

#### PG-103-106-AA BACnet IP to JCI Metasys N2 Protocol Converter

PG-103-106-AA is highly powerful, superior, completely configurable and productive Building & Industrial Automation gateway for integrators to effortlessly interface devices to networks in commercial buildings and industrial plants.

PG-103-106-AA Gateway model supports BACnet IP and JCI Metasys N2 protocols. It is a Bidirectional Converter that can be configured as a Client and/or a Server on either protocol interface.

When configured as a JCI Metasys N2 client, the PG-103-106-AA can read data from your JCI Metasys N2 devices and publish it as BACnet IP data. Also, it can write commands sent from the BACnet IP side to the JCI Metasys N2 devices.

When configured as a BACnet IP client, the PG-103-106-AA can read data from your BACnet IP devices and publish it as JCI Metasys N2 data. Also, it can write commands sent from the JCI Metasys N2 side to the BACnet IP devices.

The PG-103-106-AA can be configured to behave as a server on both JCI Metasys N2 and BACnet IP interfaces. This mode is useful when data exchange is required between a JCI Metasys N2 client (for eg. SCADA) and a BACnet IP client (for eg. a Building Management System).

The PG-103-106-AA can be configured to behave as a client on both JCI Metasys N2 and BACnet IP interfaces.

PG-103-106-AA gateways have benefitted system integrators worldwide with its powerful line of gateways. Additionally, PG-103-106-AA gateway runs the same protocol conversion software on a productive and cost efficient platform backed by the experience, engineering expertise and technically proven support that integrators have come to expect from PG-103-106-AA.

#### **Features**

- Ability to interface upto 1000 points
- DIN rail mount optional
- DIP switches to select baud rate or node ID on the fly
- Multi-configuration capability
- BACnet COV support for fast data communication while reducing the traffic over a BACnet network



## Specifications

Farringanage	Operating Temperature: -40 to 75° C (-40 to 167°F)		
Environment	Relative Humidity:5-90% RH non-condensing		
Power	9-30 VDC or 12-24 VAC		
Requirements	Current Draw @ 12V about 250mA		
Physical	4.5x2.9x1.6 in. (11.5x7.4x4.1 cm)		
Dimensions(HxWxD)	0.4 lbs (0.2 Kg)		
	Configuration/Diagnostic utilities		
Other	Capacity: 1000 points		
	Table, Wall or DIN rail mount		
	RS-485	2	
Communication	RS-232	-	
Interfaces	Ethernet 10Base-T, 100BASE-T <sup>2</sup>	1	
	Mbus	-	
	KNX	-	
	LonWorks	-	
	TUV Approved to UL 916 and CSA C22.2 standards		
	BTL and LonMark certified		
Approvals	LonMark Certified		
Applotais	RoHS Compliant		
	GOST-R Certified		
	CE and FCC		



# **BACnet IP Protocol Driver Description**

Driver Name: BACnet/IP	Connection type:	Internet Protocol (IP)
	Ethernet Speeds Supported:	10Base-T, 100BASE-T <sup>2</sup>
	BBMD SUPPORTED:	Yes(Not supported on client connections)
	Foreign Device:	Not Supported for client
	Registration:	Connections
PG-:	103-106-AA AS A BACnet IP C	LIENT
Read Operations	Properties Supported	Comments and Limitations
Supported		
	Present Value	Store value in Data Array location after scaling has been
		applied
	Out_Of_Service	When using a Complex Data
		Object, the OOS property is
		fully supported. Return FALSE
		when not OOS or when using
		standard Data Arrays
	Units	Returns Units as specified in
	2 1: 1:10	the Map Descriptor
	Reliability	When using a Complex Data
		Objects, returns "Unreliable Other" when the Node is
		offline, or when the data is old.
		Returns FALSE if the Node is
Read Property		online or when using Standard
Read Property		Data Arrays
	Priority_Array	Returns Priority_Array of Map
	,,	Descriptor
	Unsupported	This property is supported
	Protocol_Object_Type_Supported	This property is supported
	Protocol_Services_Supported	This property is supported
	Database_Revision	This property is supported and
		will change if a new
		configuration is downloaded to
		the FS
	Max_Master	This property is supported for
		the BACnet /MSTP DLL option
	Max_Info_Frames	This property is supported for
	Dalinaviah Dafavih	the BACnet/MSTP DLL option
	Relinguish_Default	Returns Relinguish _Default
	As for Read Property	Transactions can be defined to
Read Property Multiple	As for Read Froperty	read multiple objects and
Redu i roperty ividitiple		properties in a single
		properties in a single

