Honeywell

Programmable Logic Controller Gateway Forms

PL88-500

Total Plant

Honeywell

Implementation
PLC Gateway

Programmable Logic Controller Gateway Forms

PL88-500
Release 520
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TotalPlant

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About This Publication

This publication supports **TotalPlant** Solution (TPS) System network Release 500 - 520. TPS is the evolution of TDC 3000^{X}.

This is a reference manual for process engineers, control-system engineers, and application engineers who configure the various data points and box/slots for Programmable Logic Controllers connected to a PLCG on the TPS system.

This publication contains representations of Universal Station configuration screen displays for a PLCG. These PLCG forms are based on HG forms; therefore, the two look very similar. In most cases, you may select the default value; however, certain PLCG parameters require specific values, because only these choices are valid for a PLCG. They are highlighted in a bold typeface for your convenience.

Table of Contents

INTRODUCTION
Section 1

*This section provides instructions on how to fill out the Programmable Logic Controller Gateway Forms. These forms correspond to displays that are called up under the Hiway Gateway selection on the **TotalPlant** Solution (TPS) System Engineering Personality Menu when used to implement a PLCG.*

1.1 GENERAL FORM INSTRUCTIONS

1.1.1 Line Numbers

The PLCG forms have been designed so that the lines on them correspond with those on the Parameter Entry Displays (PEDs) for HG/DHP at the Universal Station. The Parameter Entry Displays will subsequently be used to enter the information from the form into the system. The lines on each form are consecutively numbered. In some cases, the line numbers may contain an alphabetic suffix letter. An alphabetic suffix indicates that the line may be exposed or suppressed on the PED, depending on the selection made in a previous line. This is explained further in sections that discuss each type of form.

1.1.2 Defaults

Default values are values that are assigned by the system. If you choose not to make an entry on a particular line, the default value is used. The default value for each parameter is listed on the configuration form, in the form instructions, and on the data-entry displays. In some cases, only specific entities are used for the PLCG. These are noted on the forms in bold typeface.

1.1.3 Pick and Port Notation

The forms have two types of entries:

1. Picks (also called touch-targets)—For selecting options. All options are on the forms. For each such entry, circle one of the options.

2. Ports—For entering data. The form shows the maximum number of characters that you can enter and the set of valid characters; write in an alphanumeric character-string.

1.1.4 Special Notes

Before configuring the Programmable Logic Controller Gateway, be sure to keep the following in mind:

- On form PL88-531, always configure the first PLCG of a PLCG pair as Data Hiway box number 2 (BOXNUM = 2), and configure its partner as hiway box 3. Even if there is no redundant partner, hiway box number three is still reserved and cannot be used. Both PLCGs must have BOXTYPE = HG.

- The PLCG can scan discrete status (digital inputs) that are “packed” in a register. Modicon controllers can affect this operation and possibly some emulator types. For this feature, 16 digitals may be packed into one 16-bit “holding” PLC register. The PLCG must be configured with all 16 statuses in one slot. The slot must be a digital input type slot, but the address should be the form 4xxxx, where 4 is the specifier and xxxx is the register address. Digitals must be packed relative to slot-subslot number as follows:

Subslot Number	16	15	14----------02	01
Register Bit Number	16	15	14----------02	01

- All digital input slots must have the same PLC register address for this slot.

- Modicon PLC packs coils backwards in the register on BLOCK MOVE, i.e., BLOCK MOVE of coil addresses 101-116 yields coil 116 status in register bit 01, coil 115 in bit 02, etc. Not all PLCs do this reverse packing on BLOCK MOVES.

- The PLCG may be configured to accept only binary data (registers or counters) from A-B PLC-3 or PLC-5 controllers by selecting type “APLC” during configuration. Any other selection means the data will be accepted only in BCD form.

  The PLC may be configured to accept data sent by A-B PLCs via unsolicited messages. During configuration, use Port No. =3 or 4 to mean Port 1 or Port 2 with unsolicited messages. Standard A-B Data Hiway rules apply. Configuration applies to each PLC definition (PC1, PC2, etc.) for each emulated DHP. Definitions may mix access types from the same physical PLC. This can be found on form PL88-533, lines 10 and 10A.

1.2 REFERENCES

The following publications contain useful information that you may need when filling out the forms:

Title	Publication No.	Binder
Programmable Logic Controller Implementation Guidelines	PL12-500	Implementation/PLC Gateway
Data Entity Builder Manual	SW11-511	Implementation/Engineering Operations - 1
Engineer's Reference Manual	SW09-505	Implementation/Startup & Reconfiguration - 2
Programmable Logic Controller Gateway Control Functions	PL09-500	Implementation/PLC Gateway
Programmable Logic Controller Parameter Reference Dictionary	PL09-540	Implementation/PLC Gateway

NOTE: For certain parameters, there is only one valid choice for the PLCG, which is indicated in **THIS TYPEFACE.**

PLCG ANALOG INPUT OR OUTPUT DATA POINT CONFIGURATION FORM

POINT ASSIGNMENT DISPLAY
(For Analog Input or Output Data Point)

1	TAG NAME (NAME)	|__|__|__|__|__|__|__|__|__|__|__|__|__|__|__|__| (Default = All Underscores)	
2	UNIT ID (UNIT)	|__|__|	(Default = All Blanks)
3	POINT DESCRIPTOR (PTDESC)	|__|__|__|__|__|__|__|__|__|__|__|__|__|__|__|__|__|__|__|__|__|__|__|__|__|__|__|__|__|__|__|__|	(Default = All Blanks)
4	POINT KEYWORD (KEYWORD)	|__|__|__|__|__|__|__|__|	(Default = All Blanks)
5	PRIMARY MODULE POINT ID (PRIMMOD)	|__|__|__|__|__|__|__|__|	(Default = All Underscores)
6	POINT ASSOCIATED DISPLAY (ASSOCDSP)	|__|__|__|__|__|__|__|__|	(Default = All Blanks)
7	HIWAY NUMBER (HWYNUM)	|__|__|	(Default = 01)
8	BOX TYPE (PNTBOXTY)	(**Select DHP**)	
9	BOX NUMBER (BOXNUM or OUTBOXNM)	|__|__|	(Default = 00) (**08-15 for PLCG**)
10	POINT DISCLOSURE (PTDISCL)	BRIEF FULL	(Default = BRIEF)
11	SLOT NUMBER (SLOTNUM or OUTSLTNM)	|__|__|	(Default = 1)
12	SUBSLOT NUMBER (INPTSSLT or OUTSSLT)	|__|	(Default = 1)
13	LOAD DESTINATION (LOADDEST)	HG	**HG_HIWAY** (Default = HG)

OPERATING CONFIGURATION DISPLAY
(For Analog Output Data Point)

20	OUTPUT INDICATION (OUTIND)	DIRECT REVERSE	(Default = DIRECT)
21	PC BOX INDEX (PNTBOXOT)	|__|	(Default = 1)
22	PC TYPE (PNTPCTY)	ALLENBRD MODICON HONYWELL	(Default = ALLENBRD)
22A	OUTPUT PC ADDRESS (PCADDRO1)	|__|__|__|__|	(Default = 0)
22B	SPECIFIER CODE (SPECIFO1)	|__|	(Default = 0)
23	PC RANGE CODE (RNGCODE2)	|__|	(Default = 0)

References: PLCG Parameter Reference Dictionary in the Implementation/PLC Gateway binder.
Data Entity Builder in the Implementation/Engineering Operations - 1 binder.

