. The Ready light will FLASH. Refer to the chart below and press the number corresponding to the HEX digit required. The Ready light will continue to **FLASH**.

Press [*] again to return to normal decimal programming. The Ready light will turn ON.

 HEX [A]
 [*] [1] [*]
 HEX [C]
 [*] [3] [*]
 HEX [E]
 [*] [5] [*]

 HEX [B]
 [*] [2] [*]
 HEX [D]
 [*] [4] [*]
 HEX [F]
 [*] [6] [*]

How to Exit Installer Programming:

To exit installer programming, press the [#] key when the panel is waiting for a 3-digit section number (the Armed light is ON).

Viewing Programming LED and LCD5501Z Keypads

All programming sections can be viewed from an LED or LCD5501Z keypad.

When a programming section is entered, the keypad will immediately display the first digit of information programmed in that section. The keypad displays the information using the binary format, indicated below: See Hex data entry instructions

Value	0	1	2	3	4	5	6	7	8	9	Α	В	С	D	E	F	
Zone 1																	
Zone 2																	
Zone 3																	
Zone 4																	
Zone	Ligh	t OFF				Zon	e Ligh	nt ON	i								

Use the arrow keys (< >) or press any of the Emergency keys (Fire, Auxiliary or Panic) to advance to the next digit. When all the digits in a section have been viewed, the panel will exit the section:

the Ready light will turn **OFF**, and the Armed light will turn **ON**, The system will wait for the next three-digit programming section number to be entered.

Press the [#] key to exit the section

LCD Keypads When a programming section is entered, the keypad will display all the information programmed in that section.

Use the arrow keys (< >) to scroll through the data being displayed. To exit the section, scroll past the end of the data displayed, or press the [#] key.

	DLS DOWNLOADING												
Op Def	ON	Downloading Option Codes [401] OFF	Downloading Panel Def Access Code [403] Panel ID Code [404]										
1 🗆	Answering Machine/Double Call Enabled	✓ ☐ Answering Machine/Double Call Disabled	PC1616 161600 LILILI Enter 6 Hexadecimal Digits										
2 🗸 🗌	User Can Enable DLS Window	☐ User Can NOT Enable DLS Window	PC1832 183200										
3 🗆	Call Back Enabled	✓☐ Call Back Disabled	PC1864 186400 LLLLLLLLLLLLLLLLLLLLLLLLLLLLLLLLLLL										
4 🗆	User Initiated Call Up Enabled	✓ User Initiated Call Up Disabled											
5 🗆	Auto Event Buffer Upload Enabled	✓☐ Auto Event Buffer Upload Disabled	[405] Answering Machine Double Call Timer Def 060 (001-255) Seconds										
6 🔲	Future Use	∨ □											
7 🗆	Future Use	<u> </u>	[406] Number of Rings to Answer On Def 000 L (001-255) Rings										
8 🗆	Future Use	∨ □											
			[499] Initiate PC-Link Downloading Enter [499][Installer's Code][499]										
[402] DI	LS Downloading Telephone Numbe	er (32 Digits)											
D													

SPECIAL INSTALLER FUNCTIONS												
[900] Panel Version Displayed	Enter [*][8][Installer's Code][900]	[990] Installer Lockout Enable	Enter [990][Installer's Code][990]									
[901] Installer Walk Test Mode Enable/Disable	Enter [*][8][Installer's Code][901]	[991] Installer Lockout Disable	Enter [991][Installer's Code][991]									
[902] Module Supervision Reset	Enter [*][8][Installer's Code][902]	[992] Future Use										
[903] Module Supervision Field	Enter [*][8][Installer's Code][903]	[993] Restore Alternate Communicator to Default Programming	Enter [993][Installer's Code][993]									
[904] Wireless Module Placement Test	Enter [*][8][Installer's Code][904]	[994] Future Use										
[905] Future Use		[995] Restore Escort5580 to Default Programming	Enter [995][Installer's Code][995]									
[906] Local Test of Downlook Remote Trigger	Enter [*][8][Installer's Code][906]	[996] Restore PC5132 to Default Programming	Enter [996][Installer's Code][996]									
[907] Future Use		[997] Restore PC5400 to Default Programming	Enter [997][Installer's Code][997]									
[908] Future Use		[998] Restore PC5936 to Default Programming	Enter [998][Installer's Code][998]									
[909] Future Use		[999] Restore PC1616/1832/1864 to Default Programming	Enter [999][Installer's Code][999]									
Wireless Placement Test Indications (Refer to PC5132 Installation Manual) Select module/transmitter (zones 01-32). Press [#] to cancel		Downlook Remote Trigger Test										
PLACEMENT LED KEYPAD LCD KEYPAD BELL/BUZZER		Enter [01] to select Telephone #1 via land line										

