

AC/DC Powered *Wireless System*

**ADALETWIRELESS**  
A SCOTT FETZER COMPANY

# Continuous Wireless Process Monitoring

APPROVED FOR  
CLASS I, DIVISION 1  
OR INDUSTRIAL USE.



NEMA 4X  
AC/DC Powered  
Wireless System



Class I, Div 1  
AC/DC Powered  
Wireless System



## A Complete System... A Complete Solution.

Take advantage of the power of wireless data transmission - even in Class I, Division 1 areas! We combined our industry leading enclosures with the most advanced wireless technology available. For applications that require continuous data monitoring and transmission, rely on ADALET Wireless for a complete solution that is easy to integrate and easy on your budget.

**CALL 216-267-6864 or visit [ADALETWIRELESS.com](http://ADALETWIRELESS.com) today.**



**Wireless Systems Also Available  
in Fiberglass and Stainless Steel Enclosures.**

**ADALETWIRELESS**  
A SCOTT FETZER COMPANY

## Features

- Models available for Class I, Division 1 or industrial locations
- Save Time and Money- take more frequent measurements in less time – all from a safe, central location.
- Sense where problems are just beginning-before they become time consuming and expensive process shutdowns.
- No set up, special software or programming required! Settings can be factory programmed to fit your specific application.
- Using spread spectrum, frequency-hopping technology utilizing a license-free 902-928MHz ISM band, for an interference-free and highly accurate link
- User or factory programmable data transmit interval from 1 to 60 seconds
- Accurate measurements up to 3000 feet with no line-of-sight
- Two 3/4" npt hubs for connection to temperature or pressure sensors
- Analog 4-20 mA, Thermocouple, RTD, and pressure transducer inputs available, consult factory
- Glass dome for maximum RF signal transmission & visual inspection of status LED's
- Ruggedized, corrosion resistant cast aluminum alloy housing with color coded powder coating

## Technical Specifications

	Transmitter - AWT	Receiver - AWR
<b>Frequency</b>	902 - 928MHz	902 - 928MHz
<b>Accuracy</b>	N/A	.2% of full scale (Input sensor not incl.)
<b>Transmit Power</b>	1 Watt	N/A
<b>Power Source</b>	AC model: 85 to 265 VAC DC model: 12 to 32 VDC	12 to 32 VDC
<b>Power Consumption</b>	Transmit Mode: 4W @ 1W transmit power 1.65W @ 100mW transmit power	1.12W
<b>Inputs/Outputs</b>	<b>Inputs:</b> Analog 4-20 mA <b>Thermocouple:</b> Type J, K, T, E, N <b>RTD:</b> 100Ω - 2,3, or 4 wire <b>Pressure:</b> 0-15,000 PSI max. Range specified by customer One discreet opto-isolated input	<b>Outputs:</b> RS 232 Analog 4-20 mA or 0-5V One discreet opto-isolated output Relays: Form C Open input circuit User specified
<b>Dimensions</b>	13.5"H x 4"W dia.	1-3/4"H x 3"W x 4-1/4"D
<b>Weight</b>	8.6 lbs.	.6 lbs.
<b>Operating Temp.</b>	AC model: -25°C to +70°C DC model: -40°C to +85°C	AC model: -25°C to +70°C DC model: -40°C to +85°C

Specifications are subject to change without notice. The information shown is compiled from data which we believe is reliable and is given in good faith. The user assumes all risks and liability in connection with the application and use of our products.

## Applications

- Tank Level
- Petrochemical
- PLC/RTU extensions
- Pump Control
- Waste / Wastewater
- Oil & Gas
- Mills / quarries / factories
- Sensor monitoring
- Irrigation Systems

## Areas of Use

### XDANT-Explosionproof Version

- Division 1 Classified Areas—U.S., Canada
- Class I, Division 1, Groups B, C, D
- Class II, Groups E, F, G
- Class III

### N4DANT-NEMA 4X Version

Industrial and general purpose areas

## Applicable Design Standards

### XDANT-Explosionproof Version

UL Standard 1203  
CSA Standard C22.2 No. 30  
NEMA 4X, 7BCD, 9EFG  
Canada: CSA-E79-0 & CSA-E79-1  
U.S.: ANSI/UL60079-0, ANSI/UL60079-1



### N4DANT-NEMA 4X Version

UL Standard 50  
CSA Standard C22.2 No. 94  
NEMA 4X



**CALL 216-267-6864 or visit  
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Battery Powered *Wireless System*

**ADALETWIRELESS**

A SCOTT FETZER COMPANY

# No Wires. Period.



Approved for  
Class I, Division 1  
or Industrial Use.