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		ReadPropertyMultiple
		1
	A 1 1	operation.
	ALL	Read Property Multiple of the
		ALL property is NOT supported
Write Operations	Properties Supported	Comments and Limitations
Supported		
Write Property		Send value in Data Array
Write Property Multiple	Present Value	location after scaling has been applied
	6-103-106-AA AS A BACnet IP SE	RVER
DEVICE OBJECT		
Read Operations Supported	Properties Supported	Comments and Limitations
	Object_Identifier	Returns Object _ID with
		Node_ID as Object Instance
	Object_Name	Returns Node Name
	Object_Type	Returns Device Object type
	System_Status	Returns Normal
	Vendor_Name	Returns PG-10XX Technologies
	Vendor_Identifier	Returns 37
	Model_Name	Returns PG-10XX model
	Firmware_revision	Returns Kernel Version
	Application_sw_version	Returns DCC version
	Protocol_Version	Returns version 1
	Protocol_Revision	Returns version 1
	Protocol_Services_Supported	This property is supported
	Protocol_Object_Type_Supported	This property is supported
	Protocol_Object_List	Returns a list of objects
Read Property		defined in the PG-10XX
	Max_APDU_Length_Accepted	For PG-10XX,the MAX APDU
		length for BACnet MSTP is 480
		bytes and for BACnet
		IP/BACnet Eth 1497 bytes
	Segmentation_Supported	Returns Segmantation NOT
		Supported
	APDU_Timeout	Returns the value as defined
		by the Node's "Timeout"
		paramater
	APDU_Retries	Returns the value as defined
		by the Node's "Retries"
		parameter
	Device_Address_Bindings	Returns an empty list
	Max_Master	This property is supported for
		the BACnet/MSTP DLL option



	Max_info_Frames	This property is supported for
		the BACnet/MSTP DLL option
	Description	This property is supported
	Database_Revision	This property is supported and will change if a new configuration is downloaded to the PG-10XX
Read Property Multiple	Same properties as Read Property	Read Property Multiple is fully supported. Multiple objects with multiple properties can be specified
Write Operations Supported	Properties Supported	Comments and Limitation
Supported	Max_Master	This Property is supported for
	IVIGA_IVIGSTEI	the BACnet /MSTP DLL option
Write Property	Max_info_Frames	This Property is supported for
	waxorames	the BACnet /MSTP DLL option
	Max_Master	This Property is supported for
	_	the BACnet /MSTP DLL option
Write Property Multiple	Max_info_Frames	This Property is supported for
		the BACnet /MSTP DLL option
Analog Input Object		
Read Operations	Properties Supported	Comments and Limitations
Supported		
	Object_Identifier	No Limitations
	Object_Name	Returns Map Descriptor Name
	Object_Type	Returns Analog Input Object
		Туре
	Present_Value	Returns value in Data_Array
		after scaling has been applied
	Status_Flags	When using Complex Data Objects returns the FAULT and OUT_OF_SERVICE fields as
		indicated in section 12.2.7 of
Read Property		the BACnet specification.
		When using standard Data
		Arrays returns FALSE for all
		bits.
	Event_State	No Limitations
	Reliability	When using a Complex Data
		Objects, returns Unreliable
		Other when the Node is
		offline, or when the data is old.
		Returns FALSE if the node is online or when using Standard



