

Sound Sensor - Sound Level Transmitters

<p>SS1 - Sound Level Transmitter (65-100db)</p> <p>SS1-420 <u>In Stock</u> \$60.00</p> <p>SS1-5V <u>In Stock</u> \$60.00</p>	
<p>SS2-Low Range (45-90 db) Sound Level Transmitter</p> <p>SS2-Low-420 In Stock \$110.00</p> <p>SS2-Low-5V In Stock \$110.00</p>	
<p>SS2-Hi Range (80-134 db) Sound Level Transmitter</p> <p>SS2-Hi-420 In Stock \$110.00</p> <p>SS2-Hi-5V In Stock \$110.00</p>	
<p>SS3 - Sound Level Transmitter with Linear output</p> <p>Range 45-134db</p> <p>SS3-420 mA output \$155.00</p> <p>SS3-5V output \$155.00</p> <p>SS3 - RS232 Modbus \$155.00</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 - 7/8" threaded PVC housing - 4" long

SS3 Enclosure is small Poly box, 5.2" x 2.7" x 1.7"

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

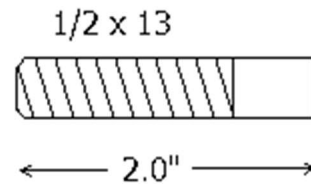
* Sound measurement is significantly influenced by sensor orientation and distance from the sound source (higher frequencies attenuate more rapidly over distance than lower frequencies). In addition, non-sinusoidal sound sources may vary in their sound energy component.