PLCG ANALOG INPUT OR OUTPUT DATA POINT CONFIGURATION FORM
(Continued)

MODE CONFIGURATION DISPLAY
(For Analog Output Data Point)

30	NORMAL MODE (NMODE)	MAN	CAS	NONE (Default = NONE)
30A	NORMAL MODE ATTRIBUTE (NMODATTR)	NONE	OPERATOR	PROGRAM (Default = NONE)
31	CASCADE (RCASENB)	OFF	ON	(Default = OFF)
32	OPERATOR MODE CHANGE (MODEPERM)	PERMIT	NOPERMIT	(Default = PERMIT)
33	OPERATING MODE (MODE)	(Default = MAN)		

PV CONFIGURATION DISPLAY
(For Analog Input Data Point)

40	E.U. DESCRIPTOR (EUDESC)	|__|__|__|__|__|__|__|		(Default = All Blanks)
41	DECIMAL FORMAT (PVFORMAT)		D0 D1 D2 D3	(Default = D0)
42	PV RANGE LOW (PVEULO)	|__|__|__|__|__|__|		(Default = 0.0)
42A	PV DISPLAY LOW (PVDSPLO)	|__|__|__|__|__|__|		(Default = NaN)
43	PV RANGE HIGH (PVEUHI)	|__|__|__|__|__|__|		(Default = 100.0)
43A	PV DISPLAY HIGH (PVDSPHI)	|__|__|__|__|__|__|		(Default = NaN)
44	OVERVIEW VALUE (OVERVAL)	|__|__|__|		(Default = 0%)
45	PV RANGE OPTION (PVRNGOP)	NONE	FULLRNG	CLMPZERO (Default = NONE)
45A	CLAMP VALUE OPTION (PVCLAMP)	NOCLAMP	CLAMP	(Default = NOCLAMP)
46	CALIBRATION OFFSET (CALIBOFF)	|__|__|__|__|__|		(Default = 0.0)

References: EPLCG Parameter Reference Dictionary in the Implementation/EPLC Gateway binder.
Data Entity Builder in the Implementation/Engineering Operations - 1 binder.

PLCG ANALOG INPUT OR OUTPUT DATA POINT CONFIGURATION FORM
(Continued)

ALARMING DISPLAY
(For Analog Input Data Point)

49	AUXILIARY UNIT ($AUXUNIT)	|__|__|		(Default = - -) R520 & later
50	ALARM FORMAT (ALFMT)	ALFMT00	ALFMT01	(Default = ALFMT00)
50A	PVLOTP (PVLOTP)	|__|__|__|__|__|__|		(Default = 0.0)
50B	PV ALARM DEADBAND (PVALDB)	|__|__|__|__|__|__|		(Default = 0.0)
50C	PVHITP (PVHITP)	|__|__|__|__|__|__|		(Default = 0.0)
50D	DEVLOTP (DEVLOTP)	|__|__|__|__|__|__|		(Default = 0.0%)
50E	DEVHITP (DEVHITP)	|__|__|__|__|__|__|		(Default = 0.0%)
51	CONFIGURATION ERROR ALARM PRIORITY (CNFERRPR)	NOACTION HIGH (Default = LOW)	EMERGNCY	JOURNAL PRINTER	LOW JNLPRINT
52	DEVIATION HIGH ALARM PRIORITY (DEVHIPR)	NOACTION HIGH (Default = LOW)	EMERGNCY	JOURNAL PRINTER	LOW JNLPRINT
53	DEVIATION LOW ALARM PRIORITY (DEVLOPR)	NOACTION HIGH (Default = LOW)	EMERGNCY	JOURNAL PRINTER	LOW JNLPRINT
54	PV HIGH ALARM PRIORITY (PVHIPR)	NOACTION HIGH (Default = LOW)	EMERGNCY	JOURNAL PRINTER	LOW JNLPRINT
55	PV LOW ALARM PRIORITY (PVLOPR)	NOACTION HIGH (Default = LOW)	EMERGNCY	JOURNAL PRINTER	LOW JNLPRINT
56	UNREASONABLE ALARM PRIORITY (UNREASPR)	NOACTION HIGH (Default = LOW)	EMERGNCY	JOURNAL PRINTER	LOW JNLPRINT
57	CRITICAL ALARM SCANNING (CRITSCAN)	OFF	ON	(Default = OFF)	
58	CONTACT CUTOUT RANK (CCRANK)	NEITHER	PRIMARY	SECNDARY (Default = NEITHER)	
59	PRIMARY POINT (CCPRIPNT)	|__|__|__|__|__|__|__|__|		(Default = All Underscores)	
60	EIP POINT ID (EIPPCODE)	|__|__|__|__|__|__|__|__|		(Default = All Underscores)	
60A	EIP EVENT TYPE (EIPEVENT)	ANY HIGH	ALARM HIGH_R	RETURN LOW	(Default = Any) LOW_R
61	EIP ENABLE (EIPENB)	ENABLE	DISABLE	(Default = Enable)	

References: EPLCG Parameter Reference Dictionary in the Implementation/EPLC Gateway binder.
Data Entity Builder in the Implementation/Engineering Operations - 1 binder.

PLCG ANALOG INPUT OR OUTPUT DATA POINT CONFIGURATION FORM
(Continued)

OPERATING CONFIGURATION DISPLAY
(For Analog Input Data Point)

60	TARGET (PVTV)	|__|__|__|__|__|__| (Default = 0.0)
61	PC BOX INDEX (PNTBOXIN)	|__| (Default = 1)
62	PC TYPE (PNTPCTY)	ALLENBRD MODICON HONYWELL (Default = ALLENBRD)
62A	INPUT PC ADDRESS (PCADDRI1)	|__|__|__|__| (Default = 0)
62B	SPECIFIER CODE (SPECIFI1)	|__| (Default = 0)
63	PC RANGE CODE (RNGCODE1)	|__| (Default = 0)

References: EPLCG Parameter Reference Dictionary in the Implementation/EPLC Gateway binder.
Data Entity Builder in the Implementation/Engineering Operations - 1 binder.

NOTE: For certain parameters, there is only one valid choice for the PLCG, which is indicated in **THIS TYPEFACE.**

PLCG ANALOG COMPOSITE DATA POINT CONFIGURATION FORM

POINT ASSIGNMENT DISPLAY

1	TAG NAME (NAME)	|_____| (Default = All Underscores)	
2	UNIT ID (UNIT)	|___| (Default = All Blanks)	
3	POINT DESCRIPTOR (PTDESC)	|_____| |_____|	(Default = All Blanks)
4	POINT KEYWORD (KEYWORD)	|_____|	(Default = All Blanks)
5	PRIMARY MODULE POINT ID (PRIMMOD)	|_____|	(Default = All Underscores)
6	POINT ASSOCIATED DISPLAY (ASSOCDSP)	|_____|	(Default = All Blanks)
6	HIWAY NUMBER (HWYNUM)	|___|	(Default = 01)
7	BOX TYPE (PNTBOXTY)	HLPIU MC **DHP**	(Select DHP)
8	INPUT BOX NUMBER (BOXNUM	|___|	(Default = 00) (**08-15 for PLCG**)
9	OUTPUT BOX NUMBER (OUTBOXNM)	|___|	(Default = 00) (**08-15 for PLCG**)
10	POINT DISCLOSURE (PTDISCL)	BRIEF FULL	(Default = BRIEF)
11	INPUT SLOT (SLOTNUM)	|___|	(Default = 1)
12	INPUT SUBSLOT NUMBER (INPTSSLT)	|__|	(Default = 1)
13	OUTPUT SLOT NUMBER (OUTSLTNM)	|___|	(Default = 1)
14	OUTPUT SUBSLOT NUMBER (OUTSSLT)	|__|	(Default = 1)
15	LOAD DESTINATION (LOADDEST)	HG **HG_HIWAY**	(Default = HG)

PV CONFIGURATION DISPLAY

20	E.U. DESCRIPTOR (EUDESC)	|_____|	(Default = All Blanks)
21	DECIMAL FORMAT (PVFORMAT)	D0 D1 D2 D3	(Default = D0)
22	PV RANGE LOW (PVEULO)	|_____|	(Default = 0.0)
22A	PV DISPLAY LOW (PVDSPLO)	|_____|	(Default = NaN)
23	PV RANGE HIGH (PVEUHI)	|_____|	(Default = 100.0)
23A	PV DISPLAY HIGH (PVDSPHI)	|_____|	(Default = NaN)
24	OVERVIEW VALUE (OVERVAL)	|___|	(Default = 0%)

References: PLCG Parameter Reference Dictionary in the Implementation/PLC Gateway binder.
Data Entity Builder in the Implementation/Engineering Operations - 1 binder.

