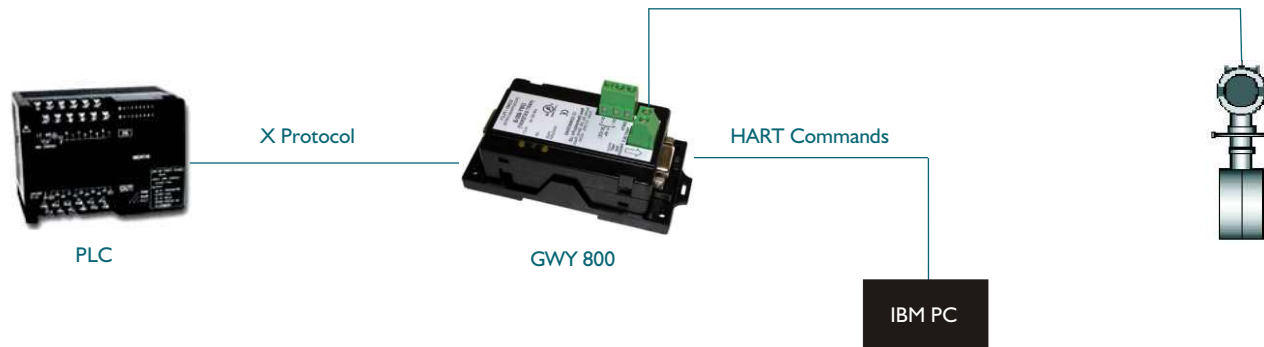


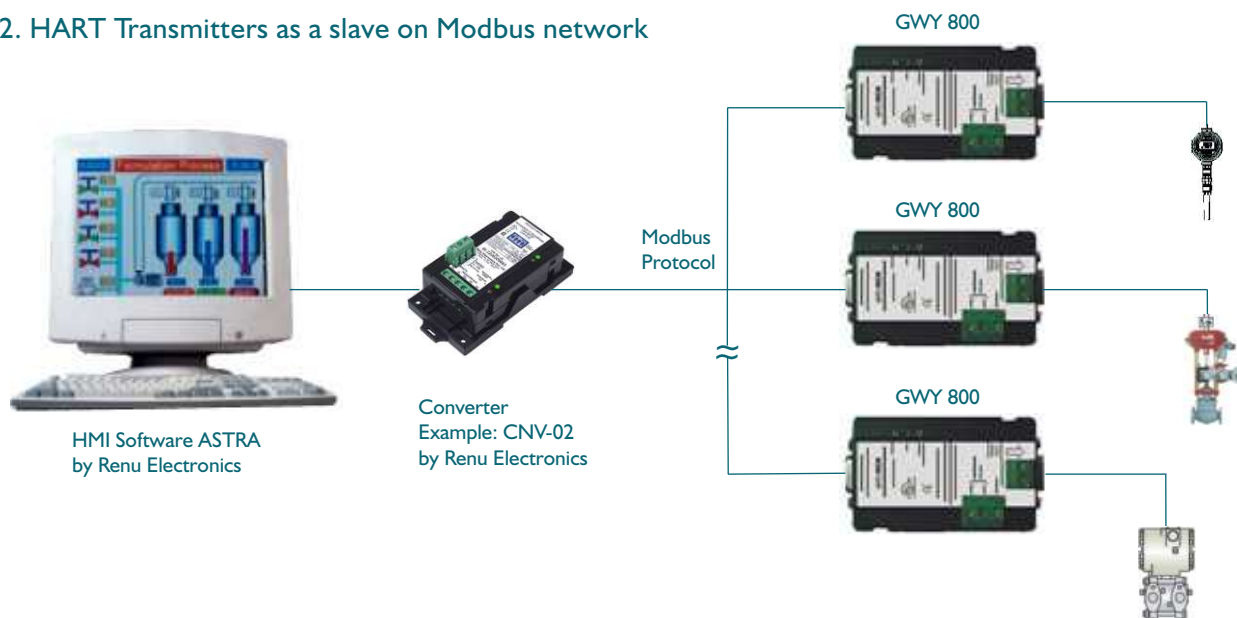
Possible Applications :

GWY-800 connects various HART field devices to other serial devices irrespective of their protocols. At the same time, the user can connect configuration software for HART devices.