	KEYPAD PROGRAMMING														
000] KEYPAD ENROLLMENT	NOTE: Must be performed at each KEYPAD requiring programming	[0] Slot address (Valid Entries [1]-[05] Function Key Assignment	,	Partition/ [020] Zone Slot Assigned KEY 1 KEY 2 KEY 3 KEY 4 KEY 5											
			[1,1, [0,0, [0,3,[0,4,[0,6,[1,4,[1,6]												
FUNCTION KEY OPTIONS			[1,8] [0,0] [0,3] [0,4] [0,6] [1,4] [1,6]												
00 Not Used	11 [*][5] Access Code Programming	22 Active Camera Monitior Selection	KEYPAD 1												
O1 Select Partition 1	12 [*][6] User Functions	23 Bypass Recall	KEYPAD 2												
	13 Command Output #1 [*][7][1] 14 Command Output #2 [*][7][2] Sensor Reset	24 Recall Bypass Group 25 Future Use	KEYPAD 3												
	15 General Voice Prompted Help	26 Time of Day Programming	KEYPAD 4	[] [0 0] [] [] [] [] [] [] []											
05 [*][9] No-Entry Arm 06 [*][4] Chime ON/OFF	16 [*][0] Quick Exit 17 [*][1] Reactivate Stay/Away Zones	27 Select Partition 3 28 Select Partition 4	KEYPAD 5												
07 [*][6][][4] System Test	18 Identified Voice Prompted Help	29 Select Partition 5	KEYPAD 6	[] [0 0 1 1 1 1 1 1 1 1											
08 [*][1] Bypass Mode 09 [*][2] Trouble Display	19 Command Output #3 [*][7][3] 20 Future Use	30 Select Partition 6 31 Select Partition 7	KEYPAD 7												
	21 Command Output #4 [*][7][4]	32 Select Partition 8	KEYPAD 8												

Enter [02] to select Telephone #2 via land line

	PGM PROGRAMMING											
PGM OUTPUT OPTIONS	PGM ATTRIBUTES 1 2 3 4 5 6 7 8		PGM ATTRIBUTES 1 2 3 4 5 6 7 8	PGM ATTRIBUTES (Definitions)								
 01 Residential Burglary & Fire Bell Output 02 Future Use 03 Sensor Reset [*][7][2] 04 2-wire Smoke Support (PGM 2 only) 05 System Armed Status 06 Ready to Arm 07 Keypad Buzzer Follow Mode 08 Courtesy Pulse 09 System Trouble Output (with Trouble options) 10 System Event Strobe (with Event options) 11 System Tamper (all sources: zones, keypad, modules) 12 TLM and Alarm 13 Kissoff Output 14 Ground Start Pulse 15 Remote Operation (DLS Support) 16 Future Use 		17 Away Armed Status 18 Stay Armed Status 19 Command Output #1 [*][7][1] 20 Command Output #2 [*][7][2] 21 Command Output #3 [*][7][3] 22 Command Output #4 [*][7][4] 23 24-Hr Silent Input 24 24-Hr Audible Input 25 Delayed Fire & Burglary Output 26 Future Use 27 Future Use 28 Future Use 29 Zone Follower 30 Partition Status Alarm Memory 31 Future Use		1 Used only on OPT 9 (Service Req'd) and OPT 10 (Burglar Event) 2 Used only on OPT 9 (AC Fail) and OPT 10 (Fire Event) 3 True Output (enabled) Inverted Output (Off) OPT 9 (TLM Fault) and OPT 10 (Panic Event) 4 Follows Timer (enabled) None (Disabled) OPT 9 (FTC) and OPT 10 (Medical Event) 5 Code Req'd (enabled) No Code Req'd (disabled) OPT 9 (Zone Fault) and OPT 10 (Supervisory Event) 6 Used only on OPT 9 (Zone Tamper) and OPT 10 (Priority Event) 7 Used only on OPT 9 (Zone Low Battery) and OPT 10 (Holdup Eve 8 Used only on OPT 9 (Loss of Clock) and OPT 10 (Follows Timer) NOTE: If attribute 8 is ON, attributes 1-7 must also be turned ON)								

