ELECTRONIC STATUS BOARD   ESB591

POLMON added one more innovative product "ELECTRONICS STATUS BOARD" to its product range to serve the Life science industries. As a part of CGMP & other regulatory norms, the equipment status should be displayed at the equipment. The equipment status Board has 7" TFT Graphical Colour LCD Display and Flexible in displaying the customised text like Date & Time, Batch No., Pressure, Temperature, Product/Stage & present status (Cleaning under progress/Cleaned/To be cleaned/Under maintenance/Change over under progress). The ESB591 will communicate with SCADA/PLC and suitable for use in Zone1, Zone2 Gas Gr.IIA & IIB Hazardous Area.
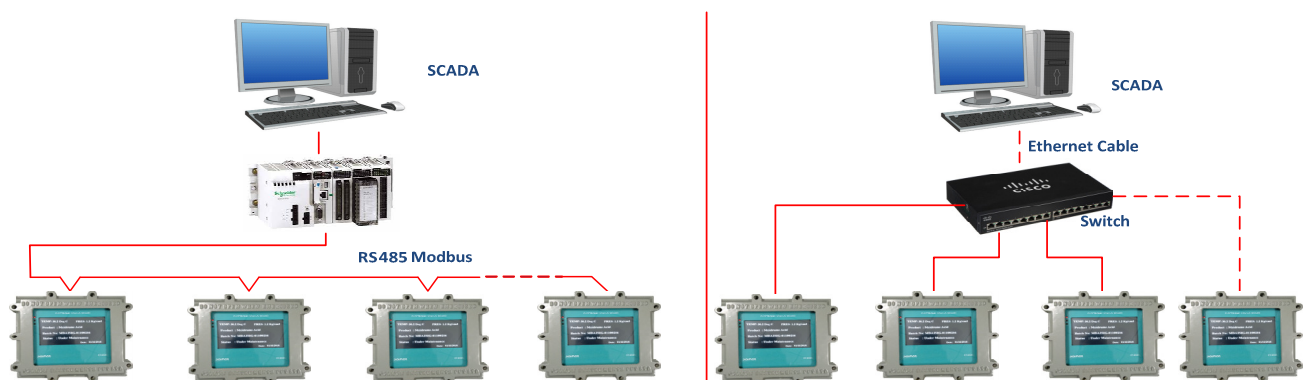
Features

- 7" Graphical Color LCD display
- RS 485 communication with MODBUS interface or Ethernet Modbus TCP/IP
- Suitable for Zone 1 and Zone 2 Hazardous areas
- Flame proof enclosure
- Supports all branded PLC's / SCADA

Applications

- Pharmaceutical (API)
- Life science
- Bio Technology

RS485 Network Architecture

Specifications

Technical

Model No	ESB591-F-1-1-1-X	ESB591-F-2-1-1-X
Screen size	7" TFT Colour LCD	
Resolution	800x480	
Backlight	LED	
Communication	RS485 MODBUS RTU	Ethernet Modbus TCP/IP
Backlight Life	50,000 Hours	
Hazardous area Certification	Ex-proof Zone1, Zone2 Gas Gr. IIA, IIB, Ex 'd'	

Power Supply

Power supply	DC 24V, 0.6A

Physical

Enclosure	Flame Proof For Zone1, Zone2 Gas Gr. IIA, IIB
Material	Aluminium Alloy
Installation	Wall Mounting
Weight	6.2kg
Dimensions (LxWxH)	270x270x120 mm

Environmental

Operating Temperature	10 – 50°C
Storage Temperature	10 – 60°C
Humidity	10-95%RH, Non-Condensing

Ordering Information for ESB591

S. No	Description	Model No
1.	ELECTRONICS STATUS BOARD	ESB591

Ordering Information for ESB591

ESB591	X	X	X	X	X
Model No.	Enclosure	I/P Type	Display Size	Power Supply	Future Use
ESB591	F- FLP	1- Modbus With PLC/SCADA	1- 7Inch	1-24 VDC	
		2- Ethernet Modbus TCP/IP			

Mechanical Drawing for ESB591

TOP VIEW

DO NOT OPEN WHEN ENERGIZED

ELECTRONIC STATUS BOARD

DISPLAY AREA

POLMON   ESB591
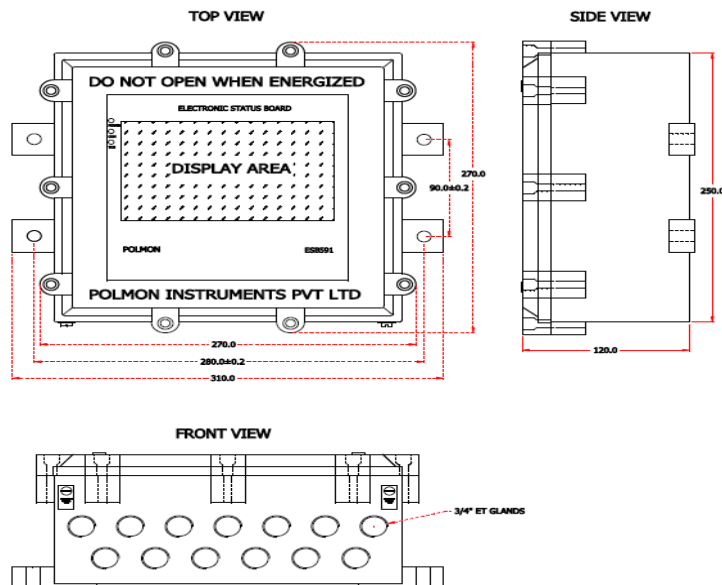
POLMON INSTRUMENTS PVT LTD

270.0
90.0±0.2
270.0
280.0±0.2
310.0

SIDE VIEW

250.0
120.0

FRONT VIEW

3/4" ET GLANDS

All specifications are subject to change without notice.
Doc. Ref. ESB591/131121/V1.1