

Sound Sensor - Sound Level Transmitters

<p>SS1 - Sound Level Transmitter 65-100db SS1-420 In Stock - \$50 SS1-5V In Stock - \$50</p>	
<p>SS2-Low Rge (45-90 db) Sound Level Transmitter 45-90db SS2-Low-420 In Stock - \$95 SS2-Low-5V In Stock - \$95</p>	
<p>SS2-Hi Rge (80-134 db) Sound Level Transmitter 80-134db SS2-Hi-420 In Stock - \$95 SS2-Hi-5V In Stock - \$95</p>	
<p>SS3 - Sound Level Transmitter with Linear output 45-134db SS3-420 - \$135 SS3-5V - \$135 SS3 - RS232 Modbus - \$155</p>	

FEATURES

SS1 - Three wire 0-5V version and Two wire current loop (4-20 mA) version

SS2 - Three wire 0-5V and 420mA versions

SS3 - Three wire 0-5V and 420mA versions

SS1 - 1/2" threaded PVC housing - 2" long

SS2 & SS3 - 7/8" threaded PVC housing - 4" long

Low cost sound or noise measurement for PLCs and control systems

Useful in security systems, remote monitoring, detecting mechanical failures or malfunction.

Comes with two mounting nuts

+/- 4% accuracy*

Reverse polarity protected

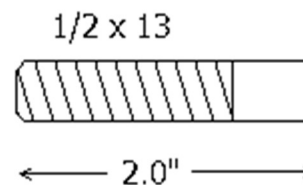
* Sound measurement is significantly influenced by sensor orientation and distance from the sound source (higher frequencies attenuate more rapidly over distance than lower frequencies). In addition, non-sinusoidal sound sources may vary in their sound energy component.

MECHANICAL



SS1

PVC 2" long 1/2 x 13 threads



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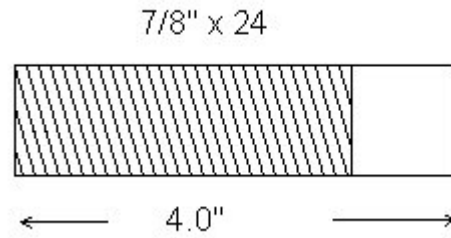
Ph: 864-848-3993

