PG-102-105-AC BACnet MS/TP to LonWorks Protocol Converter

PG-102-105-AC 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-102-105-AC Gateway model supports BACnet MS/TP and LonWorks 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 LonWorks client, PG-102-105-AC can read data from your LonWorks devices and publish it as BACnet MS/TP data. Also, it can write commands sent from the BACnet MS/TP side to the LonWorks devices.

When configured as a BACnet MS/TP client, the PG-102-105-AC can read data from your BACnet MS/TP devices and publish it as LonWorks data. Also, it can write commands sent from the LonWorks side to the BACnet MS/TP devices.

PG-102-105-AC can be configured to behave as a server on both LonWorks and BACnet MS/TP interfaces. This mode is useful when data exchange is required between a LonWorks client (for eg. SCADA) and a BACnet IP client (for eg. a Building Management System).

The PG-102-105-AC can be configured to behave as a client on both LonWorks and BACnet MS/TP interfaces.

PG-102-105-AC gateways have benefitted system integrators worldwide with its powerful line of gateways. Additionally, PG-102-105-AC 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-102-105-AC.

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

Farring amount	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	-	
Communication	RS-232	-	
Interfaces	Ethernet 10Base-T, 100BASE-T ² 1		
	Mbus	-	
	KNX -		
	TUV Approved to UL 916 and CSA C22.2 standards		
	BTL and LonMark certified		
Approvals	LonMark Certified		
Approvais	RoHS Compliant		
	GOST-R Certified		
	CE and FCC		

BACnet MS/TP Protocol Driver Description

	Connection type:	RS-485 (Two wire, half-duplex)
	Baud Rates:	9600,19200,38400 and 76800 ³
Driver Name:	Data Bits:	7,8
BACnet/MSTP	Stop Bits:	1,2
BACHEGIVISTE	Parity:	Odd, Even, None
	Multidrop Capability:	Yes
	Multidiop Capability.	res
PG-102	2-105-AC AS A BACnet MS/TP	CLIENT
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
		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
nead reperty		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
		the BACnet/MSTP DLL option
	Relinguish Default	Returns Relinguish _Default
	0	
	As for Read Property	Transactions can be defined to
	7.5.51 Reda Froperty	read multiple objects and
		properties in a single
Read Property Multiple		ReadPropertyMultiple
		operation.
	ALL	Read Property Multiple of the
	, .c.L	I head i toperty Multiple of the

		ALL property is NOT supported
Write Operations Supported	Properties Supported	Comments and Limitations
Write Property Write Property Multiple	Present Value	Send value in Data Array location after scaling has been applied
PG-1	.02-105-AC AS A BACnet MS/TP	SERVER
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
		defined in the PG-10XX
Read Property	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
Write Property	Max_Master	This Property is supported for the BACnet /MSTP DLL option
Write Froperty	Max_info_Frames	This Property is supported for the BACnet /MSTP DLL option
Marie Barrett MA History	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 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 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 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 a 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