PLCG ANALOG COMPOSITE DATA POINT CONFIGURATION FORM
(Continued)

PV CONFIGURATION DISPLAY

26	CLAMP VALUE OPTION (PVCLAMP)	NOCLAMP	CLAMP	(Default = NOCLAMP)
27	CALIBRATION OFFSET (CALIBOFF)	|__|__|__|__|__|		(Default = 0.0)

ALARMING DISPLAY

29	AUXILIARY UNIT ($AUXUNIT)	|__|__|		(Default = - -) R520 & later
30	ALARM FORMAT (ALFMT)	ALFMT00	ALFMTO1	(Default = ALFMT00)
30A	PVLOTP (PVLOTP)	|__|__|__|__|__|__|		(Default = 0.0)
30B	PV ALARM DEADBAND (PVALDB)	|__|__|__|__|__|__|		(Default = 0.0)
30C	PVHITP (PVHITP)	|__|__|__|__|__|__|		(Default = 0.0)
30D	DEVLOTP (DEVLOTP)	|__|__|__|__|__|__|		(Default = 0.0%)
30E	DEVHITP (DEVHITP)	|__|__|__|__|__|__|		(Default = 0.0%)
31	CONFIGURATION ERROR ALARM PRIORITY (CNFERRPR)	NOACTION HIGH EMERGNCY (Default = LOW)	JOURNAL PRINTER	LOW JNLPRINT
32	DEVIATION HIGH ALARM PRIORITY (DEVHIPR)	NOACTION HIGH EMERGNCY (Default = LOW)	JOURNAL PRINTER	LOW JNLPRINT
33	DEVIATION LOW ALARM PRIORITY (DEVLOPR)	NOACTION HIGH EMERGNCY (Default = LOW)	JOURNAL PRINTER	LOW JNLPRINT
34	PV HIGH ALARM PRIORITY (PVHIPR)	NOACTION HIGH EMERGNCY (Default = LOW)	JOURNAL PRINTER	LOW JNLPRINT
35	PV LOW ALARM PRIORITY (PVLOPR)	NOACTION HIGH EMERGNCY (Default = LOW)	JOURNAL PRINTER	LOW JNLPRINT
36	UNREASONABLE ALARM PRIORITY (UNREASPR)	NOACTION HIGH EMERGNCY (Default = LOW)	JOURNAL PRINTER	LOW JNLPRINT
37	CRITICAL ALARM SCANNING (CRITSCAN)	OFF ON		(Default = OFF)
38	CONTACT CUTOUT RANK (CCRANK)	NEITHER	PRIMARY SECNDARY	(Default = NEITHER)
38A	PRIMARY POINT (CCPRIPNT)	|__|__|__|__|__|__|__|__|		(Default = All Under-scores)
39	EIP POINT ID (EIPPCODE)	|__|__|__|__|__|__|		(Default = All Underscores)

References: PLCG Parameter Reference Dictionary in the Implementation/PLC Gateway binder.
Data Entity Builder in the Implementation/Engineering Operations - 1 binder.

PLCG ANALOG COMPOSITE DATA POINT CONFIGURATION FORM
(Continued)

ALARMING DISPLAY

40 EIP EVENT TYPE (EIPEVENT) — ANY HIGH ALARM HIGH_R RETURN LOW LOW_R (Default = Any)

41 EIP ENABLE (EIPENB) — ENABLE DISABLE (Default = Enable)

OPERATING CONFIGURATION DISPLAY

50 OUTPUT INDICATION (OUTIND) — DIRECT REVERSE (Default = DIRECT)

51 TARGET (PVTV) — |__|__|__|__|__| (Default = 0)

52 PC TYPE (PNTPCTY) — ALLENBRD MODICON HONYWELL (Default = ALLENBRD)

53 PC BOX INDEX (INPUT) (PNTBOXIN) — |__| (Default = 1)

53A INPUT PC ADDRESS (PCADDRI1) — |__|__|__|__| (Default = 0)

53B SPECIFIER CODE (INPUT) (SPECIFI1) — |__| (Default = 0)

54 PC RANGE CODE (INPUT) (RNGCODE1) — |__| (Default = 0)

55 PC BOX INDEX (OUTPUT) (PNTBOXOT) — |__| (Default = 0)

55A OUTPUT PC ADDRESS (PCADDRO1) — |__|__|__|__| (Default = 0)

55B SPECIFIER CODE (OUTPUT) (SPECIFO1) — |__| (Default = 0)

56 PC RANGE CODE (OUTPUT) (RNGCODE2) — |__| (Default = 0)

MODE CONFIGURATION DISPLAY

60 NORMAL MODE (NMODE) — MAN CAS NONE (Default = NONE)

60A NORMAL MODE ATTRIBUTE (NMODATTR) — OPERATOR PROGRAM NONE (Default = NONE)

61 CASCADE (RCASENB) — OFF ON (Default = OFF)

62 OPERATOR MODE CHANGE (MODEPERM) — PERMIT NOPERMIT (Default = PERMIT)

63 OPERATING MODE (MODE) — (Default = MAN)

References: PLCG Parameter Reference Dictionary in the Implementation/PLC Gateway binder.
Data Entity Builder in the Implementation/Engineering Operations - 1 binder.

References: PLCG Parameter Reference Dictionary in the Implementation/PLC Gateway binder.
Data Entity Builder in the Implementation/Engineering Operations - 1 binder.

NOTE: For certain parameters, there is only one valid choice for the PLCG, which is indicated in **THIS TYPEFACE.**

PLCG DIGITAL INPUT OR OUTPUT DATA POINT CONFIGURATION FORM

POINT ASSIGNMENT DISPLAY
(For Digital Input or Output Data Point)

1	TAG NAME (NAME)	|__|__|__|__|__|__|__|__|__|__|__|__|__|__|__|__| (Default = All Underscores)	
2	UNIT ID (UNIT)	|__|__|	(Default = All Blanks)
3	POINT DESCRIPTOR (PTDESC)	|__|__|__|__|__|__|__|__|__|__|__|__|__|__|__|__|	(Default = All Blanks)
4	POINT KEYWORD (KEYWORD)	|__|__|__|__|__|__|__|__|	(Default = All Blanks)
5	PRIMARY MODULE POINT ID (PRIMMOD)	|__|__|__|__|__|__|__|__|	(Default = All Underscores)
6	POINT ASSOCIATED DISPLAY (ASSOCDSP)	|__|__|__|__|__|__|__|__|	(Default = All Blanks)
7	HIWAY NUMBER (HWYNUM)	|__|__|	(Default = 01)
8	BOX TYPE (PNTBOXTY)	HLPIU EC MC	**DHP**
9	BOX NUMBER (BOXNUM or OUTBOXNM)	|__|__|	(Default = 00) (**08-15 for PLCG**)
10	POINT DISCLOSURE (PTDISCL)	BRIEF FULL	(Default = BRIEF)
11	LOAD DESTINATION (LOADDEST)	HG	**HG_HIWAY** (Default = HG)
12	INPUT SLOT NUMBER (SLOTNUM)	|__|__|	(Default = 1)
13	INPUT SUBSLOT NUMBER (INPTSSLT)	|__|__|	(Default = 1)
14	NUMBER OF INPUTS (NMBRINPT)	|__|	(Default = 1)
15	OUTPUT SLOT NUMBER (OUTSLTNM)	|__|__|	(Default = 1)
16	OUTPUT SUBSLOT NUMBER (OUTSSLT)	|__|	(Default = 1)
17	NUMBER OF OUTPUTS (NMBROUT)	|__|	(Default = 1)

References: PLCG Parameter Reference Dictionary in the Implementation/PLC Gateway binder.
Data Entity Builder in the Implementation/Engineering Operations - 1 binder.

