

ADALETWIRELESS
A SCOTT FETZER COMPANY

Explosionproof Antenna

Maximize Line-of-Sight

System includes:

- Class I, Div 1 Antenna
- DIN Rail Mountable Receiver/Transmitter
- Enclosure



Class I, Div 1 Approved!

Extend the possibilities of your wireless applications with this groundbreaking system from ADALET Wireless utilizing the CTB-Series of UL Listed, Class I, Division 1 antennas. As an extension of the ADALET Wireless system, the antenna can be mounted atop a tower or in a Class I, Division 1 area. This flexibility provides increased line-of-sight and allows for the system's radio components to remain in an accessible, safe area.

Radio components can be mounted on standard DIN Rail in any of ADALET's Rugged NEMA 4X, Fiberglass or Stainless Steel enclosures.

Antenna sold only as part of an ADALET Wireless system.



RF Receiver
AW2 Wireless System

**CALL 216-267-6864 or visit
ADALETWIRELESS.com today.**

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Features

- 900Mhz ISM band
- Internal Sealing fitting (no external sealing fitting required)
- TNC connector for connecting to Adalet Wireless radio
- Mounting: 3/4" NPT explosionproof housing hub or 3/4" pipe and EP conduit union fitting
- Rugged nickel plated brass mounting base

Applications

- Hazardous tank level monitoring
- Offshore platforms
- Chemical processing
- Power plants
- Wireless bridges
- Hazardous area computers
- Utility systems where explosive gases may be present



Antenna - Technical Specifications

Impedance	50 Ω
Gain	2.0 dBi
Max. Power	1 Watt
Connector Type	TNC female (2.4 GHz has reverse polarity female TNC)
Mounting Base	3/4" NPT
Weight	1.06 lbs., 0.48 kg
Max. Length	5.6", 142.2 mm (including TNC connector)

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Transmitter/Receiver - Technical Specifications

	Transmitter - AWT	Receiver - AWR
Frequency	902 - 928MHz	902 - 928MHz
Accuracy	N/A	.2% of full scale (Input sensor not incl.)
Transmit Power	1 Watt	N/A
Power Source	AC model: 85 to 265 VAC DC model: 12 to 32 VDC (sold separately)	12 to 32 VDC (sold separately)
Power Consumption	Transmit Mode: 4W @ 1W transmit power 1.65W @ 100mW transmit power	1.12W
Inputs/Outputs	Inputs: Analog 4-20 mA 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	Outputs: RS 232 Analog 4-20 mA or 0-5V One discreet opto-isolated output Relays: Form C Open input circuit User specified
Dimensions	1-3/4"H x 3"W x 4-1/4"D	1-3/4"H x 3"W x 4-1/4"D
Weight	.6 lbs.	.6 lbs.
Operating Temp.	-25°C to +85°C	-25°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.



Applicable Design Standards

- Antenna**
 UL / cUL Standard 1203
 Class I, Div. 1 NEMA 4X, 7CD, 9EFG
 Class I, Zone 1 IIB + H2
 Canada: CSA-E79-0 & CSA-E79-1
 U.S.: ANSI/UL60079-0, ANSI/UL60079-1

- Transmitter/Receiver**
 UL Standard 60950

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