15 Remote Operation (DLS Support)	31 Future Use 32 Future Use		
PGM OPTIONS	PGM ATTRIBUTES 1 2 3 4 5 6 7 8	PGM PARTITION ASSIGNMENT 1 2 3 4 5 6 7 8	NOTES
[009] PGM 1 Def 19 Main Panel	[501]	[551] 🗸	Output Times [02] and [020] can NOT
[009] PGM 2 Def 10 Land Main Panel	[502]	[552] V	Output Types [03] and [020] can NOT be used together on the same syster
[010] PGM 3 Def 01 Main Panel & PC5208	[503]	<u>[553] </u>	PC 1616 has 2 On-board PGMs
[010] PGM 4 Def 01 Main Panel & PC5208	[504]	[554] V	PC 1832 has 2 On-board PGMs
[010] PGM 5 Def 01 PC5208	[505]	<u>[555] </u>	PC 1864 has 4 On-board PGMs
[010] PGM 6 Def 01 PC5208	[506]	[556] *	
[010] PGM 7 Def 01 PC5208	[507]	<u>[557] </u>	
[010] PGM 8 Def 01 PC5208	[508]	[558] 	
[010] PGM 9 Def 01 PC5208	_[509]	<u>[559]</u> ✓	
[010] PGM 10 Def 01 PC5208	[510]	[560] 🗸	
[011] PGM 11 Def 01 PC5204	[511]	<u>[561] </u>	
[011] PGM 12 Def 01 PC5204	[512]	[562] 	
[011] PGM 13 Def 01 PC5204	_[513]	<u>[563]</u> ✓ □ □ □ □ □ □ □ □	
[011] PGM 14 Def 01 PC5204	[514]	[564] 🗸	

	ZONE PROGRAMMING													
		ZONE Definition	ZONE ATTRIBUTES 1 2 3 4 5 6 7 8 9	ZONE Definition	ZONE ATTRIBUTES 1 2 3 4 5 6 7 8 9	ZONE Definition	ZONE ATTRIBUTES 1 2 3 4 5 6 7 8 9							
Zone Attr Enabled '\$' SIA Enabled '✔' 1 Audible 2 Steady 3 Chime 4 Bypass 5 Force Arm 6 Swinger 7 TX Delay 8 Wireless Zn 9 Cross Zone	ibutes FAR (CP-01) Only Disabled Silent Pulsed None None None None None None None None	 00 Null Zone (Not Used) 01 Delay 1^b 02 Delay 2^b 03 Instant^b 04 Interior^b 05 Interior, Stay/Away^b 06 Delay, Stay/Away^b 07 Delayed 24Hr Fire Hardwired^f 08 Standard 24Hr Fire Hardwired 09 24Hr Supervisory 10 24Hr Supervisory Buzzer^b 11 24Hr Burglary^b 12 24Hr Holdup^b 		 13 24Hr Gas^b 14 24Hr Heating^b 15 24Hr Auxiliary/Medical 16 24Hr Panic^b 17 24Hr Emergency^b 18 24Hr Sprinkler^b 19 24Hr Water^b 20 24Hr Freeze^b 21 24Hr Latching Tamper^b 22 Momentary Keyswitch Arm^b 23 Maintained Keyswitch Arm^b 24 Not Used 25 Interior Delay^b 		 26 24Hr Non-alarm^b 29 Auto Verified Fire 30 Fire Supervisory 31 Day Zone^b 32 Instant Stay/Away 33 Future Use 34 Future Use 35 24Hr Bell/Buzzer 36 Future Use 37 Night Zone 87 Delay 24Hr Fire (Wireless)^f 88 Standard 24Hr Fire (Wireless) 								
NOTES: Keypads are	e required for 24Hr buzzer zone,	PC1864/PC1832 support 32 wireless	zones, PC1616 supports 16 wireless zones	^b Denotes burglary applications of	only f Denotes residential fire applications	sonly								