PLCG DIGITAL INPUT OR OUTPUT DATA POINT CONFIGURATION FORM
(Continued)

OPERATING CONFIGURATION DISPLAY
(For Digital Output Data Point)

20 UPPER BOX TEXT (STATE2) |__|__|__|__|__| (Default = UPPER)

21 LOWER BOX TEXT (STATE1) |__|__|__|__|__| (Default = LOWER)

22 UPPER BOX COLOR (UBOXCLR) RED GREEN WHITE BLACK CYAN YELLOW BLUE MAGENTA (Default = RED)

23 LOWER BOX COLOR (LBOXCLR) RED GREEN WHITE BLACK CYAN YELLOW BLUE MAGENTA (Default = RED)

24 MOMENTARY O/P IND (MOOUTIND) NOMOMENT MOMENT (Default = NOMOMENT)

25 OUTPUT INDICATION (OUTIND) DIRECT REVERSE (Default = DIRECT)

26 PC BOX INDEX (PNTBOXOT) |__| (Default = 1)

27 PC TYPE (PNTPCTY) ALLENBRD MODICON HONYWELL (Default = ALLENBRD)

27A OUTPUT 1 PC ADDRESS (PCADDRO1) |__|__|__|__| (Default = 0)

27B OUTPUT 1 BIT POSITION (PCBITO1) |__|__| (Default = 0)

27C OUTPUT 1 SPECIFIER CODE (SPECIFO1) |__| (Default = 0)

27D OUTPUT 2 SPECIFIER CODE (SPECIFO2) |__| (Default = 0)

References: PLCG Parameter Reference Dictionary in the Implementation/PLC Gateway binder.
Data Entity Builder in the Implementation/Engineering Operations - 1 binder.

PLCG DIGITAL INPUT OR OUTPUT DATA POINT CONFIGURATION FORM
(Continued)

MODE CONFIGURATION DISPLAY
(For Digital Output Data Point)

30	NORMAL MODE (NMODE)	MAN	CAS	NONE	(Default = NONE)
30A	NORMAL MODE ATTRIBUTE (NMODATTR)	OPERATOR	PROGRAM	NONE	(Default = NONE)
31	CASCADE (RCASENB)	OFF	ON		(Default = OFF)
32	OPERATOR MODE CHANGE (MODEPERM)	PERMIT	NOPERMIT		(Default = PERMIT)
33	OPERATING MODE (MODE)	(Default = MAN)			

ALARMING DISPLAY
(For Digital Input Data Point)

39	AUXILIARY UNIT ($AUXUNIT)	|__|__|	(Default = - -) R520 & later		
40	ALARM FORMAT (DIGALFMT) [Single Input]	STATE1	STATE2	CHNGOFST	(Default = CHNGOFST)
41	ALARM FORMAT (DIGALFMT) [Dual Inputs]	INPUT1	INPUT2	EITHER	
		BOTH	CHNGOFST	(Default = CHNGOFST)	
42	CHANGE OF STATE ALARM PRIORITY (CHOFSTPR)	NOACTION	JOURNAL	LOW	
		HIGH	EMERGNCY	PRINTER	JNLPRINT
		(Default = LOW)			
43	CONFIGURATION ERROR ALARM PRIORITY (CNFERRPR)	NOACTION	JOURNAL	LOW	
		HIGH	EMERGNCY	PRINTER	JNLPRINT
		(Default = LOW)			
44	OFF NORMAL ALARM PRIORITY (OFFNRMPR)	NOACTION	JOURNAL	LOW	
		HIGH	EMERGNCY	PRINTER	JNLPRINT
		(Default = LOW)			
45	CRITICAL ALARM SCANNING (CRITSCAN)	OFF	ON	(Default = OFF)	
46	CONTACT CUTOUT RANK (CCRANK)	NEITHER	PRIMARY	SECNDARY	(Default = NEITHER)
46A	Non-Comp State 00 Text (ZZTEXT)	|__|__|__|__|__|__|__|__|			
46B	PRIMARY POINT ID (CCPRIPNT)	|__|__|__|__|__|__|__|__|	(Default = All Underscores)		
47	EIP POINT ID (EIPPCODE)	|__|__|__|__|__|__|__|__|	(Default = All Underscores)		
48	EIP EVENT TYPE (EIPEVENT)	ANY	ALARM	RETURN	(Default = Any)
		CHGSTATE	STATE1	STATE2	
49	EIP ENABLE (EIPENB)	ENABLE	DISABLE	(Default = Enable)	

References: PLCG Parameter Reference Dictionary in the Implementation/PLC Gateway binder.
Data Entity Builder in the Implementation/Engineering Operations - 1 binder.

PLCG DIGITAL INPUT OR OUTPUT DATA POINT CONFIGURATION FORM
(Continued)

OPERATING CONFIGURATION DISPLAY
(For Digital Input Data Point)

50	UPPER BOX TEXT (STATE2)	|__|__|__|__|__|		(Default = UPPER)
51	LOWER BOX TEXT (STATE1)	|__|__|__|__|__|		(Default = LOWER)
52	UPPER BOX COLOR (UBOXCLR)	RED CYAN	GREEN YELLOW	WHITE BLUE BLACK MAGENTA (Default = RED)
53	LOWER BOX COLOR (LBOXCLR)	RED CYAN	GREEN YELLOW	WHITE BLUE BLACK MAGENTA (Default = RED)
54	OVERVIEW VALUE (OVERVAL)	OFF	ON	(Default = OFF)
55	INPUT DIRECTION (INPTDIR)	DIRECT	REVERSE	(Default = DIRECT)
56	PC BOX INDEX (PNTBOXIN)	|__|		(Default = 1)
57	PC TYPE (PNTPCTY)	ALLENBRD	MODICON HONYWELL	(Default = ALLENBRD)
57A	INPUT 1 PC ADDRESS (PCADDRI1)	|__|__|__|__|		(Default = 0)
57B	INPUT 2 PC ADDRESS (PCADDRI2)	|__|__|__|__|		(Default = 0)
57C	INPUT 1 BIT POSITION (PCBITI1)	|__|__|		(Default = 0)
57D	INPUT 2 BIT POSITION (PCBITI2)	|__|__|		(Default = 0)
57E	INPUT 1 SPECIFIER CODE (SPECIFI1)	|__|		(Default = 0)
57F	INPUT 2 SPECIFIER CODE (SPECIFI2)	|__|		(Default = 0)

References: PLCG Parameter Reference Dictionary in the Implementation/PLC Gateway binder.
Data Entity Builder in the Implementation/Engineering Operations - 1 binder.

NOTE: For certain parameters, there is only one valid choice for the PLCG, which is indicated in **THIS TYPEFACE.**

PLCG DIGITAL COMPOSITE DATA POINT CONFIGURATION FORM

POINT ASSIGNMENT DISPLAY

1	TAG NAME (NAME)	|_|_|_|_|_|_|_|_|_|_|_|_|_|_|_|_| (Default = All Underscores)
2	UNIT ID (UNIT)	|_|_| (Default = All Blanks)
3	POINT DESCRIPTOR (PTDESC)	|_|_|_|_|_|_|_|_|_|_|_|_|_|_|_|_|_|_|_|_|_|_| (Default = All Blanks)
4	POINT KEYWORD (KEYWORD)	|_|_|_|_|_|_|_|_| (Default = All Blanks)
5	PRIMARY MODULE POINT ID (PRIMMOD)	|_|_|_|_|_|_|_|_| (Default = All Underscores)
6	POINT ASSOCIATED DISPLAY (ASSOCDSP)	|_|_|_|_|_|_|_|_|_|_| (Default = All Blanks)
7	HIWAY NUMBER (HWYNUM)	|_|_| (Default = 01)
8	BOX TYPE (PNTBOXTY)	HLPIU MC **DHP** (Select DHP)
9	INPUT BOX NUMBER (BOXNUM)	|_|_| (Default = 00) (**08-15 for PLCG**)
10	OUTPUT BOX NUMBER (OUTBOXNM)	|_|_| (Default = 00) (**08-15 for PLCG**)
11	POINT DISCLOSURE (PTDISCL)	BRIEF FULL (Default = BRIEF)
12	LOAD DESTINATION (LOADDEST)	HG **HG_HIWAY** (Default = HG)
13	INPUT SLOT NUMBER (SLOTNUM)	|_|_| (Default = 1)
14	INPUT SUBSLOT NUMBER (INPTSSLT)	|_|_| (Default = 1)
15	NUMBER OF INPUTS (NMBRINPT)	|_| (Default = 1)
16	OUTPUT SLOT NUMBER (OUTSLTNM)	|_|_| (Default = 1)
17	OUTPUT SUBSLOT NUMBER (OUTSSLT)	|_| (Default = 1)
18	NUMBER OF OUTPUTS (NMBROUT)	|_| (Default = 1)

References: PLCG Parameter Reference Dictionary in the Implementation/PLC Gateway binder.
Data Entity Builder in the Implementation/Engineering Operations - 1 binder.