		supported. Multiple objects with Multiple properties can be specified
Write Operations Supported	Properties Supported	Comments and Limitations
Write Property Write Property Multiple	Present_Value	Writing to the Present Value is allowed if the Object is OOS
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		
EventNotification	Present_Value,Status	Confirmed and Unconfirmed
AcknowledgeAlarm		No limitations
Analog Output Object, Ana	alog Value Object	
Read Operations Supported	Properties Supported	Comments and Limitations
опристем	Object_Identifier	No Limitations
	Object_Name	Returns "Map Descriptor Name"
	Object_Type	Returns Analog Output Object type
	Present_Value	Returns value in Data Array after scaling has been applied
Read Property	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
	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 Operations Supported Write Property	Properties Supported	When using Complex Data
Write Property Multiple	Present_Value	Objects and OOS is TRUE, then the write will not cause a write-through operation to the 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
		operation to the server side
Data Sharing Operations Supported	Properties Supported	Comments and Limitations
SubscribeCOV	Present_Value	Subscription storage is non-volatile
COVNotification	Present_Value	Confirmed and Unconfirmed
		T
Alarm and Event Operations Supported	Properties Supported	Comments and Limitations
Event Notification	Present_Value, Status	Confirmed and Unconfirmed
AcknowledgeAlarm	Tresent_value, status	No Limitations
Binary Input Object	Donatic Constant	
Read Operations Supported	Properties Supported	Comments and Limitations
- appoited	Object_Identifier	No Limitations
	Object_Name	Returns "Map Descriptor Name"
	Object_Type	Returns Analog Input Object type
Dood Drawards	Present_Value	Returns the binary value in the data array
Read Property	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
	Out_Of_Service	Data Arrays Fully supported when using Complex Data Object. Returns FALSE when not OOS or when using standard Data Arrays
	Polarity Active_Text	Always returns "Normal" Returns Active Text as specified on the Map Descriptor
	Description Inactive_Text	This property is supported 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
Write Operations Supported	Properties Supported	Comments and Limitations
		Writing to the Present Value is
Write Property Write Property Multiple	Present_Value	allowed if the Object is OOS
Write Property Multiple Data Sharing Operations	Present_Value Properties Supported	
Write Property Multiple		allowed if the Object is OOS
Write Property Multiple Data Sharing Operations Supported	Properties Supported	Comments and Limitations Subscription storage is non-
Write Property Multiple Data Sharing Operations Supported SubscribeCOV	Properties Supported Present_Value	Comments and Limitations Subscription storage is non-volatile
Write Property Multiple Data Sharing Operations Supported SubscribeCOV COVNotification Alarm and Event	Properties Supported Present_Value Present_Value	Comments and Limitations Subscription storage is non-volatile Confirmed and Unconfirmed
Write Property Multiple Data Sharing Operations Supported SubscribeCOV COVNotification Alarm and Event Operations Supported	Properties Supported Present_Value Present_Value Properties Supported	Comments and Limitations Subscription storage is non-volatile Confirmed and Unconfirmed Comments and Limitations
Data Sharing Operations Supported SubscribeCOV COVNotification Alarm and Event Operations Supported Event Notification AcknowledgeAlarm	Properties Supported Present_Value Present_Value Properties Supported Present_Value, Status	Comments and Limitations Subscription storage is nonvolatile Confirmed and Unconfirmed Comments and Limitations Confirmed and Unconfirmed
Data Sharing Operations Supported SubscribeCOV COVNotification Alarm and Event Operations Supported Event Notification AcknowledgeAlarm Binary Output Object, Bina Read Operations	Properties Supported Present_Value Present_Value Properties Supported Present_Value, Status	Comments and Limitations Subscription storage is nonvolatile Confirmed and Unconfirmed Comments and Limitations Confirmed and Unconfirmed
Data Sharing Operations Supported SubscribeCOV COVNotification Alarm and Event Operations Supported Event Notification AcknowledgeAlarm Binary Output Object, Bina	Properties Supported Present_Value Present_Value Properties Supported Present_Value, Status ry Value Object	Comments and Limitations Subscription storage is non-volatile Confirmed and Unconfirmed Comments and Limitations Confirmed and Unconfirmed No Limitations

		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
	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
	0 4.5_000. 1.00	Complex Data Object. Returns
		FALSE when not OOS or when
		using standard Data Arrays
	Priority_Array	Returns Priority_Array of Map
	7_ 7	Descriptor
	Religuish_Default	Returns Current
	0 =	Relinguish_Default
	Description	This property is supported
	Active_Text	Returns Active Text as
	_	specified on the Map
		Descriptor
	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
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
	Present_Value	write-through operation to the
	Freschi_value	downstream side. If the OOS is
		FALSE or when using standard
		Data Arrays when writes will
		always cause a write-through

		operation to the downstream 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 Operations Supported	Properties Supported	Comments and Limitations
Event Notification	Present_Value, Status	Confirmed and Unconfirmed
AcknowledgeAlarm		No Limitations
Multiple State 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 type
	Present_Value	Returns unsigned Integer value in the data array
Read Property	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 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 supported. Multiple objects with multiple properties can be specified
Write Operations	Properties Supported	Comments and Limitations
Supported		
Write Property Write Property Multiple	Present_Value	Writing to the Present Value is allowed if the Object is OOS
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
Multi-State Output Object,	Multi-State Value 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 type
	Present_Value	Returns unsigned Integer value in the data array
Read Property	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.