		140	TES. Reypaus	are require	u 101 241 11 b	uzzei zone,	1 01004/1 01032	z support sz	WITCICSS ZUTIO	es, FC 10 10 supports 10 wireless 201	les Denotes burgia	ily applications of	my Denotes resi	ideriliai ille applicat	ions only			
	ZN#	# RI	ECORD ZONE LA	ABEL HERE	if APPLICAB	BLE (Refer to	Keypad Installation N	Manual) Z	ONE TYPE	ZONE ATTRIBUTES	[804][01-32] SERIAL #		PARTITION AS	SSIGNMENT			ORTING CODES (Def	
										1 2 3 4 5 6 7 8 9	(Wireless)	1 :	2 3 4	5 6	7 8	ALARM ALARM	REST TAMPER	TAMP REST
Enter [990][Installer's Code][990]										101]		[202] 🔽 [210]	[218] [226]	[234] [242]	[250] [258]	[320] [324] _	[330]	[334] 📖
Enter [991][Installer's Code][991]	2							[00	01] [0 3 [102]		[202] 🗹 [210]	🗌 [218] 🗌 [226] 🗌	[234] [242]	[250] [258]	[320] [324] _	[330]	[334]
	3	<u> </u>						[00	01] [0 3 [103]		[202] 🗹 [210]	[218] <u></u> [226] <u></u>	[234] [242]	[250] 🗌 [258] 🗌	[320] [324] _	[330]	[334]
Enter [993][Installer's Code][993]	4							[00	01] 0 3 [104]		[202] 🔽 [210]	[218]	[234] [242]	[250] [258]	[320] [324]	[330]	[334]
	5	<u> </u>						[00	01] [0 4 [105]		[202] 🗹 [210]	[218] <u></u> [226] <u></u>	[234] [242]	[250] 🗌 [258] 🗌	[320] [324] _	[330]	[334] 📖
Enter [995][Installer's Code][995]	6							[00	01] 0 4 [106]		[202] 🗹 [210]	[218]	[234] [242]	[250] [258]	[320] [324] _	[330]	[334]
Enter [996][Installer's Code][996]	7	·						[00	01] [0 4 [107]		[202] 🗹 [210]	[218] <u></u> [226] <u></u>	[234] [242]	[250] [258]	[320] [324] _	[330]	[334] 📖
Enter [997][Installer's Code][997]	8	П						[00	01] 0 4 [108]		[202] [210]	[218] [226]	[234] [242]	[250] [258]	[320] [324] _	[330]	[334]
Enter [998][Installer's Code][998]	9	<u> </u>		1 1 1 1				[00	01] [0 [0]	109]		[203] [211]	☐ [219] ☐ [227] 	[235] [243]	[251] [259] [[320] [324] _	[330]	[334]
Enter [999][Installer's Code][999]	10)						[00	01] [0 0 [110]		[203] [211]	🗌 [219] 🗌 [227] 🗀	[235] [243]	[251] [259]	[320] [324]	[330]	[334]
	11	<u> </u>						[00	01] [0 [0]	111]		[203] [211]	☐ [219] ☐ [227] 	[235] [243]	[251] [259] [[320] [324] _	[330]	[334]
	12	2 📖						[00	01] [0 0 [112]		[203] [211]] [219] [[227] [[235] [243]	[251] [259]	[320] [324] _	[330]	[334]
	13	3 ∟⊥						[00	01] [[[[[[[[[[[[[[[[[[[113]		[203] [211]	[219] <u></u> [227] <u></u>	[235] [243]	[251] [259]	[320] [324] _	[330]	[334] 📖
	14	4 📖						[00	01] [0 0 [114]		[203] [211]	[219] <u></u> [227] <u></u>	[235] [243]	[251] [259]	[320] [324] _	[330]	[334]
	15	5 📖		1 1 1 1				[00	01] [0 [0]	115]		[203] [211]	☐ [219] ☐ [227] 	[235] [243]	[251] [259] [[320] [324] _	[330]	[334]
	16	6 📖						[00	01] [[[[[[[[[[[[[[[[[[[116]		[203] [211]	[219] <u></u> [227] <u></u>	[235] [243]	[251] [259]	[320] [324] _	[330]	[334]
