



OVERVIEW

SIG provides reliable and highly scalable solution for MODBUS communication. SIG is a versatile device which read the MODBUS memory map of any RS-485 MODBUS protocol device.

SIG mainly consist of microcontroller based control circuit. SIG supports generic MODBUS RTU/MODBUS TCP-IP or MODBUS over TCP-IP Protocols for data acquisition. Multiple slave devices can be configured to SIG.

FEATURES

- 70 - Nodes Compatible
- Two settable Alarm set-points for each channel (High/Low)
- Communication Failure detection
- 4 - DPDT Relays for control action
- Inbuilt Buzzer for Audio Alarm Indication with snooze
- Bi-colour L.E.D. indications for Alarms & Device status
- Ethernet/RS-485 Output Port (for SCADA/PLC/PC)
- 128 x 64 Graphical L.C.D. Display
- Pendrive Interface for online / offline data logging.

TECHNICAL SPECIFICATION

DEVICE CONFIGURATION

Nodes	: 70 - Nodes
Configuration	: AEPL-IIoT PC Software
Operating Mode	: Programming and Applications
Security	: Password protected configuration

DISPLAY & LED INDICATORS

Display	: 128 x 64 GLCD
Healthy	: Blue / Red
AL1/AL2	: Blue / Red
MODBUS Communication	: Blue / Red

SERIAL INTERFACE

Interface mode	: RS-485 MODBUS RTU
Supported Baud Rates	: 9600, 19200, 38400, 57600
Parity	: None, Odd, Even
Stop Bits	: 1, 2
Protocol Supported	: MODBUS RTU/MODBUS TCP-IP or MODBUS over TCP-IP
Connector	: 3 pin terminal block (RJ45 Optional)

ALERT & NOTIFICATION

Buzzer	: Beep Sound
Relay	: 4 DPDT Relays

DATA STORAGE

Data Format	: CSV
Off Line Log Records	: 32,000 - Records

ELECTRICAL SPECIFICATIONS

Operating Voltage	: 230VAC
Reverse Power Protection	: Available
Overload Protection	: Available
Power Input	: Terminal Block (for Inbuilt SMPS)

ENVIRONMENTAL SPECIFICATIONS

Temperature Range	: -10° C to 50° C
Relative Humidity	: 10% to 90% RH, Non- Condensing

HOUSING DETAILS

SIG- MS

Protection class	: IP-20
Cabinet Material	: Metal sheet grey colour
Cable Entry	: Single Compression cable gland - 3/4"(Metal)
Dimension	: 300mm (H) x 320mm (W) x 105mm(D) - with Cable Gland
Mounting	: Wall Mounting
Weight	: Approx 5.2 kg