		Data Arrays
	Out_Of_Service	Fully supported when using a
	53_55555	Complex data Object. Returns
		FALSE when not OOS or when
		using standard Data Arrays
	Description	This property is supported
	Units	Returns Units as specified in
		the Map Descriptor
Read Property Multiple	Same properties as Read Property	Read Property Multiple is fully
nedd Froperty Manapie	Same properties as nead in openty	supported. Multiple objects
		with Multiple properties can
		be specified
With Orangian	Borond's Consider	0
Write Operations Supported	Properties Supported	Comments and Limitations
Write Property	Present_Value	Writing to the Present Value is
Write Property Multiple	Present_value	allowed if the Object is OOS
Data Sharing Operations	Properties Supported	Comments and Limitations
Supported	1 Toperties Supported	Comments and Limitations
SubscribeCOV	Present_value	Subscription storage is non-
		volatile
COVNotification	Present_value	Confirmed and Unconfirmed
Alarm and Event	Properties Supported	Comments and Limitations
Operations Supported		
EventNotification	Present_Value,Status	Confirmed and Unconfirmed
AcknowledgeAlarm		No limitations
Analog Output Object, An	alog Value Object	
Read Operations	Properties Supported	Comments and Limitations
Supported	Froperties Supported	Comments and Limitations
	Object_Identifier	No Limitations
	Object_Name	Returns "Map Descriptor Name"
	Object_Type	Returns Analog Output Object
		type
	Present_Value	Returns value in Data Array
Read Property		after scaling has been applied
	Status_Flags	When using Complex Data
		Objects returns the FAULT and
		OUT_OF_SERVICE fields as
		indicated in section 12.2.7 of
		the BACnet specification.



		Arrays returns FALSE for all bits
	Event_State	No Limitations
	Reliability	When using a Complex Data
	,	Objects, returns "Unreliable
		Other" when the Node is
		offline, or when the data is old.
		Returns FALSE if the Node is
		online or when using Standard
		Data Arrays
	Out_Of_Service	Fully supported when using a
		Complex Data Object. Returns
		FALSE when not OOS or when
		using standard Data Arrays
	Units	Returns Units as specified in
		the Map Descriptor
	Priority_Array	Returns Priority_Array of Map
	,_ ,	Descriptor
	Description	This property is supported
	Relinguish_Default	Returns Religuish _Default
Read Property Multiple	Same properties as Read Property	Read Property Multiple is fully
		supported. Multiple objects
		with multiple properties can
		be specified
Write Operations Supported	Properties Supported	Comments and Limitations
Write Property		When using Complex Data
Write Property Multiple		Objects and OOS is TRUE, then
		the write will not cause a
		write-through operation to the
	Present_Value	Server side. If the OOS is FALSE
		or when using standard Data
		Arrays then writes will always
		cause a write-through
		operation to the Server side
Data Sharing Operations	Properties Supported	Comments and Limitations
Supported	1 Toperties Supported	Comments and Limitations
SubscribeCOV	Present_Value	Subscription storage is non-
- 54250118000	esent_value	volatile
COVNotification	Present Value	Confirmed and Unconfirmed
	<u> </u>	
Alarm and Event	Properties Supported	Comments and Limitations
Operations Supported		
Event Notification	Present_Value, Status	Confirmed and Unconfirmed
AcknowledgeAlarm		No Limitations
-		



