ADVANCED WIRELESS SOLUTIONS BY



IDEAL INDUSTRIES. INC.

1375 Park Avenue; Sycamore, IL 60178 • (800) 947-3630 • Fax: (800) 947-3616 • E-Mail: idealsensors@idealwirelesssensors.com

915 MHz Wireless Sensor System - 1201 Sensors

The 1201 Series IDEAL Wireless Sensors are battery-powered, multi-sensor devices for applications such as HVAC control, building automation, energy management, industrial monitoring and data centers. The 1201 Series measures and transmits temperature, humidity, dew point, light level, external temperature or contact closure measurements once per minute. It has a small form factor, is wall mountable, and has an operating life that exceeds 25 years with the pre-installed battery.

Data is transmitted to a G2 Series wireless gateway or repeaters, which extends operation to unlimited distance. The G2 Series gateway receives data from up to 100 sensor devices and interfaces to a wide range of standard BAS protocols including BACnet®, Modbus, LonWorks®, and Metasys® N2. SNMP and XML protocols are available for IT systems.









Temperature

Humidity/Dew Point

Light Level

Dry Contacts

Wireless Sensor

- Multiple sensor options
- 25+ year battery life
- · No calibration, stable long-life performance
- · Small form factor with internal antenna
- Maintenance-free: No battery replacement
- · Easy installation: No wiring or conduit
- · No interference with or from Wi-Fi
- · Off-site or on-site configuration
- · 3-Year Warranty



Gateway/Repeater

- · Supports up to 100 devices
- · Connects to virtually any BAS
- · Integrated antenna
- No interference with or from Wi-Fi
- 24VAC/DC power
- 3-Year Warranty



Specification	ns en la companya de			
	58-N-1201- X - Y X=Type,Y=Battery			
Part Numbers	Type T = Temperature TH = Temperature + Humidity TX = Temperature + 2 External Temp 10K ports L = Light Level C = Contact Closure / Digital Input (2 ports)			
Radio	902-928 MHz, internal antenna			
Regulatory Approvals				
Transmit Range	300 ft. indoors to G2 Gateway/Repeater in a typical commercial office building			
Accuracy	Temperature: ± 1°F (50-90°F) Humidity: ± 3% (10-90%RH) Dew Point: ± 4% (50-90°F, 10-90%RH) Light: ± 15% (0-1,000 lux) Thermistor ports: 10K Type 2, 10 bit resolution			
Power	(-N) 25+ year Li battery, non-replaceable (-R) 3xAAA, replaceable 15 year battery life with Energizer L92 (included)			
Enclosure	ABS, UL94-5VA rating, Bone color			
Configuration Port	Internal USB mini-B connector for connection to G2 Gateway/Repeater			
Mounting	Wall mount, vertical, indoor use only			
Dimensions	(-N) 4.2 x 2.1 x 1.1 inches (-R) 4.2 x 2.1 x 1.7 inches			
Operating Temp.				
Storage Temp.	-20 to 120°F			
Transmitted Data	Node ID, Sensor readings, and battery voltage once per minute (non-configurable)			
Weight	3.3 oz.			

Specifications			
Frequency	902-928MHz		
Approvals	FCC Part 15 and Industry Canada Contains FCC ID: OA3MRF89XAM9A Contains IC: 7693A-89XAM9A		
Antenna	Internal, 360° pattern		
Range	300 ft. indoor in typical commercial office building		
Power	24VAC/DC, removable terminal block		
Configuration Ports	USB Type B – PC Interface USB Type A – Sensor Interface		
Network Port	Ethernet, RS-485 or FTT-10		
Enclosure	ABS plastic, UL94-5VA rating, color – bone		
Mounting	Wall mount, vertical, indoors		
Dimensions	6.6" x 4.4" x 1.75"		
Environment	0 to 120°F, indoor use only		
Weight	8.5 oz.		

See reverse side for ordering information.

915 MHz Wireless Sensor System

Ordering Information

Wireless Sensor				
58-N-1201-T-N	Wireless temperature sensor, 25+ year battery			
58-N-1201-TH-N	Wireless temperature and humidity/dew point sensor, 25+ year battery			
58-N-1201-TX-N	Wireless temperature sensor, 25+ year battery – internal temperature, 2 external 10K RTD ports			
58-N-1201-C-N	Wireless dry contact closure (2 inputs), 25+ year battery			
58-N-1201-L-N	Wireless light level sensor, 25+ year battery			

^{*}Substitute suffix -N with -R for replaceable battery version (1201 Series only).

Part Number Protocol Interface 58-G2-BACNETIP BACnet®/IP Ethernet 58-G2-MODBUSTCP Modbus TCP Ethernet 58-G2-SNMP **SNMP** Ethernet 58-G2-XML XML Ethernet 58-G2-BACNTMSTP BACnet®/MSTP RS-485 58-G2-METASYSN2 Metasys® N2 RS-485 58-G2-MODBUSRTU Modbus RTU RS-485 58-G2-LON LonWorks® FTT-10 58-G2-SERIAL Serial Gateway/Repeater USB **Related Products** 58-PS-24V-T 24V Power Supply 58-N-1202-CO2-R Wireless CO₂ transmitter Wireless Differential Pressure transmitter 58-N-1202-DP1-R +/-2" w.c./+/- 500pa

BACnet® is a registered trademark of ASHRAE.

Metasys® is a registered trademark of Johnson Controls, Inc.

LonWorks® is a registered trademark of Echelon Corporation.

Sensor Data Reporting

	Sensor Type - 1201 Series									
Sensing Points		Temperature	Temperature, Humidity, Dew Point	Temperature Internal w/ Dual External	Contact Closure	Light				
	S 1	Temp F°	Temp F°	Temp F° Internal	X1 Current State 0=open, 1=closed	Ambient Light Level Lux				
	S2		Humidity % RH	Temp F° External 1 using 10K Type II Thermistor	Count of X1 state changes during last period					
	S 3		Dew Point F°	Temp F° External 2 using 10K Type II Thermistor	% of time X1 is closed during last period					
	S4									
	S 5				X2 Current State 0=open, 1=closed					
	S 6				Count of X2 current state changes during last period					
	S7				% of time X2 is closed during last period					
	S8									

Gateway/Repeater

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