PLCG DIGITAL COMPOSITE DATA POINT CONFIGURATION FORM
(Continued)

ALARMING DISPLAY

19 AUXILIARY UNIT ($AUXUNIT) |__|__| (Default = - -) R520 & later

20 ALARM FORMAT (DIGALFMT) STATE1 STATE2 CHNGOFST CMDDIS
[Single Input] (Default = CHNGOFST)

21 ALARM FORMAT (DIGALFMT) INPUT1 INPUT2 EITHER
[Dual Inputs] BOTH CHNGOFST CMDDIS (Default = CHNGOFST)

22 CHANGE OF STATE ALARM PRIORITY (CHOFSTPR) NOACTION JOURNAL LOW HIGH EMERGNCY PRINTER JNLPRINT (Default = LOW)

23 COMMAND DISAGREE ALARM PRIORITY (CMDDISPR) NOACTION JOURNAL LOW HIGH EMERGNCY PRINTER JNLPRINT (Default = LOW)

24 CONFIGURATION ERROR ALARM PRIORITY (CNFERRPR) NOACTION JOURNAL LOW HIGH EMERGNCY PRINTER JNLPRINT (Default = LOW)

25 OFF NORMAL ALARM PRIORITY (OFFNRMPR) NOACTION JOURNAL LOW HIGH EMERGNCY PRINTER JNLPRINT (Default = LOW)

26 CRITICAL ALARM SCANNING (CRITSCAN) OFF ON (Default = OFF)

27 CONTACT CUTOUT RANK (CCRANK) NEITHER PRIMARY SECNDARY (Default = NEITHER)

27A PRIMARY POINT (CCPRIPNT) |__|__|__|__|__|__|__|__| (Default = All Underscores)

28 EIP POINT ID (EIPPCODE) |__|__|__|__|__|__|__|__| (Default = All Underscores)

29 EIP EVENT TYPE (EIPEVENT) ANY ALARM RETURN CHGSTATE STATE1 STATE2 (Default = Any)

30 EIP ENABLE (EIPENB) ENABLE DISABLE (Default = Enable)

OPERATING CONFIGURATION DISPLAY

40 UPPER BOX DESCRIPTOR (STATE2) |__|__|__|__|__|__| (Default = UPPER)

41 LOWER BOX DESCRIPTOR (STATE1) |__|__|__|__|__|__| (Default = LOWER)

42 UPPER BOX COLOR (UBOXCLR) RED GREEN WHITE BLACK CYAN YELLOW BLUE MAGENTA (Default = RED)

43 LOWER BOX COLOR (LBOXCLR) RED GREEN WHITE BLACK CYAN YELLOW BLUE MAGENTA (Default = RED)

44 MOMENTARY O/P INDICATION (MOOUTIND) NOMOMENT MOMENT (Default = NOMOMENT)

References: PLCG Parameter Reference Dictionary in the Implementation/PLC Gateway binder.
Data Entity Builder in the Implementation/Engineering Operations - 1 binder.

PLCG DIGITAL COMPOSITE DATA POINT CONFIGURATION FORM
(Continued)

OPERATING CONFIGURATION DISPLAY

45	OUTPUT INDICATION (OUTIND)	DIRECT	REVERSE	(Default = DIRECT)
46	OVERVIEW VALUE (OVERVAL)	OFF	ON	(Default = OFF)
47	INPUT DIRECTION (INPTDIR)	DIRECT	REVERSE	(Default = DIRECT)
48	PC TYPE (PNTPCTY)	ALLENBRD	MODICON	HONYWELL (Default = ALLENBRD)
49	PC BOX INDEX (INPUT) (PNTBOXIN)	|__|		(Default = 1)
49A	INPUT 1 PC ADDRESS (PCADDRI1)	|__|__|__|__|		(Default = 0)
49B	INPUT 1 BIT POSITION (PCBITI1)	|__|__|		(Default = 0)
49C	INPUT 2 PC ADDRESS (PCADDRI2)	|__|__|__|__|		(Default = 0)
49D	INPUT 1 SPECIFIER CODE (SPECIFI1)	|__|		(Default = 0)
49E	INPUT 2 BIT POSITION (PCBITI2)	|__|__|		(Default = 0)
50	PC BOX INDEX (OUTPUT) (PNTBOXOT)	|__|		(Default = 1)
50A	OUTPUT 1 PC ADDRESS (PCADDRO1)	|__|__|__|__|		(Default = 0)
50B	OUTPUT 1 BIT POSITION (PCBITO1)	|__|__|		(Default = 0)
50C	OUTPUT 1 SPECIFIER CODE (SPECIFO1)	|__|		(Default = 0)

MODE CONFIGURATION DISPLAY

51	NORMAL MODE (NMODE)	MAN	CAS	NONE	(Default = NONE)
51A	NORMAL MODE ATTRIBUTE (NMODATTR)	OPERATOR	PROGRAM	NONE	(Default = NONE)
52	OPERATOR MODE CHANGE (MODEPERM)	PERMIT	NOPERMIT		(Default = PERMIT)
53	OPERATING MODE (MODE)	(Default = MAN)			

References: PLCG Parameter Reference Dictionary in the Implementation/PLC Gateway binder.
Data Entity Builder in the Implementation/Engineering Operations - 1 binder.

References: PLCG Parameter Reference Dictionary in the Implementation/PLC Gateway binder.
Data Entity Builder in the Implementation/Engineering Operations - 1 binder.

NOTE: For certain parameters, there is only one valid choice for the PLCG, which is indicated in **THIS TYPEFACE.**

PLCG COUNTER DATA POINT CONFIGURATION FORM

POINT ASSIGNMENT DISPLAY

1	TAG NAME (NAME)	|__|__|__|__|__|__|__|__|__|__|__|__|__|__|__|__|	(Default = All Underscores)	
2	UNIT ID (UNIT)	|__|__|	(Default = All Blanks)	
3	POINT DESCRIPTOR (PTDESC)	|__|__|__|__|__|__|__|__|__|__|__|__|__|__|__|__| |__|__|__|__|__|__|__|__|__|__|__|__|__|__|__|__|	(Default = All Blanks)	
4	POINT KEYWORD (KEYWORD)	|__|__|__|__|__|__|__|__|	(Default = All Blanks)	
5	PRIMARY MODULE POINT ID (PRIMMOD)	|__|__|__|__|__|__|__|__|	(Default = All Underscores)	
6	POINT ASSOCIATED DISPLAY (ASSOCDSP)	|__|__|__|__|__|__|__|__|__|__|	(Default = All Blanks)	
7	HIWAY NUMBER (HWYNUM)	|__|__|	(Default = 01)	
8	BOX TYPE (PNTBOXTY)	HLPIU	MC	**DHP** (Select DHP)
9	BOX NUMBER (BOXNUM)	|__|__|	(Default = 00) (**08-15 for PLCG**)	
10	POINT DISCLOSURE (PTDISCL)	BRIEF	FULL	(Default = BRIEF)
11	INPUT SLOT NUMBER (SLOTNUM)	|__|__|	(Default = 01)	
12	INPUT SUBSLOT NUMBER (INPTSSLT)	|__|__|	(Default = 1)	
13	LOAD DESTINATION (LOADDEST)	HG	**HG_HIWAY**	(Default = HG)

ALARMING DISPLAY

23	AUXILIARY UNIT ($AUXUNIT)	|__|__|			(Default = - -) R520 & later
24	CONFIGURATION ERROR ALARM PRIORITY (CNFERRPR)	NOACTION HIGH	JOURNAL EMERGNCY (Default = LOW)	LOW PRINTER	JNLPRINT
25	COUNTER ALARM PRIORITY (COUNTRPR)	NOACTION HIGH	JOURNAL EMERGNCY (Default = LOW)	LOW PRINTER	JNLPRINT
21	EIP POINT ID (EIPPCODE)	|__|__|__|__|__|__|__|__|			(Default = All Underscores)
22	EIP ENABLE (EIPENB)	ENABLE	DISABLE		(Default = Enable)

References: PLCG Parameter Reference Dictionary in the Implementation/PLC Gateway binder.
Data Entity Builder in the Implementation/Engineering Operations - 1 binder.