Fax: 864-848-9569



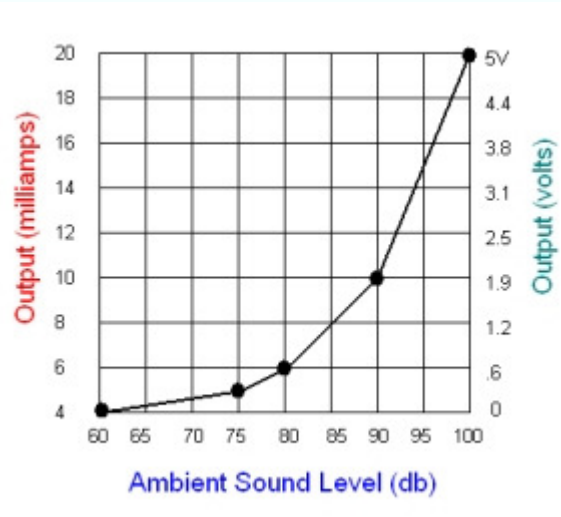
SS2 / SS3

PVC 4" long 7/8 x 24 threads

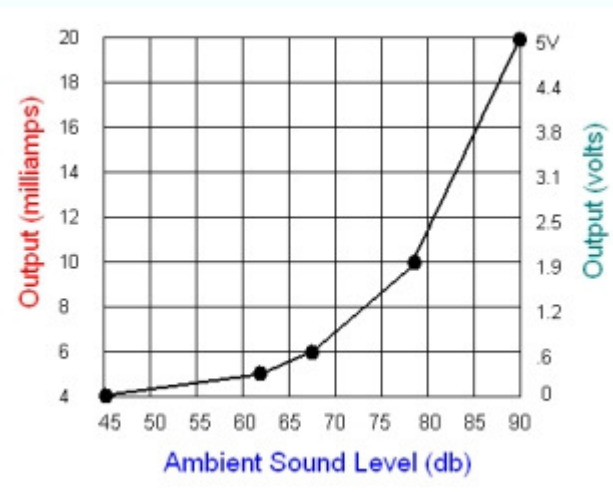


OUTPUT

SS1



SS2 - low



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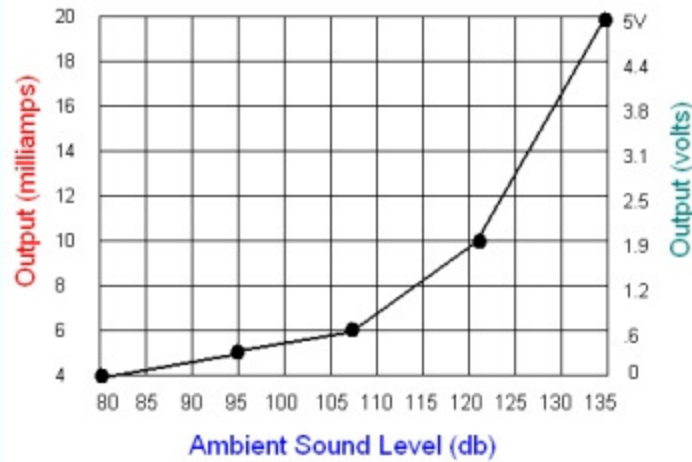
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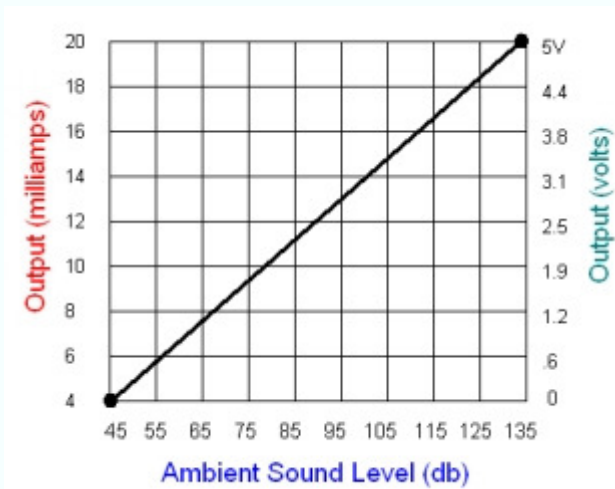
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SS2 -
Hi



SS3



Design considerations

The SS1, SS2, and SS3 are a low cost way to input sound or noise information into a PLC, process control meter, distributed control system (DCS), or other industrial control system. The SS1-420 can be mounted through any 1/2" hole and the two wires connected to an analog input card or other two wire 4-20 mA current loop circuit.

The SS1, SS2, and SS3 are designed for low cost applications where standard accuracy is acceptable.

Because the SS1 has a PVC housing, care should be taken to ensure that the operating environment does not get so hot that the PVC housing will soften. This may happen at temperatures around 180 to 190 degrees F.

The sound sensors should not be used as the sole sensing element in critical equipment or safety applications.