Neturns FALSE if the Node is online or when using Satandard Data Arrays			D. FALCE (C.I. AL. I.)
Out_Of_Service 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 Number_of_Stat			Returns FALSE if the Node is
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 Number_Of_Sta			
Number_Of_State			·
FALSE when not OOS or when using standard Data Arrays		Out_Of_Service	
Number_Of_State			
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			
Object, returns the number of states defined. When using Standard Data Arrays returns the value of 5			-
states defined. When using Standard Data Arrays returns the value of 5 State_Text		Number_Of_State	
Standard Data Arrays returns the value of 5 State_Text 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 return "State_X" where "X" is the value stored in Data_Array and could be 0 to 4 Description Priority_Array Returns Priority_Array of Map Descriptor Religuish_Default Read Property Multiple Same properties as Read Property Write Operations Supported Write Operations Supported Write Property Write Property Multiple Present_Value Present_Value Data Sharing Operations Supported SubscribeCOV Present_Value Subscription storage is non-volatile COVNotification Properties Supported Comments and Limitations Comments and Unconfirmed Alarm and Event Operations Supported Present_Value, Status Confirmed and Unconfirmed Comments and Limitations			
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			1
State_Text 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			
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 be specified Write Operations Supported Write Property Write Property Write Property Multiple Present_Value Present_Value Present_Value Data Sharing Operations Supported SubscribeCOV Present_Value Subscription storage is non- volatile COVNotification Present_Value Confirmed and Unconfirmed Alarm and Event Operations Supported Present_Value, Status Confirmed and Unconfirmed No Limitations Notification Class Object			the value of 5
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value stored in Data_Array and could be 0 to 4 Description This property is supported Returns Priority_Array of Map Descriptor Religuish_Default Returns Relinguish_Default Read Property Multiple Same properties as Read Property supported. Multiple objects with multiple properties can be specified Write Operations Supported When using Complex Data Objects and OOS is FALSE or when using standard data arrays, writes will trigger a write through operation to client side Data Sharing Operations Supported Data Sharing Operations Supported Data Sharing Operations Supported Present_Value Comments and Limitations Properties Supported Comments and Limitations Supported Subscription storage is non-volatile COVNotification Present_Value Confirmed and Unconfirmed Alarm and Event Operations Supported Present_Value, Status Confirmed and Unconfirmed No Limitations No Limitations			Standard Data Arrays return
Description			"State_X" where "X" is the
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 be specified Write Operations Supported Write Property Write Property Write Property Multiple Present_Value Present_Value Present_Value Present_Value Data Sharing Operations Supported SubscribeCOV Present_Value Present_Value Comments and Limitations Supported Comments and Limitations Supported Comments and Limitations			value stored in Data_Array and
Priority_Array Returns Priority_Array of Map Descriptor 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 Write Property Write Property Write Property Multiple Present_Value Present_Value Present_Value Present_Value Data Sharing Operations Supported SubscribeCOV Present_Value Subscription storage is non-volatile COVNotification Present_Value Properties Supported Comments and Limitations Comments and Unconfirmed Alarm and Event Operations Supported Event Notification Present_Value, Status Confirmed and Unconfirmed No Limitations Notification Class Object			could be 0 to 4
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Despecified Comments and Limitations			supported. Multiple objects
Despecified Comments and Limitations			with multiple properties can
Supported Write Property Write Property Multiple Present_Value Present_Value Present_Value Present_Value Present_Value Present_Value Present_Value Present_Value Data Sharing Operations Supported SubscribeCOV Present_Value Subscription storage is non-volatile COVNotification Present_Value Comments and Limitations Comments and Unconfirmed Alarm and Event Operations Supported Present_Value, Status Confirmed and Unconfirmed AcknowledgeAlarm No Limitations Notification Class Object			be specified
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Present_Value When using standard data arrays, writes will trigger a write through operation to client side Data Sharing Operations Supported SubscribeCOV Present_Value Subscription storage is non-volatile COVNotification Present_Value Confirmed and Unconfirmed Alarm and Event Operations Supported Event Notification Present_Value, Status Confirmed and Unconfirmed No Limitations No Limitations No Limitations			
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SubscribeCOV Present_Value Subscription storage is non-volatile COVNotification Present_Value Confirmed and Unconfirmed Alarm and Event Operations Supported Event Notification Present_Value, Status Confirmed and Unconfirmed No Limitations Notification Class Object			
SubscribeCOV Present_Value Subscription storage is non-volatile COVNotification Present_Value Confirmed and Unconfirmed Alarm and Event Operations Supported Event Notification Present_Value, Status Confirmed and Unconfirmed AcknowledgeAlarm No Limitations Notification Class Object	Data Sharing Operations	Properties Supported	Comments and Limitations
SubscribeCOV Present_Value Subscription storage is non-volatile COVNotification Present_Value Confirmed and Unconfirmed Alarm and Event Operations Supported Event Notification Present_Value, Status Confirmed and Unconfirmed No Limitations Notification Class Object	· .		
COVNotification Present_Value Confirmed and Unconfirmed Alarm and Event Properties Supported Comments and Limitations Event Notification Present_Value, Status Confirmed and Unconfirmed No Limitations Notification Class Object		Present Value	Subscription storage is non-
Alarm and Event Operations Supported Event Notification AcknowledgeAlarm Present_Value Operations Supported Present_Value, Status Confirmed and Unconfirmed Comments and Limitations Confirmed and Unconfirmed No Limitations Notification Class Object		1.2501.3.30	_
Alarm and Event Operations Supported Event Notification AcknowledgeAlarm Properties Supported Comments and Limitations Confirmed and Unconfirmed No Limitations Notification Class Object	COVNotification	Present Value	
Operations Supported Confirmed and Unconfirmed Event Notification Present_Value, Status Confirmed and Unconfirmed AcknowledgeAlarm No Limitations Notification Class Object			
Operations Supported Confirmed and Unconfirmed Event Notification Present_Value, Status Confirmed and Unconfirmed AcknowledgeAlarm No Limitations Notification Class Object	Alarm and Event	Properties Supported	Comments and Limitations
Event Notification Present_Value, Status Confirmed and Unconfirmed AcknowledgeAlarm No Limitations Notification Class Object			
AcknowledgeAlarm No Limitations Notification Class Object		Present Value Status	Confirmed and Unconfirmed
Notification Class Object		Tresent_value, status	
	AckilowicugeAldIII		NO LITHICACIONS
	Notification Class Object		
kead Operations Properties Supported Comments and Limitations	•	Duomouting Commont of	Comments and the traits
	kead 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		RecipientList storage is non-
Write Property Multiple	Recipient_List	volatile
AddList	RecipientList	Used to subscribe to Alarm
	1100101112100	and Event Notifications
Unsupported Functions A	nd Data Types	
BACnet Object Type not S		
• • • • • • • • • • • • • • • • • • • •	upporteu	
Averaging Object		
Calendar Object		
Command Object		
Event Enrollment Object		
File Object		
Group Object		
Life Safety Point Object		
Life Safety Zone Object		
Loop Object		
Notification Class Object uns	upported on Client side only	
Program Object		
Schedule Object		
BACnet Services not Supp	orted	
Alarm and Event Services un	supported on Client side only	
File Access Services		
Virtual Terminal Services		
COV and EventNotification se	ervices are not supported for BACnet	
MSTP on the ProtoCessor		
For BACnet MSTP , PTP and A	arcnet, COV services are disabled by def	ault and may be enabled by
setting the Node_Option pro	perty to COV_Enable in the Nodes secti	on configuration file.
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LonWorks Protocol Driver Description