PLCG COUNTER DATA POINT CONFIGURATION FORM
(Continued)

OPERATING CONFIGURATION DISPLAY

30 E.U. DESCRIPTOR (EUDESC) |__|__|__|__|__|__|__|__| (Default = All Blanks)

31 DECIMAL POINT POSITION (AVFORMAT) 00 01 02 03 (Default = 00)

32 SCALE FACTOR (AVCONV) |__|__| (Default = 1.0)

33 PRESET VALUE (PRESET) |__|__|__|__|__|__| (Default = 0.0)

34 PC BOX INDEX (PNTBOXIN) |__| (Default = 1)

35 PC TYPE (PNTPCTY) ALLENBRD MODICON HONYWELL (Default = ALLENBRD)

35A INPUT PC ADDRESS (PCADDRI1) |__|__|__|__| (Default = 0)

35B INPUT SPECIFIER CODE (SPECIFI1) |__| (Default = 0)

NOTE: For certain parameters, there is only one valid choice for the PLCG, which is indicated in **THIS TYPEFACE.**

PLCG HIWAY DATA POINT CONFIGURATION FORM

POINT ASSIGNMENT DISPLAY

1 HIWAY NUMBER (HWYNUM) |__|__| (Default = 01)

2 HTD ASSIGNMENT (HWYHTD) **THISHG** REMOTEHG HTD ADDEDHG (Default = HTD)

2A SWITCH INTERVAL (MIN) (HWYSWINT) |__|__|__|__| (Default = 1440) (**1440 for PLCG**)

2B SWITCH BASE TIME (HWYSWBAS) |__|__|__|__| (Default = 0) (0 for PLCG)

3 SOE SYNCHRONIZATION (SOESYNCH) **DISABLE** ENABLE (Default = DISABLE)

4 COMMAND DISAGREE TEXT (CDTEXT) |__|__|__|__|__|__|__|__| (Default = CMDDIS)

DUAL DIGITAL INPUT NONCOMPLEMENTARY TEXT

5 TEXT1 (NCMPTXT1) |__|__|__|__|__|__|__|__| (Default = BADPV)

6 TEXT2 (NCMPTXT2) |__|__|__|__|__|__|__|__| (Default = INBETWN)

References: PLCG Parameter Reference Dictionary in the Implementation/PLC Gateway binder.
Data Entity Builder in the Implementation/Engineering Operations - 1 binder.

References: PLCG Parameter Reference Dictionary in the Implementation/PLC Gateway binder.
Data Entity Builder in the Implementation/Engineering Operations - 1 binder.

NOTE: For certain parameters, there is only one valid choice for the PLCG, which is indicated in **THIS TYPEFACE.**

PLCG BOX DATA POINT CONFIGURATION FORM

BOX POINT DISPLAY (FOR PRIMARY PLCG)

1	HIWAY NUMBER (HWYNUM)	|__|__| (Default = 1)	
2	BOX NUMBER (BOXNUM)	|__|__| (Default = 0) (**2 for Primary**)	
3	BOX TYPE (BOXTYPE)	CB, AU, HLPIU, LLPIU LEPIU, CBRCD, EC, ECRCD MC, MCRCD, DHP, OPSTA H4500, **HG**, GPCI, NOTCONFG (Enter DHP)	
4	BOX ASSIGNMENT (BOXASSN)	**THISHG** REMOTEHG ADDEDHG	(Default = THISHG)
5	LOAD DESTINATION (LOADDEST)	**HG** HG_HIWAY	

BOX POINT DISPLAY (FOR BACKUP PLCG)

1	HIWAY NUMBER (HWYNUM)	|__|__| (Default = 1)	
2	BOX NUMBER (BOXNUM)	|__|__| (Default = 0) (**3 for Backup**)	
3	BOX TYPE (BOXTYPE)	CB, AU, HLPIU, LLPIU LEPIU, CBRCD, EC, ECRCD MC, MCRCD, DHP, OPSTA H4500, **HG**, GPCI, NOTCONFG (Enter DHP)	
4	BOX ASSIGNMENT (BOXASSN)	**THISHG** REMOTEHG ADDEDHG (Default = THISHG)	

References: PLCG Parameter Reference Dictionary in the Implementation/PLC Gateway binder.
Data Entity Builder in the Implementation/Engineering Operations - 1 binder.

References: PLCG Parameter Reference Dictionary in the Implementation/PLC Gateway binder.
Data Entity Builder in the Implementation/Engineering Operations - 1 binder.

NOTE: For certain parameters, there is only one valid choice for the PLCG, which is indicated in **THIS TYPEFACE.**

PLCG BOX/SLOT DATA CONFIGURATION FORM

BOX POINT DISPLAY

1	HIWAY NUMBER (HWYNUM)	|__|__| (Default = 1)
2	BOX NUMBER (BOXNUM)	|__|__| (Default = 0) (**8 - 15 for DHPs**)
3	BOX TYPE (BOXTYPE)	CB AU HLPIU LLPIU LEPIU CBRCD EC ECRCD MC MCRCD **DHP** OPSTA H4500 HG GPCI NOTCONFG (Select DHP)
4 **	BOX ASSIGNMENT (BOXASSN)	**THISHG** REMOTEHG ADDEDHG (Default = THISHG)
5 **	LOAD DESTINATION (LOADDEST)	HG **HG_HIWAY** (Default = HG)
6	DHP BOX SIZE (BOXSIZE)	REGULAR **EXTENDED** (Default = REGULAR)
7	BOX PROTOCOL (BOXPROT)	ALLENBRD MODICON HONYWELL (Default = ALLENBRD)
8	BOX STARTUP (BOXSTART)	**COLD** HOT (Default = COLD)
9	SCAN TIME(SEC) (SCANTIME)	|__|__| (Default = 0) (00 for EPLCG)
10	PC1 MODEL TYPE (PC1TYPE)	NOTCONFG M384 M484 M584 (For Modicon) (Default = NOTCONFG)---------- NOTCONFG APLC APLC2 APLC215 APLC220 APLC230 AMINPLC2 (For Allen-Bradley) (Default = NOTCONFG)---------- NOTCONFG IPC620 (For Honeywell) (Default = NOTCONFG)----------
10A	PORT NUMBER (PC1PORT)	|__| (Default = 1)
10B	PORT ADDRESS (PC1PORTA)	|__|__|__| (Default = 0)
10C	KEEP ALIVE ADDRESS (PC1ALIVE)	|__|__|__|__| (Default = 0)
10D	KEEP ALIVE BIT POSITION (PC1ALVBT)	|__|__| (Default = 0)
10E	SPECIFIER (PC1ALVSP)	|__| (Default = 0)
11	PC2 MODEL TYPE (PC2TYPE)	NOTCONFG M384 M484 M584 (For Modicon)* ---------- NOTCONFG APLC APLC2 APLC215 APLC220 APLC230 AMINPLC2 (For Allen-Bradley)** ---------- NOTCONFG IPC620 (For Honeywell) ----------

*For Modicon type 984 or for Modicon emulators, choose M584.
**For A-B PLC-3 or PLC-5 using binary data, choose APLC, otherwise choose APLC230.

