Wireless Data Acquisition Unit

DL123M-2-0-X



DL123M is designed to act as a wireless base station that collects data from up to 15 wireless Rh and Temperature transmitters. DL123M's Ethernet uplink allows data to be visualized in real time in a SCADA system. The data logger along with the SCADA system adheres to all the requirements of 21CFR Part 11. All the configurations required by the wireless transmitters can be programmed from the SCADA system.

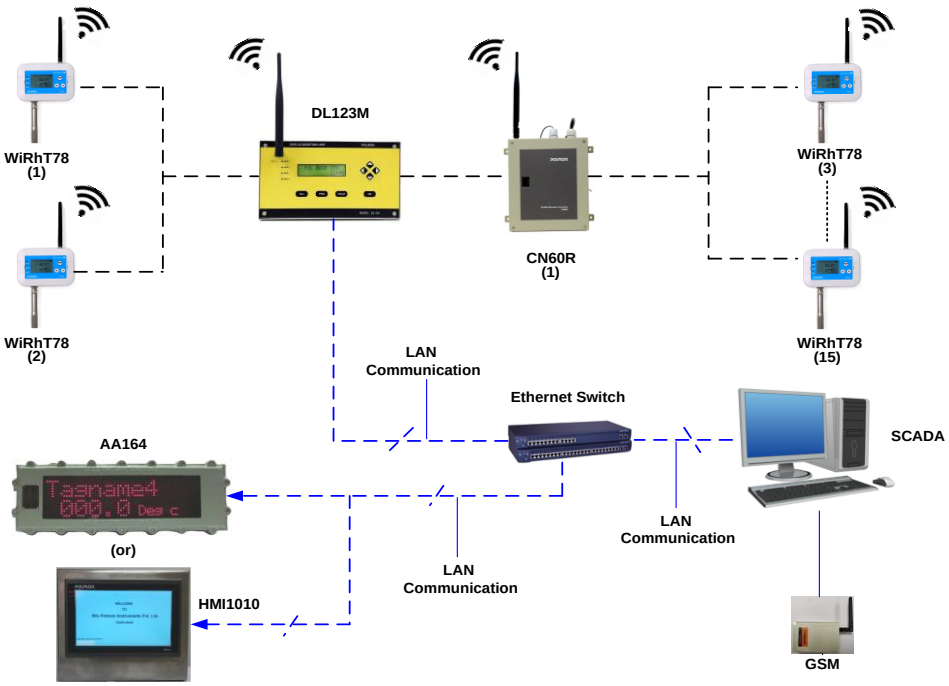
Features

- Flash Memory : 64 MB/ 24 days of storage
- 868 Mhz wireless communication
- Ethernet for SCADA communication
- Displays Process Values in Alphanumeric Backlit LCD display
- 2 alarms per channel
- Supports a maximum number of 15 wireless transmitters
- 1 Digital Output for Hooter & Acknowledgement
- Extensive diagnostics to help in trouble shooting
- Supports BACnet/DNP3 for communication with any SCADA

Advantages over traditional Wireless

- Wireless communication range > 1 km(LOS)
- Best in class wireless signal penetration
- Ideal for clean room and warehouse applications
- Store and forward feature enables gap free data logging in the event of SCADA failure
- Power on, power off, communication failure events are recorded

Network Architecture



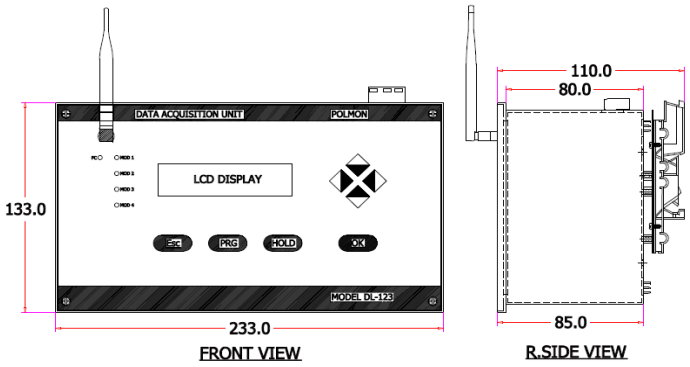
Specifications

Technical	
Data Logging	Data from Rh and Temperature transmitters
No. of devices	15 Transmitters
Clock	NTP synchronized time
Display	Backlit LCD display
Log rate	1min interval
Programming	a. From panel by user- friendly keys b. Remotely from PC by SCADA software
Memory Storage	24 Days*(Depends on configuration)
Communication	Ethernet for PC communication Wireless for Field device communication
Power Supply	24V, 1.1A
Application	Safe Area
Remote Access Parameters	PV's and alarms for Rh & Temperature deviation values

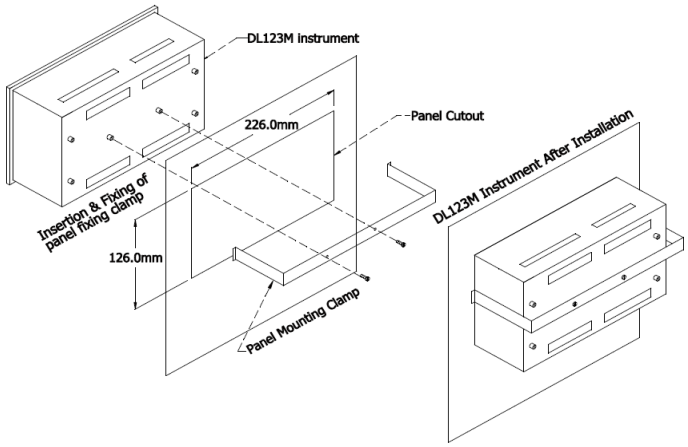
Wireless Communication	
Frequency	865MHz to 867MHz
Distance	1500 Meters Line of Sight
Antenna Type	Dipole
Antenna Fixing	Instrument Plug type SMA end
RF Power Output	+20dBm (100mWatt)
Environmental	
Operating Temperature	0-50°C
Humidity	10-95%RH, Non-Condensing
Physical	
Dimensions (in mm)	233x133x85
Weight	1.8 Kg approx.
Enclosure material	MS
Mounting	1″ Din channel mounting (or) Panel mounting (Cutout size:226X126mm)---Optional

Ordering Information			
DL123M	X	X	X
Model No.	Communication type	16 Channel Analog card	Future Use
DL123M	2 - Ethernet uplink, wireless downlink	0 - No	X

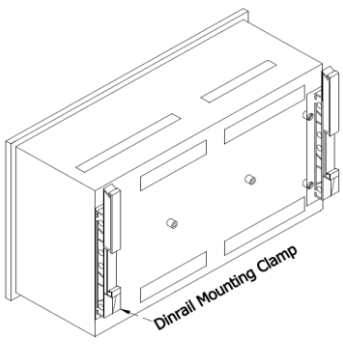
Instrument Dimensional Drawing



Panel Mounting Drawing



Dinrail Mounting Drawing



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All specifications are subject to change without notice.

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