PG-102-105-AC Mode	Comments		
Client	Nodes: 1 The PG-102-105-AC can only represent one LonWorks		
Server	Device on the LonWorks Network. A LonWorks device is unique		
	in te	erms of its Neuron Chip Identification Number.	
Formal Driver Type	FieldBus		
	Client or Server		
Connection Information:	1		
Connection Type:	FTT-10 Free Topology Network Transceiver		
Baud Rates:	78125 bps (bits per second)		
Hardware Interface:	Built in LonWorks FTT-10 interface		
But Tarrick and the			
Data Types Supported	Description		
PG-102-105-AC Data Type	Description		
Integers (Long, Short, signed,	SNTVs and UNTVs can be presented, stored and moved into any data type		
unsigned) Float			
Byte Bit			
Bit			
Read Operations Supported			
PG-102-105-AC as a Client		PG-102-105-AC as a Server	
Polled Network Variables:		Polled Network Variables:	
-Send Network Variable Fetch		-Respond to Network Variable Fetch	
-Send Network Variable Poll		-Respond to Network Variable Poll	
Write (Control) Operations Supported			
PG-102-105-AC as a Client		PG-102-105-AC as a Server	
Network Variables Updates:		Network Variables Updates:	
-Send Network Variable Updates		-Accept Network Variable Updates	
Unsupported Functions and Data Types			
Function	Reason		
Programming messages	PG-102-105-AC is a data transfer device, and as such,		
	programming messages are not required		
Direct Memory Read/Writes	The driver uses the Echelon MIP which handles direct memory		
under user control	read and writes		
LonMark File Transfer Protocol The Driver does not support reading and writ Configuration Properties implemented as file			
		·	
		therefore does not support the LonMark File Transfer Protocol	
that is commonly used to access these remote files.		monly used to access these remote files.	