References: PLCG Parameter Reference Dictionary in the Implementation/PLC Gateway binder.
Data Entity Builder in the Implementation/Engineering Operations - 1 binder.

PLCG BOX/SLOT DATA CONFIGURATION FORM
(Continued)

BOX POINT DISPLAY

```
11A PORT NUMBER              |__| (Default = 1)
      (PC2PORT)
11B PORT ADDRESS             |__|__|__| (Default = 0)
      (PC2PORTA)
11C KEEP ALIVE ADDRESS       |__|__|__|__| (Default = 0)
      (PC2ALIVE)
11D KEEP ALIVE BIT POSITION  |__|__|  (Default = 0)
      (PC2ALVBT)
11E SPECIFIER                |__| (Default = 0)
      (PC2ALVSP)
12  PC3 MODEL TYPE           NOTCONFG  M384      M484      M584  (For Modicon)
      (PC3TYPE)              ----------------------------------
                             NOTCONFG  APLC      APLC2     APLC215
                             APLC220   APLC230   AMINPLC2  (For Allen-Bradley)
                             ----------------------------------

                             NOTCONFG  IPC620  (For Honeywell)
                             ----------------------------------
12A PORT NUMBER              |__| (Default = 1)
      (PC3PORT)
12B PORT ADDRESS             |__|__|__| (Default = 0)
      (PC3PORT)
12C KEEP ALIVE ADDRESS       |__|__|__|__| (Default = 0)
      (PC3ALIVE)
12D KEEP ALIVE BIT POSITION  |__|__| (Default = 0)
      (PC3ALVBT)
12E SPECIFIER                |__| (Default = 0)
      (PC3ALVSP)
13  PC4 MODEL TYPE           NOTCONFG  M384      M484      M584  (For Modicon)
      (PC4TYPE)              ----------------------------------
                             NOTCONFG  APLC      APLC2     APLC215
                             APLC220   APLC230   AMINPLC2  (For Allen-Bradley)
                             ----------------------------------
                             NOTCONFG  IPC620  (For Honeywell)
                             ----------------------------------
13A PORT NUMBER              |__| (Default = 1)
      (PC4PORT)
13B PORT ADDRESS             |__|__|__| (Default = 0)
      (PC4PORTA)
13C KEEP ALIVE ADDRESS       |__|__|__|__| (Default = 0)
      (PC4ALIVE)
13D KEEP ALIVE BIT POSITION  |__|__| (Default = 0)
      (PC4ALVBT)
13E SPECIFIER                |__| (Default = 0)
      (PC4ALVSP)
```

References: PLCG Parameter Reference Dictionary in the Implementation/PLC Gateway binder.
Data Entity Builder in the Implementation/Engineering Operations - 1 binder.

PLCG BOX/SLOT DATA CONFIGURATION FORM
(Continued)

BOX POINT DISPLAY

14	PC5 MODEL TYPE (PC5TYPE)	NOTCONFG M384 M484 M584 (For Modicon) NOTCONFG APLC APLC2 APLC215 APLC220 APLC230 AMINPLC2 (For Allen-Bradley) NOTCONFG IPC620 (For Honeywell)
14A	PORT NUMBER (PC5PORT)	|__| (Default = 1)
14B	PORT ADDRESS (PC5PORTA)	|__|__|__| (Default = 0)
14C	KEEP ALIVE ADDRESS (PC5ALIVE)	|__|__|__|__| (Default = 0)
14D	KEEP ALIVE BIT POSITION (PC5ALVBT)	|__|__| (Default = 0)
14E	SPECIFIER (PC5ALVSP)	|__| (Default = 0)
15	PC6 MODEL TYPE (PC6TYPE)	NOTCONFG M384 M484 M584 (For Modicon) NOTCONFG APLC APLC2 APLC215 APLC220 APLC230 AMINPLC2 (For Allen-Bradley) NOTCONFG IPC620 (For Honeywell)
15A	PORT NUMBER (PC6PORT)	|__| (Default = 1)
15B	PORT ADDRESS (PC6PORTA)	|__|__|__| (Default = 0)
15C	KEEP ALIVE ADDRESS (PC6ALIVE)	|__|__|__|__| (Default = 0)
15D	KEEP ALIVE BIT POSITION (PC6ALVBT)	|__|__| (Default = 0)
15E	SPECIFIER (PC6ALVSP)	|__| (Default = 0)
16	PC7 MODEL TYPE (PC7TYPE)	NOTCONFG M384 M484 M584 (For Modicon) NOTCONFG APLC APLC2 APLC215 APLC220 APLC230 AMINPLC2 (For Allen-Bradley) NOTCONFG IPC620 (For Honeywell)

References: PLCG Parameter Reference Dictionary in the Implementation/PLC Gateway binder.
Data Entity Builder in the Implementation/Engineering Operations - 1 binder.

PLCG BOX/SLOT DATA CONFIGURATION FORM
(Continued)

BOX POINT DISPLAY

16A PORT NUMBER (PC7PORT)	|__| (Default = 1)	
16B PORT ADDRESS (PC7PORTA)	|__|__|__| (Default = 0)	
16C KEEP ALIVE ADDRESS (PC7ALIVE)	|__|__|__|__| (Default = 0)	
16D KEEP ALIVE BIT POSITION (PC7ALVBT)	|__|__| (Default = 0)	
16E SPECIFIER (PC7ALVSP)	|__| (Default = 0)	
17 PC8 MODEL TYPE (PC8TYPE)	NOTCONFG M384 M484 M584 (For Modicon)	
	NOTCONFG APLC APLC2 APLC215	
	APLC220 APLC230 AMINPLC2 (For Allen-Bradley)	
	NOTCONFG IPC620 (For Honeywell)	
17A PORT NUMBER (PC8PORT)	|__| (Default = 1)	
17B PORT ADDRESS (PC8PORTA)	|__|__|__| (Default = 0)	
17C KEEP ALIVE ADDRESS (PC8ALIVE)	|__|__|__|__| (Default = 0)	
17D KEEP ALIVE BIT POSITION (PC8ALVBT)	|__|__| (Default = 0)	
17E SPECIFIER (PC8ALVSP)	|__| (Default = 0) (Default = NONE)	
18 SLOT 1 TYPE (PIUCRDTY)	NONE DIGIN DIGOUT (Default = NONE)	
	ANALOGIN ANALOGOT COUNTER	
19 SLOT 2 TYPE	NONE DIGIN DIGOUT (Default = NONE)	
	ANALOGIN ANALOGOT COUNTER	
20 SLOT 3 TYPE	NONE DIGIN DIGOUT (Default = NONE)	
	ANALOGIN ANALOGOT COUNTER	
21 SLOT 4 TYPE	NONE DIGIN DIGOUT (Default = NONE)	
	ANALOGIN ANALOGOT COUNTER	
22 SLOT 5 TYPE	NONE DIGIN DIGOUT (Default = NONE)	
	ANALOGIN ANALOGOT COUNTER	
23 SLOT 6 TYPE	NONE DIGIN DIGOUT (Default = NONE)	
	ANALOGIN ANALOGOT COUNTER	
24 SLOT 7 TYPE	NONE DIGIN DIGOUT (Default = NONE)	
	ANALOGIN ANALOGOT COUNTER	

References: PLCG Parameter Reference Dictionary in the Implementation/PLC Gateway binder.
Data Entity Builder in the Implementation/Engineering Operations - 1 binder.

