



User Manual

GATEWAY

AG-01

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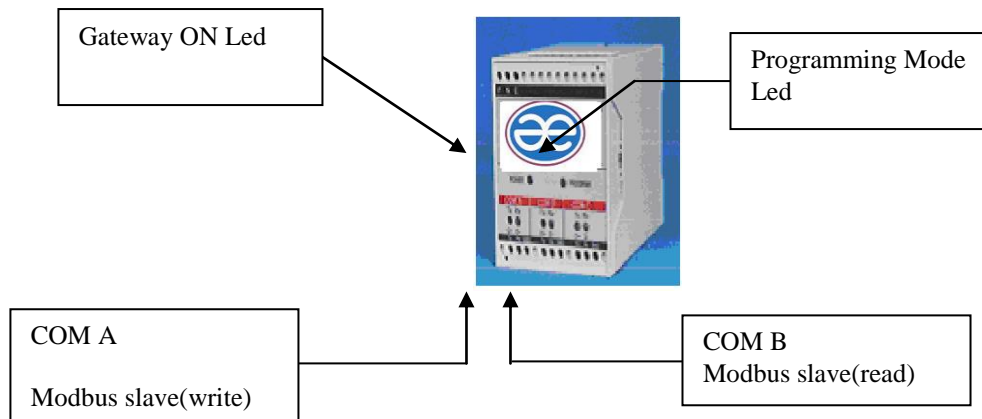
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Introduction

Gateway:

A Gateway is a media using which a remote instrument can be communicated irrespective of the communication standard of the remote instrument. A Gateway has intelligence in it to convert the proprietary data to standard protocol format. The gateway can be used for data acquisition and control from remote location. . This can be used as slave to slave modbus communication also.

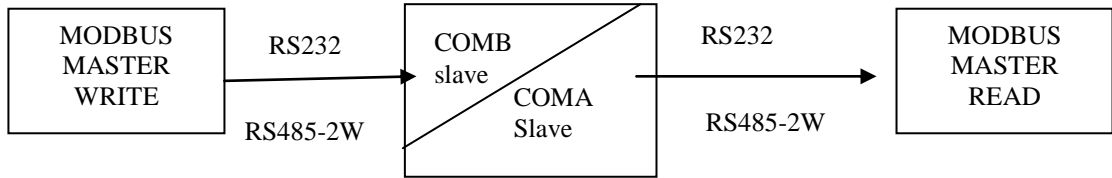
APCON-05: (FRONT VIEW)



AG-01 Gateway is used to convert the modbus slave protocol to the standard Modbus slave Protocol. AG-01 has two ports COMA and COMB. It has the facility of in circuit programming through COMB.
(Fine details of in circuit programming on Page 3)

Block Diagram

Scheme:



Cable Details:

Gateway	modbus master
COMA	9 pin F

TX	_____	3
RX	_____	2
GND	_____	5

Gateway	modbus master	
COMB	READER	
D+	_____	D+
D-	_____	D-

Technical Specifications: -

Electrical Specifications

Power Supply	110 to 250 VAC / 50 HZ
Wattage	1.5 Watt

Communication Specifications

Indications	LED Indications TX, RX for COMA, COMB Power ON; and Program mode.
Serial Parameters	Baud Rate: 19200, Parity - none, No. Of bits: 8, Stop Bit: 1
Isolated Communication Port Details:	COMA: RS232 / RS485 2 wire Fixed COMB: RS232 / RS485 2 wire Fixed

Mechanical Specifications

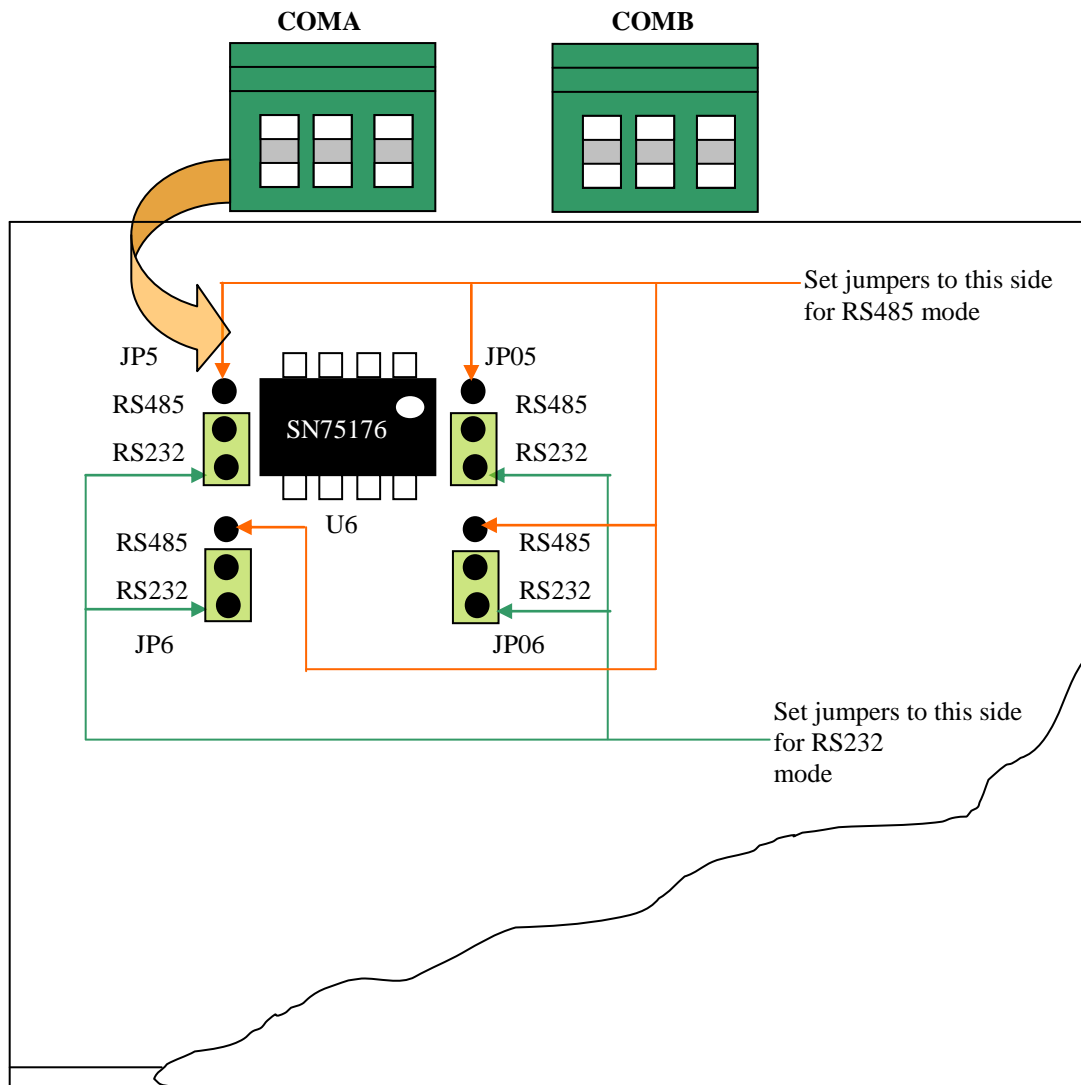
Enclosure	110 X 75 X 70 mm
Mounting	Din Rail
Weight	250 gm Approx.