Interfaces of Smart IoT Gateway

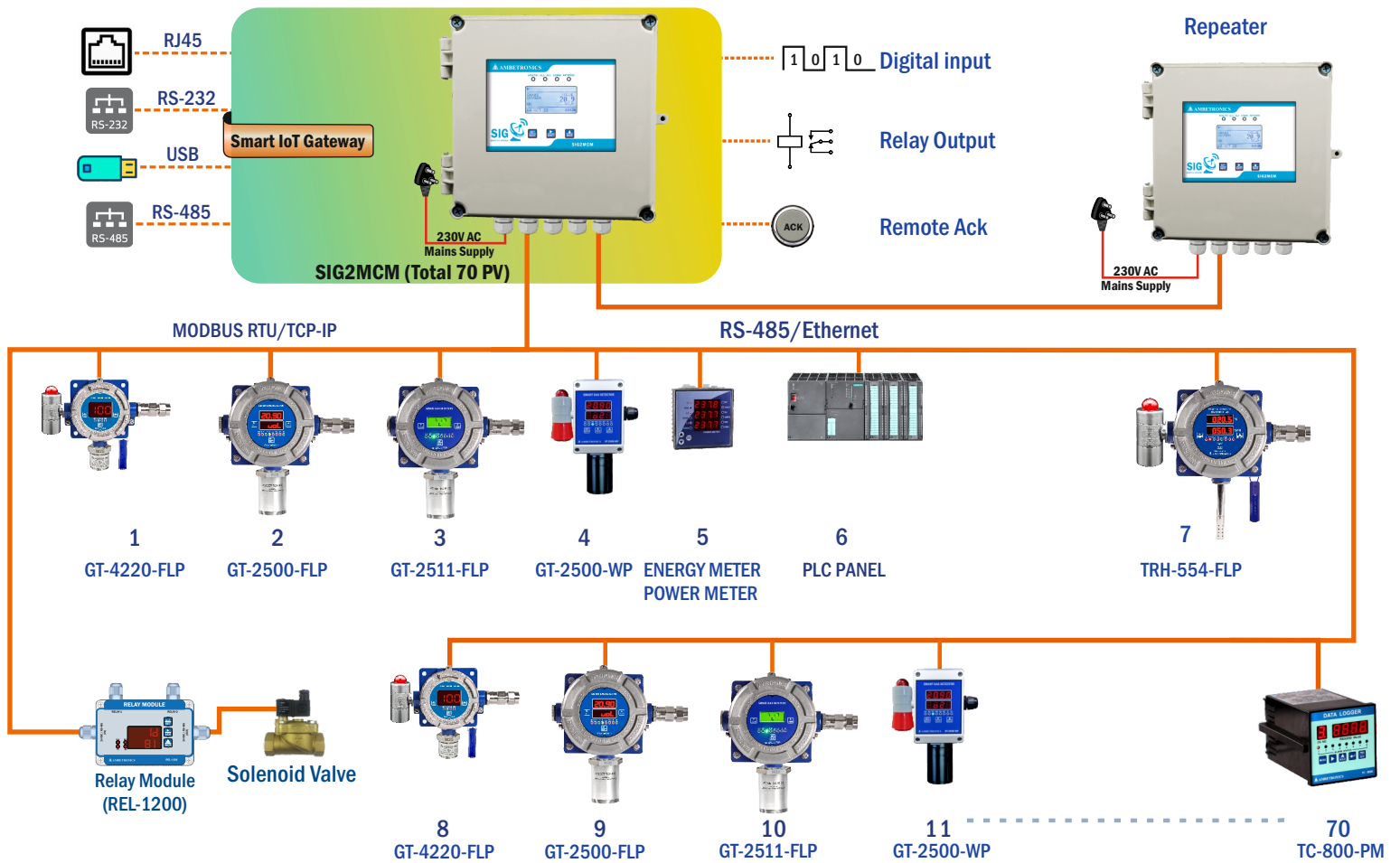