1. PLC to HART Transmitter Communication



2. HART Transmitters as a slave on Modbus network



GWY-800 Operations :

Gateway 800 is a protocol converter as well as a HART modem. It converts the HART digital signal to a serial communication protocol (e.g. Modbus). This allows various HART field devices to interface directly with serial protocol (Modbus) based monitoring and control systems. Serial protocol can be master or slave configurable from the set up software. At the same time it allows to communicate the PC based configuration software with HART field devices. Gateway operates in point to point as well as in multi drop HART network mode.

All HART process information, including primary, second, third and fourth process variable data is converted to serial protocol (Modbus) and available to the host system. Using the Field Device Status Byte data that is available in HART's digital information, the gateway can transmit, via serial link, diagnostic data including smart device configuration changed; primary and non primary variables out of limits; primary variable analog output fixed; cold start; field device malfunction; and more HART status data available.

System requirements for Gateway Setup Software are:
Programming software is common for the entire Gateway family.

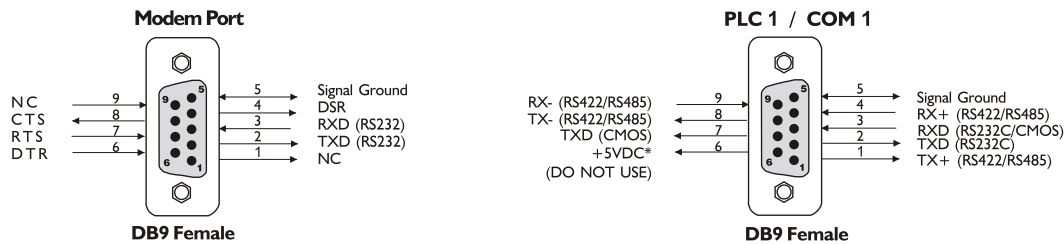
Windows Version	:	Microsoft Windows 9x/NT/2000/XP
Processor	:	PENTIUM or higher
Hard disk Space	:	5 MB or more
Mouse	:	Required
RAM	:	16 MB or more
Display resolution	:	800 X 600 (VGA) or better
Display colors	:	16 bit color

Other Accessories required for the GWY-800 configuration and to use in actual application:

1. Gateway Configuration / Connecting Cable.**
2. Gateway Setup Software .
3. Devices with communication cables.

Communication Ports :

The GWY-800 has two communication ports, PLC1 / COM1 and MODEM. PLC1 / COM1 is compatible to RS232 / RS422 / RS485 and CMOS signal levels. MODEM port has RS232 signals. The Pin-outs of these ports are as shown below:



*Do not use pin no. 6 of PLC1 / COM1.

**Refer our website (www.renuelectronics.com) for your specific Cable requirements

Protocols supported for :

The GWY-800 supports HART protocol on HART Port.

It support following devices on COM1 Port:

- Modbus RTU (Master)
- Modbus RTU (Slave)
- Toshiba T1, T2, T3 (Link Port)
- Toshiba ASD
- AB DF1 Full Duplex (Micrologix /SLC5/0x / PLC5/30)
- Omron Host Link
- IDEC Micro / C, IDEC MicroSmart, IDEC Open Net
- Yaskawa Drives
- Telemecanique 17, 47 & 67 Series
- Xtra Drive PLCs on COM1 side.
- GE Fanuc Series 90-30, VersaMax
- Siemens-S7-200 PPI

It can also support following Devices on request:

- ABB
- AB DH485 (SLC5 / 0x series)
- Aromat FP0 / FP1 / FP2 / FP Sigma and FPM
- Baldor Drives
- Calisto (Morgan Schaffer)
- Cegelec Alspa series
- Crouzet
- Delta DVP Series
- Discovery Panel
- Entertron
- Honeywell
- Idec Micro 1 / FA2Jr PLCs
- J-BUS
- K1339_Slave
- Keyence KV
- Koyo
- LG MasterK 80S-300S
- Messung XMP-8 / NEXGEN 4000 / NEXGEN 5000
- METTLER TOLEDO Weighing Scales
- Mitsubishi FX
- Moisture Analyzer (Alpha Moisture Systems)
- RHEONIC Mass Flowmeter
- SARTORIOUS Weighing Scales
- Taian TP02 Series
- Toshiba T series (Programming Port)
- Twido
- USS Protocol

New PLC drivers are constantly added. Please contact factory for more information. We welcome an opportunity to develop new, custom drivers and customization of Gateway products.