Binary Input Object		
Read Operations	<b>Properties Supported</b>	Comments and Limitations
Supported		
	Object_Identifier	No Limitations
	Object_Name	Returns "Map Descriptor
		Name"
	Object_Type	Returns Analog Input Object
		type
	Present_Value	Returns the binary value in the
	Chahua Flaga	data array
	Status_Flags	When using Complex Data Objects returns the FAULT and
		OUT_OF_SERVICE fields as
		indicated in section 12.2.7 of
		the BACnet specification.
		When using standard Data
		Arrays returns FALSE for all bits
	Event_State	No Limitations
	Reliability	When using a Complex Data
Pood Proporty		Objects, returns "Unreliable
Read Property		Other" when the Node is
		offline, or when the data is old.
		Returns FALSE if the Node is
		online or when using Standard
		Data Arrays
	Out_Of_Service	Fully supported when using
		Complex Data Object. Returns
		FALSE when not OOS or when
	Polarity	using standard Data Arrays Always returns "Normal"
	Active_Text	Returns Active Text as
	Active_rext	specified on the Map
		Descriptor
	Description	This property is supported
	Inactive_Text	Returns Inactive Text as
	_	specified on the Map
		Descriptor
	·	
Read Property Multiple	Same properties as Read Property	Read property Multiple is fully
		supported. Multiple objects
		with multiple properties can
		be specified
	T	
Write Operations	Properties Supported	Comments and Limitations
Supported		
Write Property	Present_Value	Writing to the Present Value is
Write Property Multiple		allowed if the Object is OOS



Data Sharing Operations	Properties Supported	Comments and Limitations
Supported	Dungant Value	Cub-swinting stages in any
SubscribeCOV	Present_Value	Subscription storage is non-volatile
COVNotification	Present_Value	Confirmed and Unconfirmed
Alarm and Event Operations Supported	Properties Supported	Comments and Limitations
Event Notification	Present Value, Status	Confirmed and Unconfirmed
AcknowledgeAlarm	_ ,	No Limitations
Disco O to t Obicat Disc	. Wal a Obtain	
Binary Output Object, Bina Read Operations	Properties Supported	Comments and Limitations
Supported	Properties Supported	Comments and Emitations
	Object_Identifier	No Limitations
	Object_Name	Returns "Map Descriptor Name"
	Object_Type	Returns Analog Input Object type
	Present_Value	Returns the binary value in the data array
	Status_Flags	When using Complex Data Objects returns the FAULT and OUT_OF_SERVICE fields as indicated in section 12.2.7 of the BACnet specification. When using standard Data Arrays returns FALSE for all bits
Read Property	Event_State	No Limitations
	Reliability	When using a Complex Data Objects, returns "Unreliable Other" when the Node is offline, or when the data is old. Returns FALSE if the Node is online or when using Standard Data Arrays
	Out_Of_Service	Fully supported when using Complex Data Object. Returns FALSE when not OOS or when using standard Data Arrays
	Priority_Array	Returns Priority_Array of Map Descriptor
	Religuish_Default	Returns Current



		Relinguish_Default
	Description	This property is supported
	Active_Text	Returns Active Text as
	Active_Text	specified on the Map
		Descriptor
	Inactive_Text	Returns Inactive Text as
	mactive_rext	specified on the Map
		Descriptor
		Descriptor
Read Property Multiple	Same properties as Read Property	Read property Multiple is fully
Read Froperty Waltiple	Sume properties as Read Property	supported. Multiple objects
		with multiple properties can
		be specified
		be specified
Write Operations	Properties Supported	Comments and Limitations
Supported		
Write Property		When using Complex Data
Write Property Multiple		Objects and OOS is TRUE, then
		the write will not cause a
		write-through operation to the
	Present_Value	downstream side. If the OOS is
	Tresent_value	FALSE or when using standard
		Data Arrays when writes will
		always cause a write-through
		operation to the downstream
		side
Data Sharing Operations	Properties Supported	Comments and Limitations
Supported		
SubscribeCOV	Present_Value	Subscription storage is non-
		volatile
COVNotification	Present_Value	Confirmed and Unconfirmed
	T	
Alarm and Event	Properties Supported	Comments and Limitations
Operations Supported		
Event Notification	Present_Value, Status	Confirmed and Unconfirmed
AcknowledgeAlarm		No Limitations
** In the second second		
Multiple State Input Object	<u> </u>	I <b></b> .
Read Operations	Properties Supported	Comments and Limitations
Supported		
	Object_Identifier	No Limitations
	Object_Name	Returns "Map Descriptor
Read Property		Name"
	Object_Type	Returns Analog Input Object
		type