PLCG BOX/SLOT DATA CONFIGURATION FORM
(Continued)

BOX POINT DISPLAY				
25	SLOT 8 TYPE	NONE	DIGIN	DIGOUT (Default = NONE)
		ANALOGIN	ANALOGOT	COUNTER
26	SLOT 9 TYPE	NONE	DIGIN	DIGOUT (Default = NONE)
		ANALOGIN	ANALOGOT	COUNTER
27	SLOT 10 TYPE	NONE	DIGIN	DIGOUT (Default = NONE)
		ANALOGIN	ANALOGOT	COUNTER
28	SLOT 11 TYPE	NONE	DIGIN	DIGOUT (Default = NONE)
		ANALOGIN	ANALOGOT	COUNTER
29	SLOT 12 TYPE	NONE	DIGIN	DIGOUT (Default = NONE)
		ANALOGIN	ANALOGOT	COUNTER
30	SLOT 13 TYPE	NONE	DIGIN	DIGOUT (Default = NONE)
		ANALOGIN	ANALOGOT	COUNTER
31	SLOT 14 TYPE	NONE	DIGIN	DIGOUT (Default = NONE)
		ANALOGIN	ANALOGOT	COUNTER
32	SLOT 15 TYPE	NONE	DIGIN	DIGOUT (Default = NONE)
		ANALOGIN	ANALOGOT	COUNTER
33	SLOT 17 TYPE	NONE	DIGIN	DIGOUT (Default = NONE)
		ANALOGIN	ANALOGOT	COUNTER
34	SLOT 18 TYPE	NONE	DIGIN	DIGOUT (Default = NONE)
		ANALOGIN	ANALOGOT	COUNTER
35	SLOT 19 TYPE	NONE	DIGIN	DIGOUT (Default = NONE)
		ANALOGIN	ANALOGOT	COUNTER
36	SLOT 20 TYPE	NONE	DIGIN	DIGOUT (Default = NONE)
		ANALOGIN	ANALOGOT	COUNTER
37	SLOT 21 TYPE	NONE	DIGIN	DIGOUT (Default = NONE)
		ANALOGIN	ANALOGOT	COUNTER
38	SLOT 22 TYPE	NONE	DIGIN	DIGOUT (Default = NONE)
		ANALOGIN	ANALOGOT	COUNTER
39	SLOT 23 TYPE	NONE	DIGIN	DIGOUT (Default = NONE)
		ANALOGIN	ANALOGOT	COUNTER
40	SLOT 24 TYPE	NONE	DIGIN	DIGOUT (Default = NONE)
		ANALOGIN	ANALOGOT	COUNTER

References: PLCG Parameter Reference Dictionary in the Implementation/PLC Gateway binder.
Data Entity Builder in the Implementation/Engineering Operations - 1 binder.

PLCG BOX/SLOT DATA CONFIGURATION FORM
(Continued)

BOX POINT DISPLAY

41	SLOT 25 TYPE	NONE	DIGIN	DIGOUT
		ANALOGIN	ANALOGOT	COUNTER (Default = NONE)
42	SLOT 26 TYPE	NONE	DIGIN	DIGOUT
		ANALOGIN	ANALOGOT	COUNTER (Default = NONE)
43	SLOT 27 TYPE	NONE	DIGIN	DIGOUT
		ANALOGIN	ANALOGOT	COUNTER (Default = NONE)
44	SLOT 28 TYPE	NONE	DIGIN	DIGOUT
		ANALOGIN	ANALOGOT	COUNTER (Default = NONE)
45	SLOT 29 TYPE	NONE	DIGIN	DIGOUT
		ANALOGIN	ANALOGOT	COUNTER (Default = NONE)
46	SLOT 30 TYPE	NONE	DIGIN	DIGOUT
		ANALOGIN	ANALOGOT	COUNTER (Default = NONE)
47	SLOT 31 TYPE	NONE	DIGIN	DIGOUT
		ANALOGIN	ANALOGOT	COUNTER (Default = NONE)
48	CHANGE DETECTION (CHNGFLAG)	**NOTCONFG**	DETECT	SET (Default = NOTCONFG)
49	VARIABLE DEADBAND (BOXVDB)	OFF	ON	(Default = OFF)
50	EVENT PROCESSING (EVENTPRC)	DISABLE	**ENABLE**	(Default = DISABLE)
51	TOG INTERVAL 1	|__|__|__|__|		(Default = 0 seconds)
***	(BOXTOG1)			
52	TOG INTERVAL 2	|__|__|__|__|		(Default = 0 seconds)
***	(BOXTOG2)			
52A	SLOT 1 TOG INTERVAL (TOGINTSL)	INTERVL1	INTERVL2	(Default = INTERVL1)
52B	SLOT 2 TOG INTERVAL	INTERVL1	INTERVL2	(Default = INTERVL1)
52C	SLOT 3 TOG INTERVAL	INTERVL1	INTERVL2	(Default = INTERVL1)
52D	SLOT 4 TOG INTERVAL	INTERVL1	INTERVL2	(Default = INTERVL1)
52E	SLOT 5 TOG INTERVAL	INTERVL1	INTERVL2	(Default = INTERVL1)
52F	SLOT 6 TOG INTERVAL	INTERVL1	INTERVL2	(Default = INTERVL1)
52G	SLOT 7 TOG INTERVAL	INTERVL1	INTERVL2	(Default = INTERVL1)
52H	SLOT 8 TOG INTERVAL	INTERVL1	INTERVL2	(Default = INTERVL1)

References: PLCG Parameter Reference Dictionary in the Implementation/PLC Gateway binder.
Data Entity Builder in the Implementation/Engineering Operations - 1 binder.

PLCG BOX/SLOT DATA CONFIGURATION FORM
(Continued)

BOX POINT DISPLAY		
52I SLOT 9 TOG INTERVAL	INTERVL1	INTERVL2 (Default = INTERVL1)
52J SLOT 10 TOG INTERVAL	INTERVL1	INTERVL2 (Default = INTERVL1)
52K SLOT 11 TOG INTERVAL	INTERVL1	INTERVL2 (Default = INTERVL1)
52L SLOT 12 TOG INTERVAL	INTERVL1	INTERVL2 (Default = INTERVL1)
52M SLOT 13 TOG INTERVAL	INTERVL1	INTERVL2 (Default = INTERVL1)
52N SLOT 14 TOG INTERVAL	INTERVL1	INTERVL2 (Default = INTERVL1)
52O SLOT 15 TOG INTERVAL	INTERVL1	INTERVL2 (Default = INTERVL1)
52AA SLOT 17 TOG INTERVAL	INTERVL1	INTERVL2 (Default = INTERVL1)
52AB SLOT 18 TOG INTERVAL	INTERVL1	INTERVL2 (Default = INTERVL1)
52AC SLOT 19 TOG INTERVAL	INTERVL1	INTERVL2 (Default = INTERVL1)
52AD SLOT 20 TOG INTERVAL	INTERVL1	INTERVL2 (Default = INTERVL1)
52AE SLOT 21 TOG INTERVAL	INTERVL1	INTERVL2 (Default = INTERVL1)
52AF SLOT 22 TOG INTERVAL	INTERVL1	INTERVL2 (Default = INTERVL1)
52AG SLOT 23 TOG INTERVAL	INTERVL1	INTERVL2 (Default = INTERVL1)
52AH SLOT 24 TOG INTERVAL	INTERVL1	INTERVL2 (Default = INTERVL1)
52AI SLOT 25 TOG INTERVAL	INTERVL1	INTERVL2 (Default = INTERVL1)
52AJ SLOT 26 TOG INTERVAL	INTERVL1	INTERVL2 (Default = INTERVL1)
52AK SLOT 27 TOG INTERVAL	INTERVL1	INTERVL2 (Default = INTERVL1)
52AL SLOT 28 TOG INTERVAL	INTERVL1	INTERVL2 (Default = INTERVL1)
52AM SLOT 29 TOG INTERVAL	INTERVL1	INTERVL2 (Default = INTERVL1)
52AN SLOT 30 TOG INTERVAL	INTERVL1	INTERVL2 (Default = INTERVL1)
52AO SLOT 31 TOG INTERVAL	INTERVL1	INTERVL2 (Default = INTERVL1)

References: PLCG Parameter Reference Dictionary in the Implementation/PLC Gateway binder.
Data Entity Builder in the Implementation/Engineering Operations - 1 binder.

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Data Entity Builder in the Implementation/Engineering Operations - 1 binder.

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Writer: **Bill Damours**

COMMENTS: _____

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RECOMMENDATIONS:_____

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