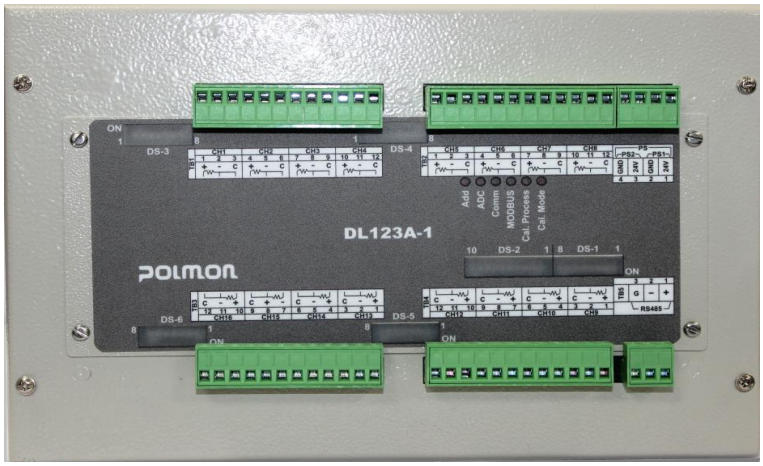
Analog Module

DL123A-1-X



DL123A-1-X is an advanced way of acquiring data from field, which supports max. of 16 channels of analog inputs such has RTD/current/voltage. A high-speed communication port is used to transfer digital data to Data Acquisition Unit (DL123M). All programmed data are stored in reliable Flash memory. Analog module in conjunction with Master module & PiSCADA, is capable of performing high-speed data acquisition.

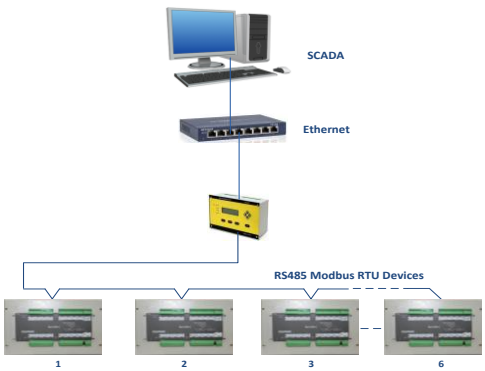
Features

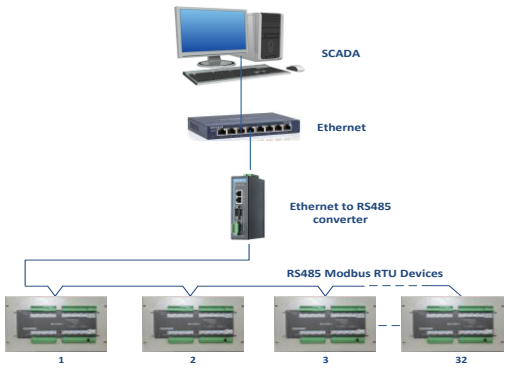
- 16 analog inputs which can accept RTD, mA or Voltages.Selection from DIP Switches
- Data acquisition is compatible with PLC , SCADA and PiSCADA
- Data transfer through Modbus/Proprietary Communication
- Diagnostic error codes and LEDs indications for all peripheral failures
- Addresses selection through Dip Switch (upto 7 devices)

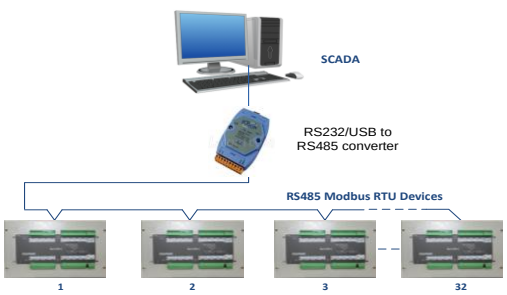
Applications

- Environmental Monitoring for Clean Rooms
- Freezer
- Pharmaceutical Industry
- Cold room
- Reactor parameter monitoring

Network Architecture







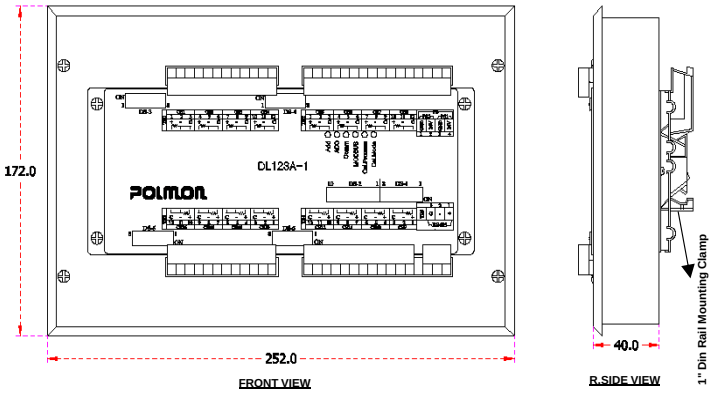
Specifications

Technical	
RTD (Pt-100 Three wire RTD)	
Measurement range	-200.0°C to +500.0°C
Excitation current	210µA
Resolution	0.1°C
Current (4-20mA)	
Measurement range	-XXX.X to XXX.X (selectable through Remote Programming)
Load Resistance	100Ω
Resolution	XXX.X,XX.XX,X.XXX,XXXX(selectable through Remote Programming)
Voltage	
Input	(0-10)VDC/ (0-1)VDC
Measurement range	-XXX.X to XXX.X units (selectable through Programming)
Resolution	XXX.X,XX.XX,X.XXX,XXXX(selectable through Remote Programming)
General	
ADC	24 bit resolution
Accuracy	±0.1% of FSR

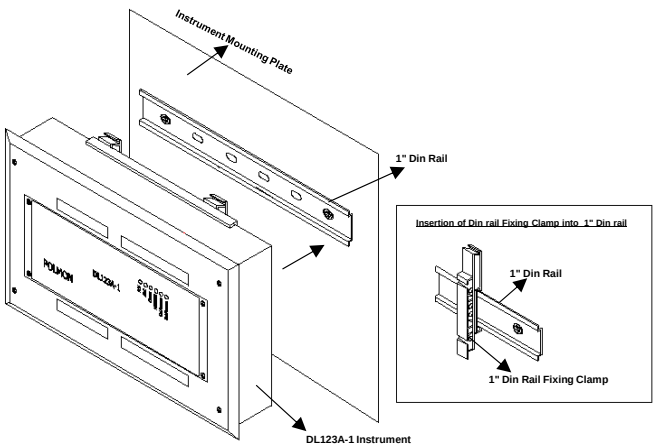
Units	Selectable through programming
No. of channels	16
Update Rate	60 ms(Min),180ms(Max) (Field configurable by DIP Switch)
Communication Protocol	RS485,MODBUS-RTU
Baud rate and No. of ports	9600, 1
Configuration Programming	Remotely from PC
Status LED's indication	6 (Address,ADC,Communication, Modbus/Prop.,Calibration Process,Calibration Mode)
Power Supply	
Input Voltage	24V,300mA
Environmental	
Operating Temperature	0-50°C
Humidity	10-95%RH, Non-Condensing
Physical	
Dimensions (in mm)	252x40x172
Weight	1Kg approx.
Enclosure material	MS
Mounting	1″ Din channel mounting

Ordering Information		
DL123A	X	X
Model No.	Communication type	Future Use
DL123A	1 – RS485 Modbus /Proprietary	X

Instrument Dimensional Drawing



Mounting Drawing



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All specifications are subject to change without notice.

Doc. Ref. DL123A-1-X/121121/V1.1