	Present_Value	Returns unsigned Integer value
	0	in the data array
	Status_Flags	When using Complex Data Objects returns the FAULT and
		OUT_OF_SERVICE fields as
		indicated in section 12.2.7 of
		the BACnet specification.
		When using standard Data
		Arrays returns FALSE for all bits
	Event_State	No Limitations
	Reliability	When using a Complex Data
		Objects, returns "Unreliable
		Other" when the Node is
		offline, or when the data is old.
		Returns FALSE if the Node is
		online or when using Standard
		Data Arrays
	Description	This property is supported
	Out_Of_Service	When using a Complex Data
		Object, the OOS property is
		fully supported. Returns FALSE
		when not OOS or when using
		standard Data Arrays
	Number_Of_State	When using a Complex Data
		Object, returns the number of
		states defined. When using
		Standard Data Arrays returns
	Charles To 1	the value of 5
	State_Text	When using Complex Data
		Objects returns the State Text
		Strings defined. When using
		Standard Data Arrays return
		"State_X" where "X" is the
		value stored in Data_Array and
		could be 0 to 4
Read Property Multiple	Same properties as Read Property	Read property Multiple is fully
Head Froperty Multiple	Jame properties as nead Froperty	supported. Multiple objects
		with multiple properties can
		be specified
		30 Specifica
Write Operations	Properties Supported	Comments and Limitations
Supported		
Write Property	Dunnant Val	Writing to the Present Value is
Write Property Multiple	- Present_Value	allowed if the Object is OOS
Data Sharing Operations	Properties Supported	Comments and Limitations



Supported		
SubscribeCOV	Present_Value	Subscription storage is non-volatile
COVNotification	Present_Value	Confirmed and Unconfirmed
Alama and Frank	Duran anti- a Command and	Comments and limitations
Alarm and Event Operations Supported	Properties Supported	Comments and Limitations
Event Notification	Present_Value, Status	Confirmed and Unconfirmed
AcknowledgeAlarm		No Limitations
Multi-State Output Object	t, Multi-State Value Object	
Read Operations Supported	Properties Supported	Comments and Limitations
	Object_Identifier	No Limitations
	Object_Name	Returns "Map Descriptor Name"
	Object_Type	Returns Analog Input Object type
	Present_Value	Returns unsigned Integer value in the data array
	Status_Flags	When using Complex Data Objects returns the FAULT and OUT_OF_SERVICE fields as indicated in section 12.2.7 of the BACnet specification. When using standard Data Arrays returns FALSE for all bits
	Event_State	No Limitations
Read Property	Reliability	When using a Complex Data Objects, returns "Unreliable Other" when the Node is offline, or when the data is old. Returns FALSE if the Node is online or when using Standard Data Arrays
	Out_Of_Service	Fully supported when using a Complex Data Object. Returns FALSE when not OOS or when using standard Data Arrays
	Number_Of_State	When using a Complex Data Object, returns the number of states defined. When using Standard Data Arrays returns the value of 5
	State_Text	When using Complex Data Objects returns the State Text Strings defined. When using Standard Data Arrays return



