PG-133-101-AB Hochiki FireNet to Modbus TCP Protocol Converter

PG-133-101-AB 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-133-101-AB Gateway model supports Hochiki FireNet and Modbus TCP protocols. It is a Bi-directional Converter that can be configured as a Client on Hochiki FireNet side and a Server/Client on Modbus TCP protocol interface.

When configured as a Hochiki FireNet client, the PG-133-101-AB can read data from your Hochiki FireNet fire panel and publish it as Modbus TCP data. Also, it can write commands sent from the Modbus TCP side to the Hochiki FireNet fire panel.

When configured as a Modbus TCP client, the PG-133-101-AB can read data from your Modbus TCP devices and publish it as Hochiki FireNet type data. Also, it can write commands sent from the Hochiki FireNet side to the Modbus TCP devices.

The PG-133-101-AB can be configured to behave as a server on Modbus TCP interfaces. This mode is useful when data exchange is required between a Hochiki FireNet client (for eg. SCADA) and a Modbus TCP client (for eg. a Building Management System).

The PG-133-101-AB can be configured to behave as a client on both Hochiki FireNet and Modbus TCP interfaces.

PG-133-101-AB gateways have benefitted system integrators worldwide with its powerful line of gateways. Additionally, PG-133-101-AB 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-133-101-AB.

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

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

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Hochiki FireNet Protocol Driver Description

Connection Facts		
Mode	**Nodes**	**Comments**
Client	1	Only one Hochiki PC (J5) connection per port.
Server	0	This driver cannot be configured as a Server.
Formal Driver Type:	Serial	
	Client Only	
Connection Information		
Connection Type:	RS-232	
Baud Rates:	19200 (Vendor Limitation)	
Data Bits:	8 (Vendor Limitation)	
Stop Bits:	1 (Vendor Limitation)	
Parity:	None	
Multidrop Capability:	No	
Devices Tested		
Device	**Tested**	
Hochiki FireNet 4127	Factory	
Supported Data Types		
Data Type	**Description**	
Panel	To hold data for panel level events.	
SLC_Loop	To hold data for SLC loop and devices connected on loop.	
Nac_Board	To hold event data from NAC circuits.	
IO_Board	To hold event data from IO Boards.	
Others	To hold event data that does not belong to above categories.	
LED_Status	To hold panel's LED Statuses.	
Panel_Version	To hold panel's firmware's version.	
Supported Read Operations		
As a Client	**As a Server**	
Fire	Testing	
Emergency	Status	
Auxiliary	CEAction	
Pre Alarm		
Supervisory		
Fault (Trouble)		
Security		
Disable		
Unsupported Functions and Data Types		
Function	**Reason**	

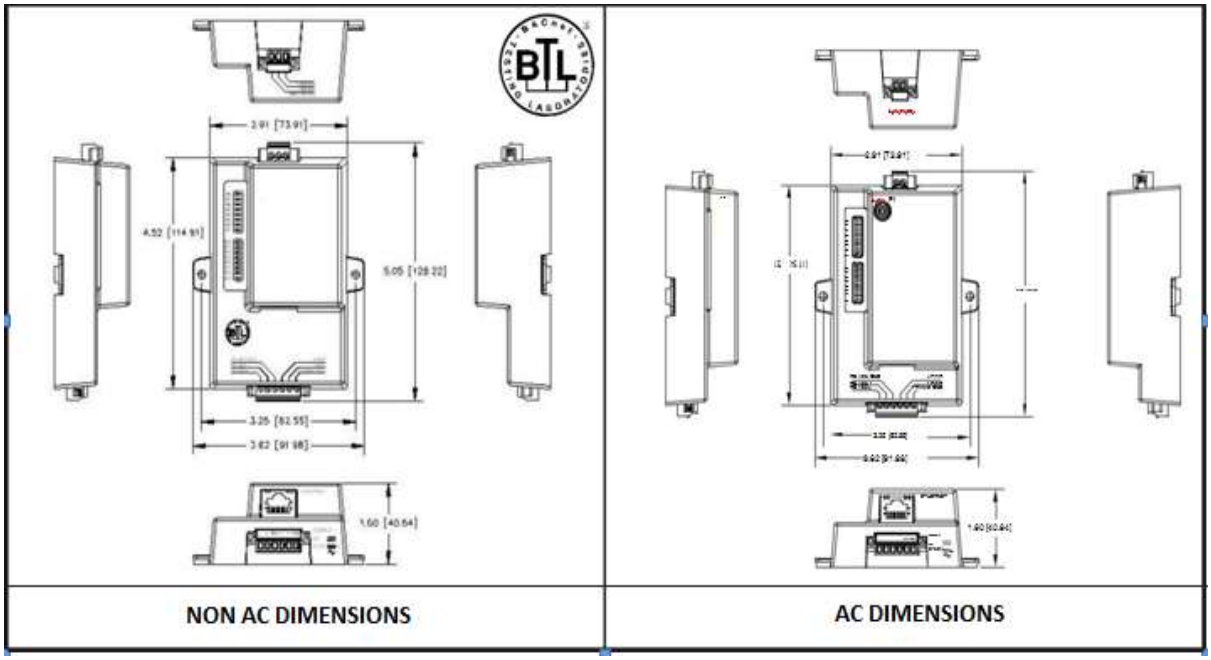
Programming messages and configuration messages	It is a data transfer device, and as such, programming messages are not required. Use vendor's config tools to configure and program the panel.

Modbus TCP Protocol Driver Description

PG-133-101-AB	Client	Nodes:1 Only 1 client node allowed on Multidrop systems
	Server	Nodes:255 Actual electrical loading may reduce number of usable Server nodes
Formal Driver Type	Ethernet Client or Server	
Connection Information	Connection Type:	Ethernet
	Ethernet Speed Supported:	10Base-T, 100Base-T[1]
Data Type Supported		
Command	**Description**	
01	Read Discrete Output Status (0xxxx)	
02	Read Discrete Input Status (1xxxx)	
03	Read Output Registers (4xxxx)	
04	Read Input Registers (3xxxx)	
05	Force Single Coil (0xxxx)	
06	Preset Single Register (4xxxx)	
15	Force Multiple Coils (0xxxx)	

16	Preset Multiple Registers (4xxxx)
EX	Exception Status
FF	FIFO
Data Type	**Comments**
ASCII	8-bit Character
Digital	Digital
Float	32-bit IEEE floating point
Long	Unsigned 32-bit integer
Signed	Signed 16-bit integer
Slong	Signed 32-bit integer
Unsigned	Unsinged 16-bit integer

Dimensions:



NON AC DIMENSIONS	AC DIMENSIONS