

Wireless Temperature Transmitter

WITET92-NFLP



WITET92-FLP



The Wireless Temperature Transmitter is designed for EMS applications to meet the requirement of Measurement, Display & Data logging of Temperature with Wireless data transmission to SCADA System via Central Base station.

Features

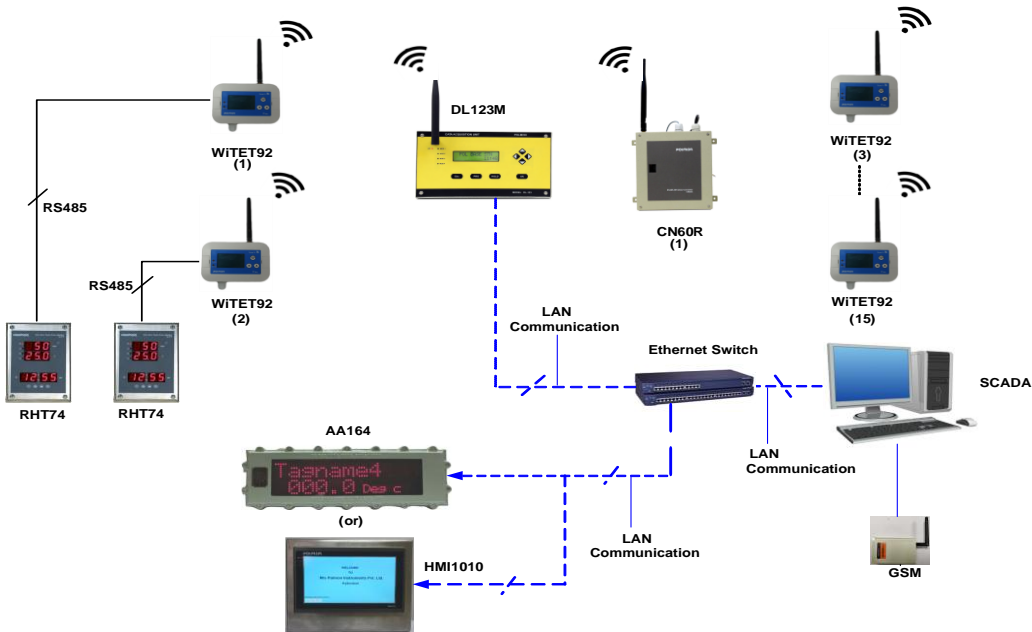
- Measurement & Data logging of Temperature
- Wireless interface for easy setup and data download
- Selectable data Recording Time Interval: 1 to 255 min
- Battery Life time-6 months @ 5min Tx Interval
- Remote configurable alarm and warning limits for temperature

- Battery status monitoring & communication remotely
- Power options: Replaceable batteries (AA)/ 24V AC/DC
- Data logging of 524280 records (364 days with 1min interval)
- Designed to mount on wall with Inbuilt or extension probe
- Sensors are Interchangeable

Applications

- Environmental Monitoring for Clean Rooms
- Warehouse Data logging
- Freezer
- Pharmaceutical Industry

Network Architecture



Specifications

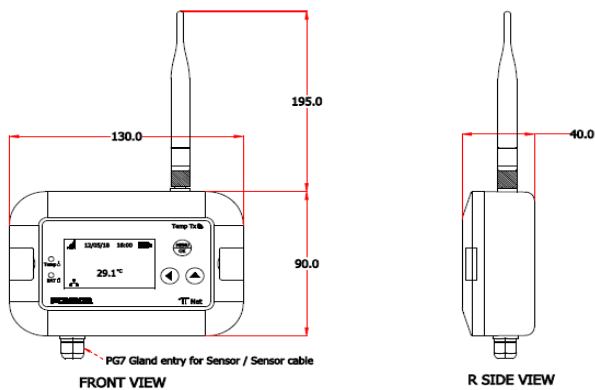
Technical		
	Battery Operated	Power Operated
Measurement range	-100 to 100°C	
Accuracy	Temp ±0.1% of FSR	
Resolution	Temp. : 0.1 °C	
Response time	Typically 10sec	
Clock	Network time Synchronization	
Remote Access Parameters	PV's, Battery Status, Signal Strength	
Data logging	524280 Records i.e 364 days with 1 min logging interval Interval Programmable 1 - 255min Ring Memory (Including Alarm Events)	
Power supply	4*1.5V,AA, Energizer L91	24V AC/DC/100mA
Battery life time	6 months @ 5min Tx interval	---
Display	Graphical LCD	
Keys	Tactile Keys for NFLP Magnetic Keys for FLP	
Indication Symbols	Battery Status	Power status
	RF, Signal strength, Network, Engineering units	
Local alarm LED Status	Low batt	---
	Temp deviations	
Communication for data transmitting	Wireless Communication	
Communication for Remote Display unit	---	RS485

Wireless Communication	
Frequency	865MHz to 867MHz
Distance	1500 Meters Line of Sight
Sensor Interface	
Sensor Type	RTD, 4Wire, Pt-100
Sensor Termination	Spring Loaded terminal
Cable Entry	PG7 Gland
Physical for NFLP	
Protection class	IP 65 for Instrument
Dimensions (W X D X H)	90 x 130 x 40 mm
Housing material	ABS Plastic
Mounting	Wall mounting
Weight	300grams(Approx)
Physical for FLP	
Protection class	Flame proof for Zone1, Zone2 Gas Gr.IIA, IIB
Dimensions (W X D X H)	213 x 148 x 55 mm
Housing material	Aluminum Alloy
Mounting	Modular wall Flush Mounting / On Wall mounting
Weight	2.5kg approx.
Environmental	
Operating temperature	10 - 50°C
Humidity	10 - 95% RH, Non-condensing
General	
Temp.Sensor (WITET92S)	Length : 150mm, Ø6 mm, Pt100 Class A 4 Wire RTD Sensor, Accuracy (±0.15 ±0.002xt) °C

Ordering Information for WITET92					
WITET92	X	X	X	X	X
Model No.	Sensor type	Display	Mounting Type	Power	Future Use
WITET92	1 - Pt100(4Wire RTD)	1 - Yes	1 - NFLP Wall Mounting	1 - Battery	X
			2 - FLP Wall Mounting	2 - 24V AC/DC	1 - Wireless + RS485 (Modbus mater)

Ordering Information for WITET92S					
WITET92S	X	X	X	X	X
Model No.	Sensor Length	Calibration range	Cable Length	Certificate	Future Use
WITET92S	1 - 150mm	1 - (10 to 40)°C	X - Transmitter mounted	1 - in house	X
		2 - (0 to 80)°C	1 - 10meter		
		3 - (-50 to 100)°C	2 - 20meter		
		4 - (-80 to 100)°C			

Mechanical Dimensional Drawing for NFLP



Mechanical Dimensional Drawing for FLP