		"State_X" where "X" is the
		value stored in Data Array and
		could be 0 to 4
	Description	This property is supported
	Priority_Array	Returns Priority_Array of Map
		Descriptor
	Religuish_Default	Returns Relinguish_Default
Read Property Multiple	Same properties as Read Property	Read property Multiple is fully
		supported. Multiple objects
		with multiple properties can
	<del> </del>	be specified
Write Operations Supported	Properties Supported	Comments and Limitations
Write Property		When using Complex Data
Write Property Multiple		Objects and OOS is FALSE or
	Present Value	when using standard data
	Present_Value	arrays, writes will trigger a
		write through operation to
		client side
Data Sharing Operations Supported	Properties Supported	Comments and Limitations
SubscribeCOV	Present_Value	Subscription storage is non-volatile
COVNotification	Present_Value	Confirmed and Unconfirmed
Alarm and Event	Properties Supported	Comments and Limitations
Operations Supported		
Event Notification	Present_Value, Status	Confirmed and Unconfirmed
AcknowledgeAlarm		No Limitations
<b>Notification Class Object</b>		
Read Operations	Properties Supported	Comments and Limitations
Supported		
	Object_Identifier	No Limitations
	Object_Name	Returns "Map Descriptor
		Name"
	Object_Type	Returns Notification Class
		Object type
Read Property	Description	No Limitations
	Notification_Class	No Limitations
	Priority	No Limitations
	Ack_Required	No Limitations
	Description	This Property is supported
	Recipient List	No Limitations



Read Property Multiple	Same properties as Read Property	Read property Multiple is fully supported. Multiple objects with multiple properties can be specified	
Write Operations	Properties Supported	Comments and Limitations	
Supported			
Write Property	Destrict History	RecipientList storage is non- volatile	
Write Property Multiple	Recipient_List		
AddList	RecipientList	Used to subscribe to Alarm	
		and Event Notifications	
Unsupported Functions Ar	nd Data Tynes		
BACnet Object Type not Su			
Averaging Object	1-1		
Calendar Object			
Command Object			
Event Enrollment Object			
File Object			
Group Object			
Life Safety Point Object			
Life Safety Zone Object			
Loop Object			
Notification Class Object unsu	upported on Client side only		
Program Object			
Schedule Object			
BACnet Services not Suppo	orted		
Alarm and Event Services uns			
File Access Services	,		
Virtual Terminal Services			
COV and EventNotification se	rvices are not supported for BACnet		
MSTP on the ProtoCessor			
5 DAG (AACTD DTD ) A	rcnet , COV services are disabled by def		

## **JCI Metasys N2 Protocol Driver Description**

PG-103-106-AA Mode	Comments	
Client	Nodes: 1 Only 1 client node allowed on Multidrop systems. Can	
	communicate with:	
	- N2Open	

setting the Node\_Option property to COV\_Enable in the Nodes section configuration file.

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	- VMA 1400 series (AI, BI, AO, BO and custom types)			
Convor	-DX9100/XT9100 Nodes: 255			
Server	Noues. 233			
	Serial			
Formal Driver Type	Client			
	Server			
Connection Information				
Connection type:	RS-485 (Two-wire, Half Duplex)			
Baud Rates:	9600 (N2 Standard)			
Data Bits:	8			
Stop Bits:	1			
Parity:	None			
Multidrop Capability:	Yes			
N2Open Functions:				
Data Type Supported	B			
PG-103-106-AA Data	Description			
Type	Analog Innut (AI)			
Analog_Input Digital_Input	Analog Input (AI) Binary Input (BI)			
Analog_Output	Analog Output (AO)			
Digital_Output	Binary Output (BO)			
Float_Reg	Internal Float value (ADF)			
Integer	Internal Integer value (ADI)			
Byte	Internal Byte value (BD)			
,	, , ,			
Read Operations Suppor	rted			
PG-103-106-AA As a Clie	nt	PG-103-106-AA As a Server		
Read Current Value (all o		Read Current Value (all data types) direct read,		
Change-of –State (COS)		Change-of –State (COS) poll		
Read Attribute (all data t	• • • • • • • • • • • • • • • • • • • •	Read Attribute (all data types): direct read,		
specifying a legal attribu	te number	specifying a legal attribute number		
Identify Self Command		Identify Self Command		
Read All Attributes (Optional): These commands		Read All Attributes (Optional): These commands		
are used to read all attributes of specified		are used to read all attributes of specified (Analog Input, Binary Input, Analog Output,		
(Analog Input, Binary Input, Analog Output, Binary Output) object without specifying		Binary Output) object without specifying		
attribute number.		attribute number.		
and the state of t				
Write (Control) Operation	ons Supported			
PG-103-106-AA As a Clie		PG-103-106-AA As a Server 2		
Override Current Value (All data types)		Override Current Value (All data types)		
implemented as Write on PG-103-106-AA		implemented as Write on PG-103-106-AA		
Override Release (all dat		Override Release (all data types)		
Write Attribute (all data	Write Attribute (all data types) direct write, Write Attribute (all data types) direct write,			