Environmental Specifications

Temperature	5 to 50°C
Humidity	0 to 95% RH, non-condensing.

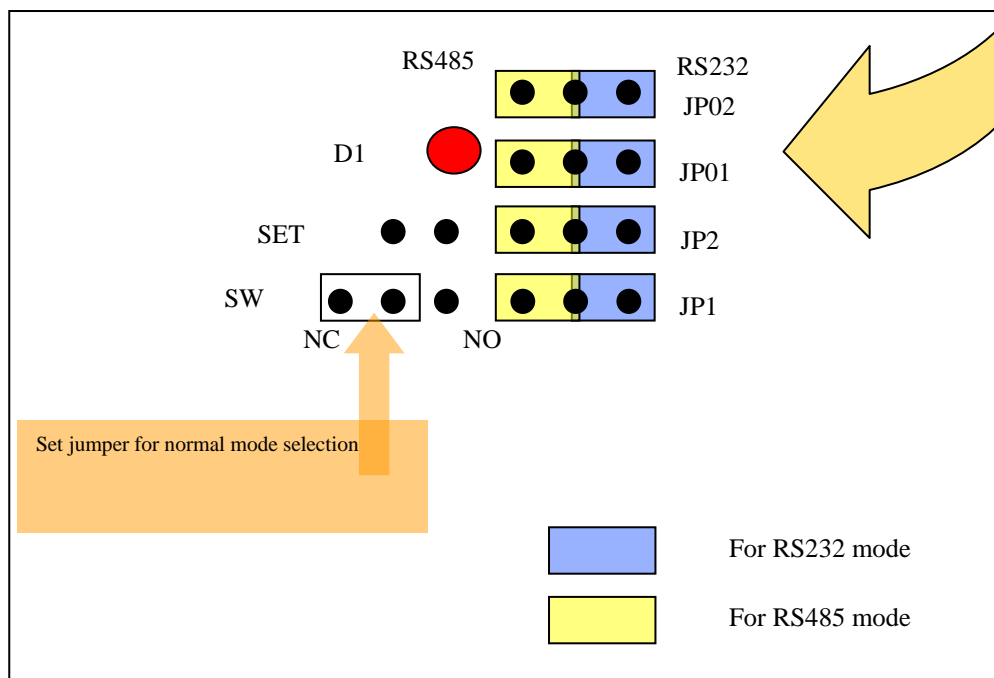
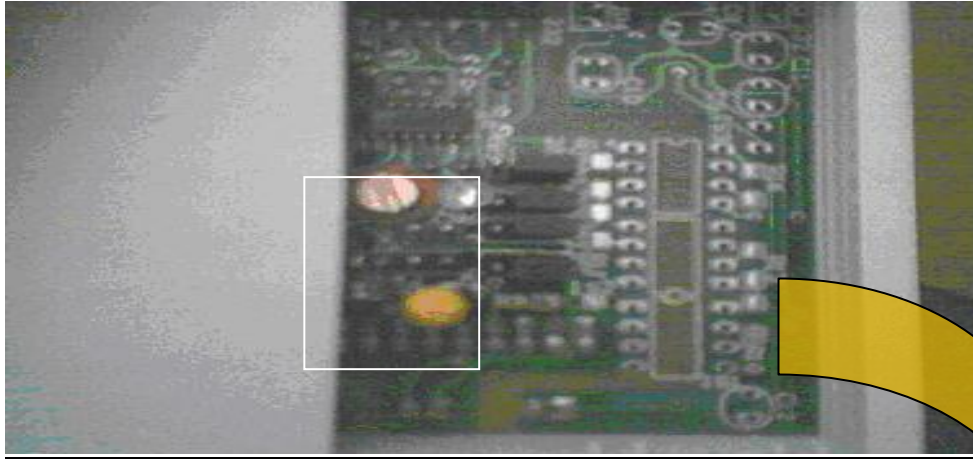
Note - memory registers of interchange max.-20 nos.

Jumper Settings for COMA Port for RS232/RS485:



Jumper Settings for COMB Port for RS232 / RS485 :

To Make settings for COMB Port, Open the Flap on Gateway



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