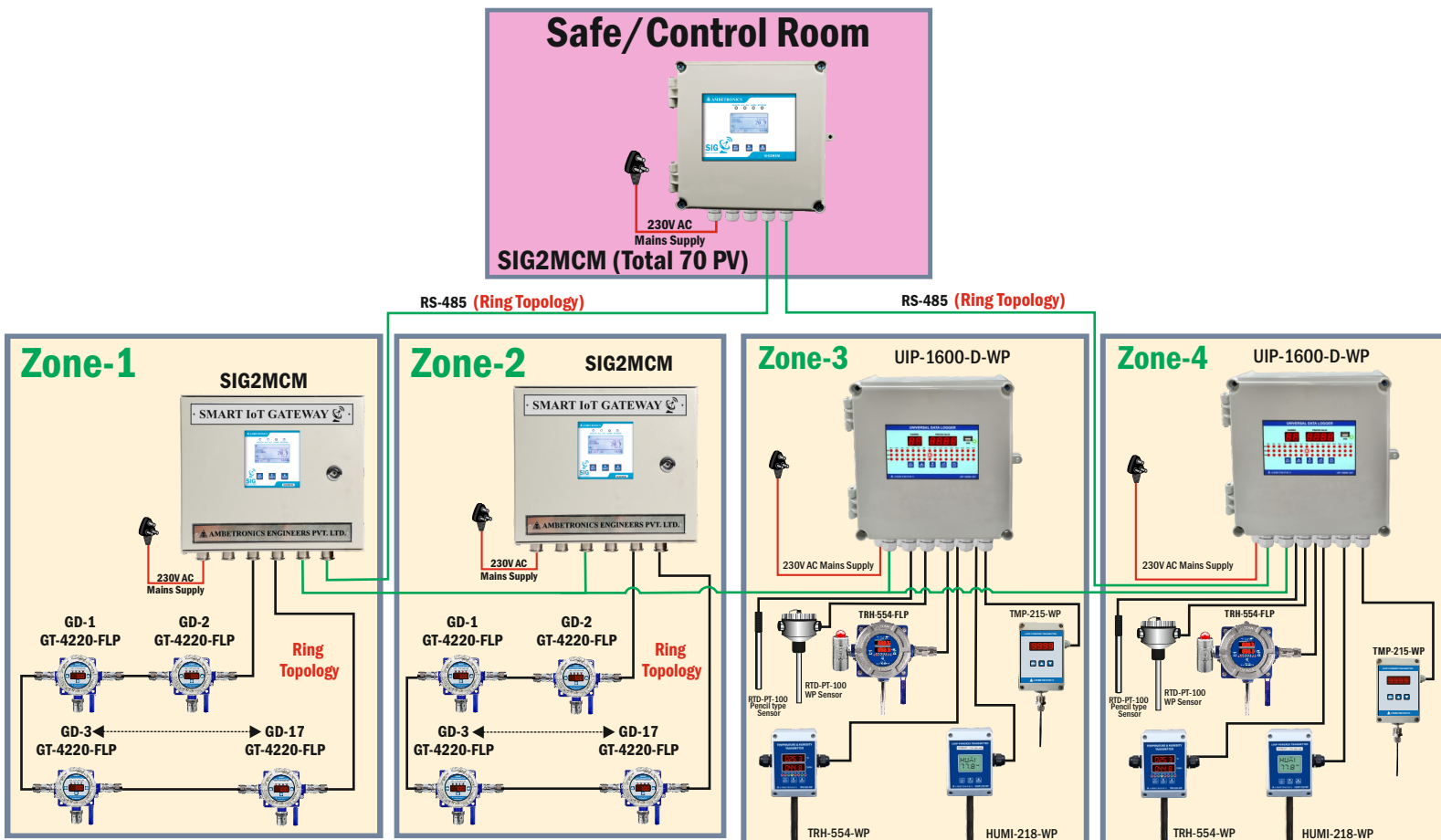