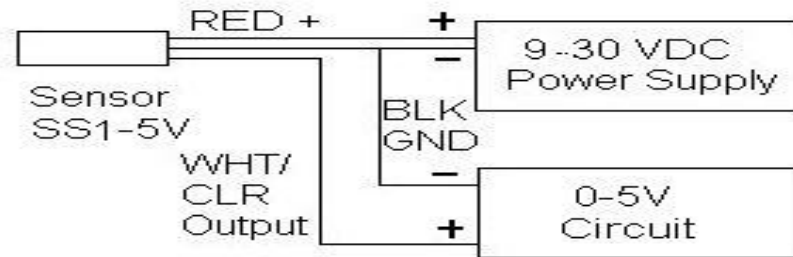
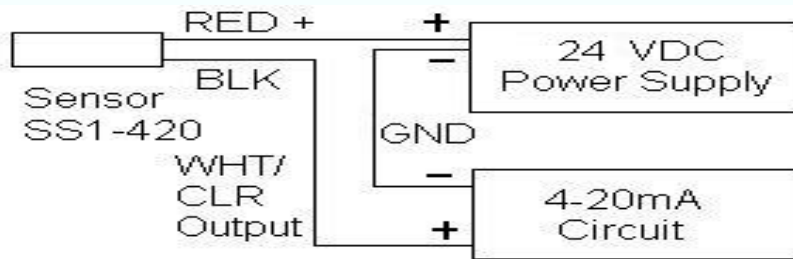
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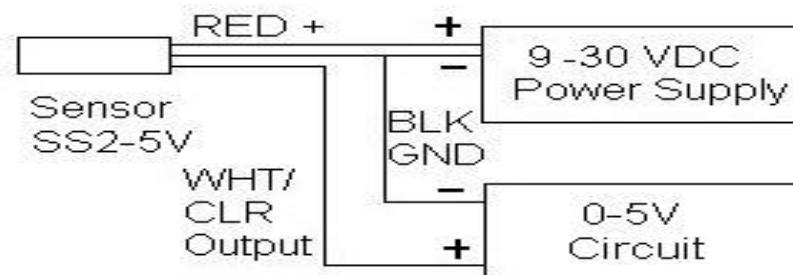
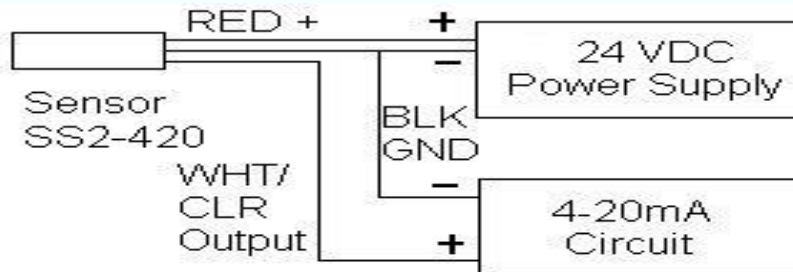
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WIRING

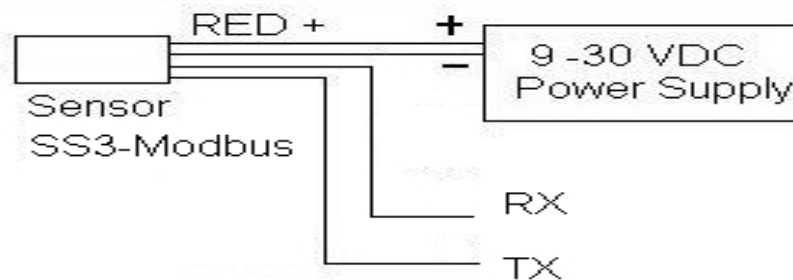
SS1



SS2 / SS3



SS3- Modbus



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Accessories	Description	Price	
SMB1-050/088	Sensor mounting bracket 1/2" and 7/8" holes	\$5	
SJB1-050 (SS1) SJB1-088 (SS2 / SS3)	1/2" sensor junction box w/side gland	\$15	

SPECIFICATIONS	SS1	SS2-Low	SS2-Hi	SS3
RANGE	65 to 100 db	45 to 90db	80-90db	45-134db
ACCURACY	+/- 4%	+/- 4%	+/- 4%	+/- 4%
OUTPUT Current Loop	20mA = 100db	20mA = 90db	20mA = 134db	20mA = 134db
OUTPUT Voltage (three wire)	5V = 100 db	5V = 90db	5V = 134db	5v = 134db
MOUNTING HOLE	1/2"	7/8"	7/8"	7/8"
THREADS	1/2" x 13	7/8" x 24	7/8" x 24	7/8" x 24
HOUSING	PVC IP34	PVC IP34	PVC IP34	PVC IP34

Part Numbers Call with your application Questions.

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