AW1-B  
Battery Powered  
Wireless System

## A COMPLETE SYSTEM!

## Battery Powered - Going Where Cable & Conduit Can't!

The battery powered system from ADALET Wireless can be installed virtually anywhere allowing you to implement wireless sensor and process control monitoring solutions never before thought possible. Approved for installation in Class I, Division 1 areas, this complete system allows for monitoring in locations where running conduit or cable is impossible due to cost, location or safety considerations. Take accurate and more frequent measurements, even in the most hazardous environments, from a safe, central location.

**CALL 216-267-9000 or visit [ADALET.com](http://ADALET.com) today.**

*Wireless Systems Also Available in Rugged  
NEMA 4X, Fiberglass and Stainless Steel Enclosures.*

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## Remote Communications

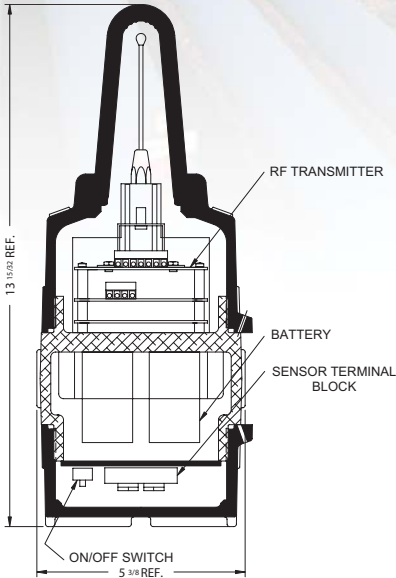
*Petrochemical  
Chemical Plants  
Pump Stations  
Waste / Wastewater*

*Oil & Gas  
Manufacturing  
Tank Level  
Factories*

**INDUSTRY APPLICATIONS**



**CONTROL ROOM**



## Features

- Approved for use in Class I, Division 1 or industrial locations
- Battery operated - No hard wiring required
- Thermocouple, RTD, and pressure transducer inputs available, consult factory
- Accurate measurements up to 3000 feet with no line-of-sight
- No software to buy, no set up or programming required
- Factory programmable data transmit interval and transmit power
- Utilizes Spread Spectrum, frequency-hopping technology and a license-free 902-928MHz ISM band for accurate and interference-free data transmission
- Ruggedized, corrosion resistant cast aluminum alloy housing
- Two 3/4" npt hubs for connection to temperature or pressure sensors
- Glass dome for maximum RF signal transmission

## Technical Specifications

	Transmitter - AWT	Receiver - AWR
<b>Frequency</b>	902 - 928MHz	902 - 928MHz
<b>Accuracy</b>	N/A	.2% of full scale (Input sensor not incl.)
<b>Transmit Power</b>	1mW to 1W - factory adjustable	N/A
<b>Power Source</b>	One self contained lithium battery	12 to 32 VDC supplied separately
<b>Power Consumption</b>	Sleep Mode: <50uW Transmit Mode - typical: 4W @ 1W transmit power 1.65W @ 100mW transmit power	1.12W Battery Life: Up to 5 years
<b>Inputs/Outputs</b>	<b>Inputs:</b> Thermocouple: Type J, K, T, E, N RTD: 100Ω - 2,3, or 4 wire Pressure: 0-15,000 PSI max. Range specified by customer One discreet opto-isolated input	<b>Outputs:</b> RS 232 Analog 4-20 mA or 0-5V One discreet opto-isolated output Relays: Form C Low battery alarm, Open input circuit User specified

## General Specifications

**Enclosure- XDANT**

**Dimensions:**

Transmitter - 13.5"H x 4"W dia.

Receiver - 1-3/4"H x 3"W x 4-1/4"D

**Weight:**

Transmitter - 8.6 lbs.

Receiver - .6 lbs.

**Operating Temperature Range:**

-40°C to +85°C

## Approvals/Standards

UL / cUL Class I, Division 1, Groups B,C,D  
NEMA 4X, 7, 9; IEC 60529: IP66  
UL standard 1203  
CSA standard C22.2 No.30  
FCC ID# OUR-9XTEND  
IC# 4214A-9XTEND (Canada)



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