	17	7 📖						[00	02] [0 0 [117]		[204] [212]	 [220] 	[236] [244]	[252] [260]	[321] [325] _	[331]	[335]
	18	3 📖						[00	02] 0 0 [118]		[204] [212]	220] [228] [[236] [244]	[252] [260]	[321] [325] _	[331]	[335]
	19)						[00	02] [0 0 [119]		[204] [212]	[220] <u></u> [228] <u></u>	[236] [244]	[252] [260]	[321] [325] _	[331]	[335]
Y 2 KEY 3 KEY 4 KEY 5	20) 📖						[00	02] 0 0 [120]		[204] [212]	[220] [228]	[236] [244]	[252] [260]	[321] [325]	[331]	[335]
4, [0,6, [1,4, [1,6]	21	I						[00	02] 0 0 [121]		[204] 🗌 [212]	[220] [228]	[236] [244]	[252] [260]	[321] [325] _	[331]	[335]
4, 0,6,1,4,1,6,	22	2 📖						[00	02] 0 0 [122]		[204] [212]	[220] [228]	[236] [244]	[252] [260]	[321] [325]	[331]	[335]
	23	3 📖		1 1 1 1				[00	02] 0 0 [123]		[204] [212]	☐ [220] ☐ [228] ☐	[236] [244]	[252] [260]	[321] [325] _	[331]	[335]
	24	4 📖						[00	02] 0 0 [124]		[204] [212]	220] [228] [[236] [244]	[252] [260]	[321] [325] _	[331]	[335]
	25	5 📖						[00	02] 0 0 0 [125]		[205] [213]	[221] <u></u> [229] <u></u>	[237] [[245] [[253] 🗌 [261] 🗌	[321] [325] _	[331] <u></u>	[335] 📖
	26	5 <u></u>						[00	02] 0 0 [126]		[205] [213]	[221] <u></u> [229] <u></u>	[237] [245]	[253] [261]	[321] [325] _	[331]	[335]
	27	7 📖						[00	02] [0 0 [127]		[205] [213]	[221] <u></u> [229] <u></u>	[237] [245]	[253] 🗌 [261] 🗌	[321] [325] _	[331]	[335]
	28	3 📖						[00	02] 0 0 [128]		[205] [213]	[221]	[237] [245]	[253] [261]	[321] [325] _	[331]	[335] 📖
	29	9 📖						[00	02] [0 0 [129]		[205] [213]	[221] [229]	[237] [245]	[253] [261]	[321] [325]	[331]	[335] 📖
	30							[00	02] 0 0 [130]		[205] [213]	[221] <u></u> [229] <u></u>	[237] [245]	[253] [261]	[321] [325] _	[331]	[335]
	31	1 <u></u>						[00	02] [0 0 [131]		[205] 🗌 [213] 🗌	[221] <u></u> [229] <u></u>	[237] [245]	[253] 🗌 [261] 🗌	[321] [325] _	[331] <u></u>	[335] 📖
	32	2						[00	02] 0 0 [132]		[205] [213]	🗌 [221] 🔲 [229] 🗔	[237] [245]	[253] [261]	[321] [325]	[331]	[335]
	33	3 📖						[00	03] 0 0 [133]		[206] [214]	[222] <u></u> [230] <u></u>	[238] [246]	[254] [262]	[322] [326] _	[332]	[336]
(Definitions)	34	4 📖						[00	03] 0 0 [134]		[206] [214]	[222] [230]	[238] [246]	[254] [262]	[322] [326]	[332]	[336]
(Definitions)	35	5 📖						[00	03] [0 0 0	135]		[206] [214]	[222] <u></u> [230] <u></u>	[238] [246]	[254] [262]	[322] [326] _	[332]	[336]
d) and OPT 10 (Burglar Event)	36	5 <u></u>						[00	03] 0 0 [136]		[206] [214]	[222] [230]	[238] [246]	[254] [262]	[322] [326] [[332]	[336]
OPT 10 (Fire Event)	37	7 📖						[00	03] [[[[[[[[[[[[[[[[[[[137]		[206] [214]	[222] [230]	[238] [246]	[254] [262]	[322] [326] _	[332]	[336]
put (Off) anic Event)	38	3 📖						[00	03] 0 0 [138]		[206] [214]	[222] [230]	[238] [246]	[254] [262]	[322] [326]	[332]	[336]