Illustration of Smart IoT Gateway



* Product images are only for representation, Actual image and size may differ

* Kindly ask for detail Catalogue and specification of each product

ONLINE LOG

REPORT ONLINE LOG	LOCATE	DATE	TIME	CHANO1	STATUS	CHANO2	STATUS	CHANO3	STATUS	CHANO4	STATUS	CHANO5	STATUS	CHANO6	STATUS	CHANO7	STATUS	CHANO8	STATUS	CHANO9	STATUS	CHANO10	STATUS	CHANO11	STATUS	CHANO12	STATUS		
5/20/2019	15:52	33.3	OK	52.4	OK	33.3	OK	52.4	OK	33.3	OK	52.4	OK	33.3	OK	52.4	OK	33.3	OK	52.4	OK	33.3	OK	52.4	OK	33.3	OK	52.4	OK

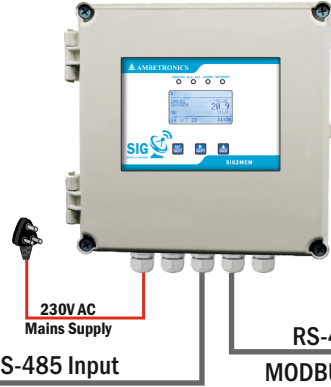
OFFLINE LOG

REPORT OFFLINE LOG	LOCATE	DATE	TIME	CHANO1	STATUS	CHANO2	STATUS	CHANO3	STATUS	CHANO4	STATUS	CHANO5	STATUS	CHANO6	STATUS	CHANO7	STATUS	CHANO8	STATUS	CHANO9	STATUS	CHANO10	STATUS	CHANO11	STATUS	CHANO12	STATUS	CHANO13	STATUS	CHANO14	STATUS	CHANO15	STATUS	CHANO16	STATUS	CHANO17	STATUS	CHANO18	STATUS	CHANO19	STATUS	CHANO20	STATUS	CHANO21	STATUS	CHANO22	STATUS										
24/04/2019	18:57	20.9	ERR	20.9	ERR	20.9	ERR	20.9	ERR	20.9	ERR	20.9	ERR	20.9	ERR	20.9	ERR	20.9	ERR	20.9	ERR	20.9	ERR	20.9	ERR	20.9	ERR	20.9	ERR	20.9	ERR	20.9	ERR	20.9	ERR	20.9	ERR	20.9	ERR	20.9	ERR	20.9	ERR	20.9	ERR	20.9	ERR	20.9	ERR	20.9	ERR	20.9	ERR	20.9	ERR	20.9	ERR

Configuration Software

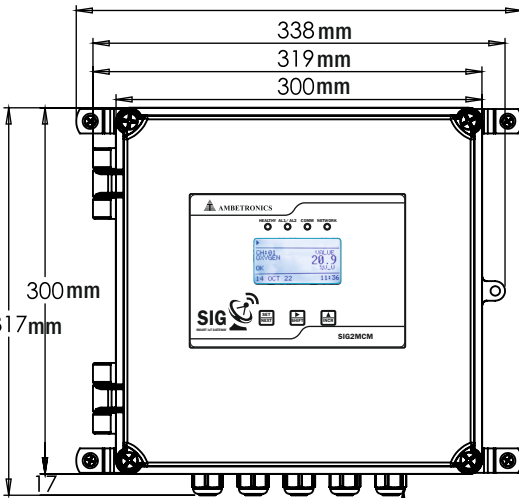


RS-485 to USB converter

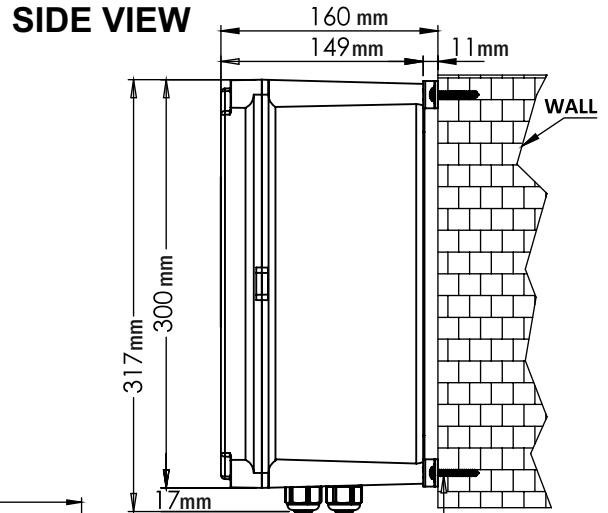


SMART LOG PRO SOFTWARE

MOUNTING DETAILS



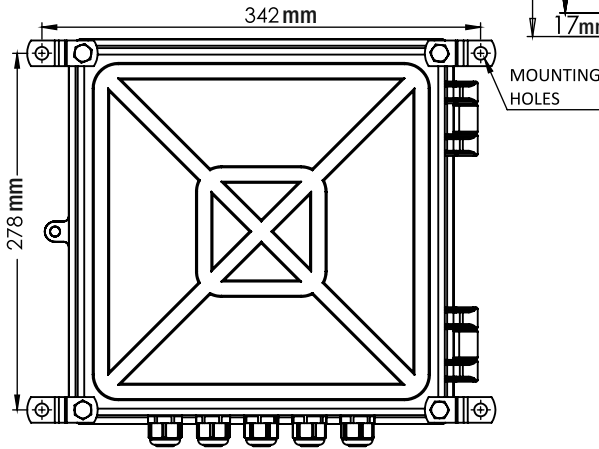
FRONT VIEW



SIDE VIEW



BACK VIEW



- 1) ID-6.5xOD-12.5x1mm THK. METAL WASHER - 4NOS.
- 2) Ø10 x 32 SELF THREAD SCREW-4NOS. (AS PER SAMPLE)

Manufactured by :



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Specifications subject to change without any prior notice