Putput (BO) Float value (A Integer value Byte value (E  PO ) poll  rted	e (ADI)	
Putput (BO) Float value (A Integer value Byte value (E  PO ) poll  rted	G-103-106-AA As a Server  Not Applicable	
Output (BO) Float value (A Integer value Byte value (E  P(	G-103-106-AA As a Server	
Output (BO) Float value (A Integer value Byte value (E	G-103-106-AA As a Server	
Output (BO) Float value (A Integer value Byte value (E	G-103-106-AA As a Server	
Output (BO) Float value (A Integer value Byte value (E	e (ADI) BD)	
Output (BO) Float value (A Integer value	e (ADI)	
Output (BO) Float value (A Integer value	e (ADI)	
Output (BO) Float value (A Integer value	e (ADI)	
Output (BO) Float value (A	•	
Output (BO)	ADE)	
Analog Output (AO)		
	Binary Input (BI)	
nput (AI)		
tion		
	this command.	
	PG-103-106-AA clocks are updated on receipt of	
	Time Synch	
I, upload)	Not Required PG-103-106-AA is a data transfer device)	
	·	
	Not Required	
	Not Required	
	Not Poquired	
	Not Required	
. 1 pc3	Reason	
Tynes		
	specifying an attribute number.	
jects without	attribute of internal parameter objects without	
ne value	This command is used to change the value	
nd (Optional).	·	
mber.	without specifying an attribute number.	
tput) object	Input, Analog Output or Binary Output) object	
Input, Binary	characterize the specified (Analog Input, Binary	
	commands are used to set all attributes that	
	specifying a legal attribute number  Write characterize Attributes (Optional). These	
i k l t ^ i	tput) object mber. d (Optional). ne value ects without  Types  I, upload)	



106-AA					
Override Release (Al and Bl only) uses					
writes for outputs and internal values					
'					
Unsupported Functions and Data Types					
Function		Reason			
Programming messages(upload,download)		Not required – PG-103-106-AA is a data transfer device			
DX9100 Functions:					
Data Types Supported	Data Types Supported				
PG-103-106-AA Data	Description	Description			
Туре					
	Supported sections of Address Map:				
General control me		nodule			
Programmable mo		odules 1-12			
Analog input modu		ules 1-8			
	Analog output modules 1-2				
	Digital output modules 3-8				
	Extension module	s 1-8			
	Time schedules 1-8				
	Optimal start/stop modules 1-2				
Analog output mod		odules 9-10			
Auxiliary analog out		utput modules 11-13			
Read Operations Suppor	ted				
PG-103-106-AA As a Clie	nt	PG-103-106-AA As a Server			
Read of all points support	ted	Not Applicable			
Write (Control) Operatio	• • • • • • • • • • • • • • • • • • • •				
PG-103-106-AA As a Clie		PG-103-106-AA As a Server			
Write of all points supported		Not Applicable			
DX9100 may not allow writes to specific					
values					
Unsupported Functions and Data Types					
Function		Reason			
Programming messages		Not required – PG-103-106-AA is a data transfer device			



