Hesmor

WT-EX-409A-IS(Explosion-proof) (Intrinsically Safe for use in Hazardous)

Features

- Intrinsically Safe
- UL Listed
- Input Voltage 16-30 VDC
- Reverse Polarity Protected
- Analog Voltage Output
- Short Circuit Protected Sync/Enable Input Line
- LED Indicator Self Contained Sensor PVC Housing

• Various Sensing Ranges

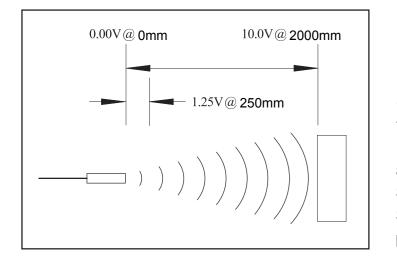
• Wide Temperature Range

• Temperature Compensation

Quick Disconnect Connector

The WT-EX-409A-IS is an intrinsically safe, analog ultrasonic sensor. It is a self-contained sensor in a 30mm PVC barrel housiing. It is powered by 16-30VDC with reverse polarity protection.

The WT-EX-409A-IS has a short circuit protected analog 0-10VDC output. The analog voltage is a fixed volts per mm based on the maximum range of the unit. For example using the WT-EX-409A-IS, the output is a linear 0.005 volts per mm. A target placed 254mm from the sensor will result in an output signal of 1.25 volts or a target placed at 2000mm from the sensor will result in an output of 10 volts.





The WT-EX-409A-IS has built-in temperature compensation to provide accurate readings throughout the entire operating temperature range.

An LED indicator is provided. The LED is green when not detecting and changes to red when a target moves into place. The sensor is completely sealed and the connection is made by way of IP and NEMA rated cables.

Besides the input and output lines there is a sync/enable line provided. This can be used for commecting multiple sensors together to prevent cross talk, or to fire the sensor at a particular time.

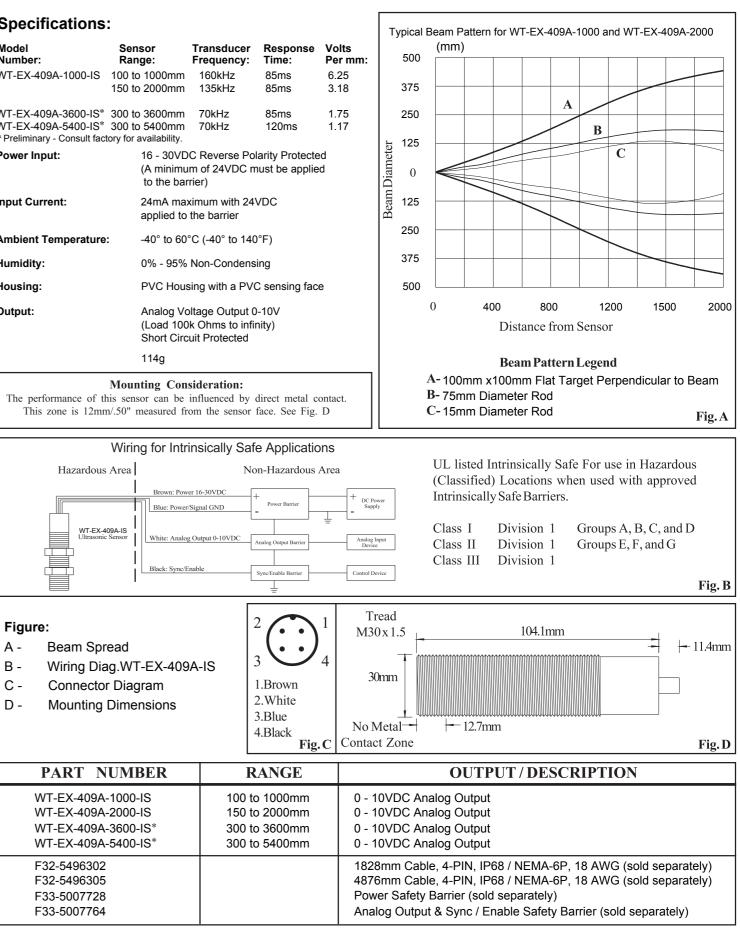
The WT-EX-409A-IS is designed to take advantage of today's PLC and computer analog input cards. The numerical values that are programmed into the PLC or computer will determine the zero and span.

If a set point or set points are required in the application, please refer to the Hesmor SPC-701, SPC-704, or M-1000 control products. Both the SPC-704 and M-1000 can also provide excitation power to drive the sensor.

Specifications:

	Model Number:	Sensor Range:	Transducer Frequency:	Response Time:	Volts Per m	
	WT-EX-409A-1000-IS	100 to 1000mm 150 to 2000mm		85ms 85ms	6.25 3.18	
	WT-EX-409A-3600-IS* WT-EX-409A-5400-IS* * Preliminary - Consult fact	300 to 5400mm		85ms 120ms	1.75 1.17	
Power Input:		(A minimu	16 - 30VDC Reverse Polarity Protected (A minimum of 24VDC must be applied to the barrier)			
	Input Current:		ximum with 24 the barrier	VDC		
Humidity:		-40° to 60	-40° to 60°C (-40° to 140°F)			
		0% - 95%	0% - 95% Non-Condensing			
		PVC Hou	PVC Housing with a PVC sensing face			
	Output:	(Load 100	oltage Output 0 0k Ohms to infir cuit Protected			
		114a				

This zone is 12mm/.50" measured from the sensor face. See Fig. D



PART NUMBER	RANGE	
WT-EX-409A-1000-IS WT-EX-409A-2000-IS WT-EX-409A-3600-IS* WT-EX-409A-5400-IS*	100 to 1000mm 150 to 2000mm 300 to 3600mm 300 to 5400mm	0 - 0 - 0 - 0 -
F32-5496302 F32-5496305 F33-5007728 F33-5007764		18 48 Po An

*Preliminary - Consult factory for availability

Hesmor