abled)	39	9 📖								139]		[206] [214]	[222] [230]	[238] [246]	[254] [262]	[322] [326] _	[332]	[336]
Event) q'd (disabled)	40									140]		[206] [214]	[222] [230]	[238] [246]	[254] [262]	[322] [326]	[332]	[336]
supervisory Event)	41									141]		[207] [215]	[223] [231]	[239] [247]	[255] [263]	[322] [326]	[332]	[336]
) and OPT 10 (Priority Event) ttery) and OPT 10 (Holdup Event)	42								03] 0 0 [142]		[207] [215]	[223] [231]	[239] [247]	[255] [263]	[322] [326]	[332]	[336]
k) and OPT 10 (Follows Timer)	43									143]		[207] [215]	[223] [231]	[239] [247]	[255] [263]	[322] [326] _	[332]	[336]
1-7 must also be turned ON)	44									144]		[207] [215]	[223] [231]	[239] [247]	[255] [263]	[322] [326] _	[332]	
	45									145]		[207] [215]	[223] [231]	[239] [247]	[255] [263]	[322] [326]	[332]	[336]
	46	5 <u> </u>							03] LOLO [[207] [215]	[223] [231]	□ [239] □ [247] □	[255] [263]	[322] [326]	[332]	
	47									147]		[207] [215]	[223] [231]	[239] [247]		[322] [326] _	[332]	[336]
	48									148]		[207] [215]	[223] [231]	[239] [247]	[255] [263]	[322] [326]	[332]	[336]
NOTES	49									149]		[208] [216]	[224] [232]	[240] [248]	[256] [264]	[323] [327] _	[333]	[337]
	50									150]		[208] [216]	[224] [232]	☐ [240] ☐ [248] ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐	[256] [264]	[323] [327] _	[333]	
out Types [03] and [020] can NOT	51									151]		[208] [216]	[224] [232]	[240] [248]	[256] [264]	[323] [327] _	[333]	
ised together on the same system	52									152]		[208] [216]	[224] [232]	[240] L [248] L	[256] [264]	[323] [327]	[333]	
1616 has 2 On-board PGMs 1832 has 2 On-board PGMs	53 54									153]		[208] [216]	[224] [232]	[240] [248]	[256] [264]	[323] [327]	[333]	[337]
1864 has 4 On-board PGMs										154]		[208] [216]		[240] [248] [7040] [040]	[256] [264]	[323] [327] [327]		[337]
	55							[00		155]		[208] [216]	[224] [232]	[240] [248]	[256] [264]	[323] [327] [[333]	[337]
	56									156]		[208] [216]	[232]	[240] [248]	[256] [264] [265]	[323] [327]	[333]	
	57 58									157]		[209] [217]	[225] [233]	[241] [249] [249]		[323] [327]	[333]	[337]
										158]		[209] [217]	[225] [233]	[241] [249] [249]	[257] [265] [265]	[323] [327]	[333]	
	59									159]		[209] [217]	[225] [233]	[241] [249]	[257] [265]	[323] [327]	[333]	[337]
	60		1 1 1 1	, , , ,		1 1 1			04] LOLO [•		[209] [217]	[225] [233]	[241] [249] [249] [249] [249] [249]	[257] [265] [265]	[323] [327] [327]	[333]	
	61									161]		[209] [217]				[323] [327]		
										162]						[323] [327]		
										163]						[323] [327] [327] [327]		
	04	•						[00)+ <u>] </u>	104]		[209] [217]	[223] [233]	[241] <u></u> [249] <u></u>		[323] [327]	[ააა]	[331]