Specifications :

Power	:	+24V DC \pm 10%, 100mA max
LED's	:	3 LED's for status indication
Communication Ports	:	3 Communication ports with
PLC1	:	RS232 / RS422 / RS485 / CMOS
PLC2	:	HART Port
Pass Through Port	:	RS232
		(Isolation between communication ports and Power supply, through DC-DC coupler is 1 KV)
PLC1	:	Connects to PC for setup download or connects to PLC1 at runtime.
PLC2 (HART Port)	:	Connects to HART devices . (Isolation between HART devices and communication port ,through transformer is 1.5KV)
Pass Through Port	:	Connects to Field Care, Pact ware S/W
Temperature	:	Operating : 0° to +60° C Storage : -20° to +80° C
Humidity	:	10% to 90% (Non condensing)
Mounting	:	DIN rail or back panel mounting
Dimensions (DIN rail)	:	105mm(L) X 40mm(D) X 51mm(W)
Weight	:	125 gm approx.
Certifications	:	CE and UL
Immunity to ESD	:	Level 3 as per IEC1000-4-2
Immunity to Transients	:	Level 3 as per IEC1000-4-4
Immunity to Radiated RF	:	Level 3 as per IEC1000-4-3
Immunity to Conducted RF	:	Level 3 as per IEC1000-4-6
Emissions	:	EN55011 CISPR A

Models :

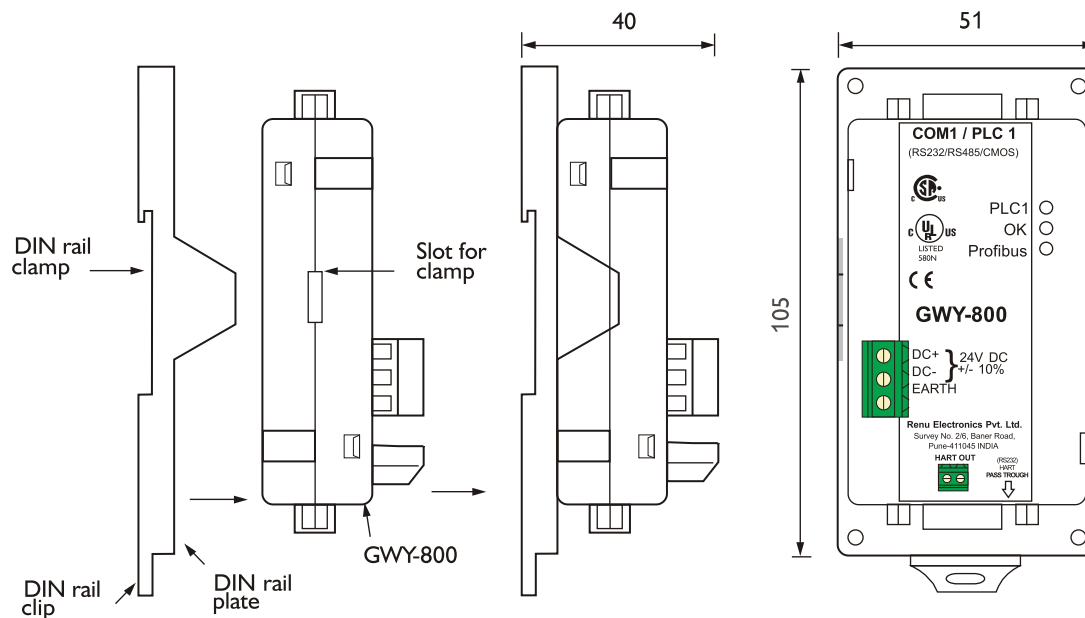
Series/Model	Technology	Protocol
GWY-00 *	Serial	Various
GWY-100 *	LonWorks	LonTalk
GWY-300 *	CANBUS	CAN (J1939/CANopen)
GWY-500 *	Profibus	Profibus-DP
GWY-600 #	Ethernet	Various
GWY-610 *	Ethernet	Various
GWY-620 #	Ethernet	Various
GWY-700 #	RFID	RFID
GWY-800 *	HART	HART

* Released

Contact factory

Dimensions :

GWY-800 units are shipped with a separate DIN rail plate which can be attached to the unit, if desired. User can use the unit with or without the DIN rail plate. Following sketch shows dimensional details of GWY-800 with the DIN rail plate.



All dimensions are in mm.



Renu Electronics Pvt. Ltd.

Survey No. 2/6, Baner Road, Pune - 411045, India.

Tel: +91 20 2729 2840, Fax: +91 20 2729 2839

Email: info@renuelectronics.com

Website: www.renuelectronics.com