MECHANICAL



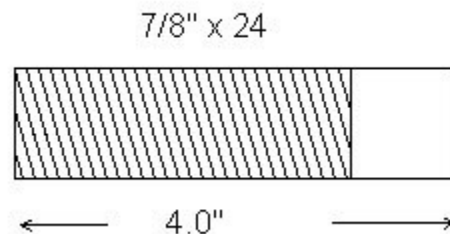
SS1

PVC 2" long 1/2 x 13 threads



SS2 / SS3

PVC 4" long 7/8 x 24 threads



Transitioning to a 20mm Housing

POB 1778 Greer, SC 29652
414 West Poinsett Street Greer, SC 29650

mike@traskinst.com

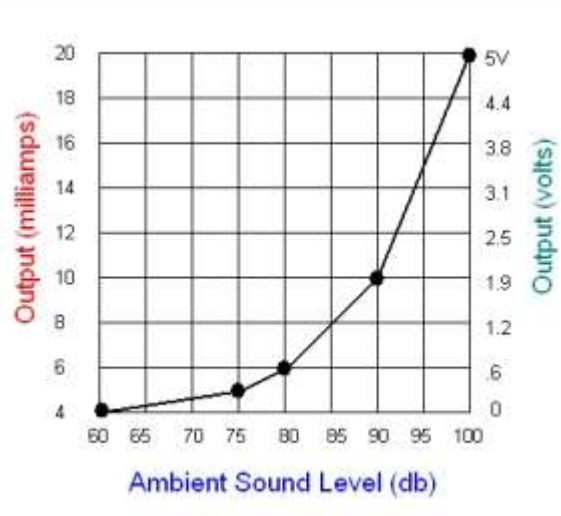
www.traskinst.com

Ph: 864-848-3993

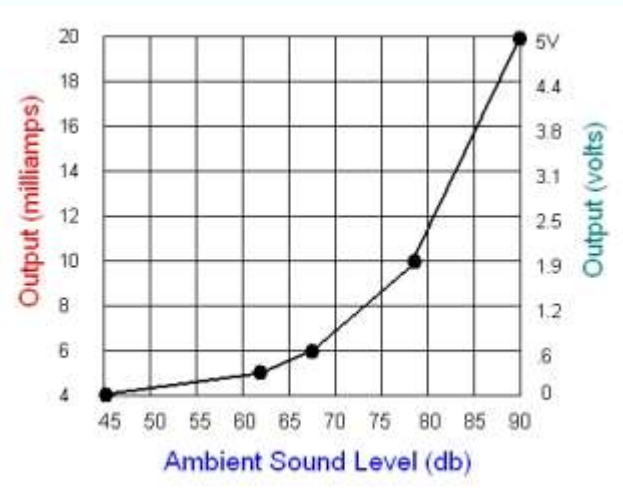
Fax: 864-848-9569

OUTPUT

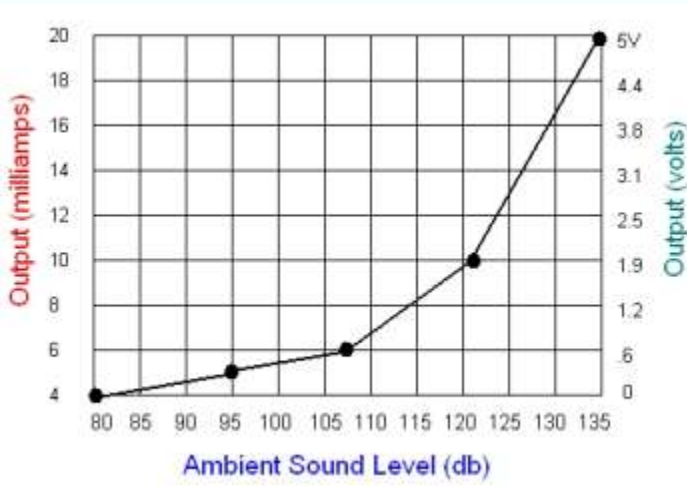
SS1



SS2 - low



SS2 - Hi



POB 1778 Greer, SC 29652
414 West Poinsett Street Greer, SC 29650

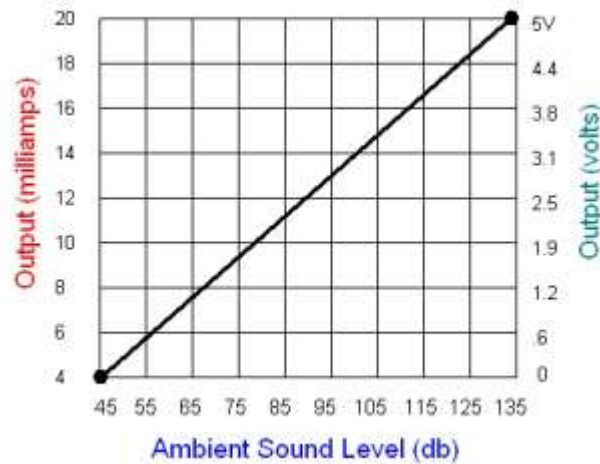
mike@traskinst.com

www.traskinst.com

Ph: 864-848-3993

Fax: 864-848-9569

SS3



Design considerations

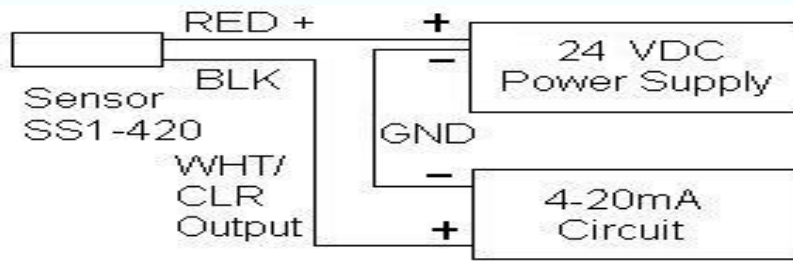
The SS1, SS2, and SS3 are a low-cost way to input sound or noise information into a PLC, process control meter, distributed control system (DCS), or other industrial control system. The SS1-420 can be mounted through any 1/2" hole and the two wires connected to an analog input card or other two wire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

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

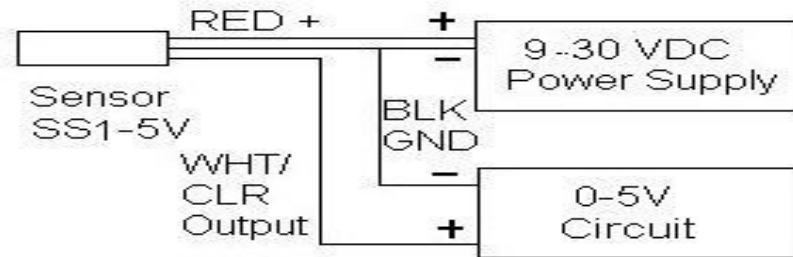
Because the SS1 has a PVC housing, care should be taken to ensure that the operating environment does not get so hot that the PVC housing will soften. This may happen at temperatures around 180 to 190 degrees F.

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

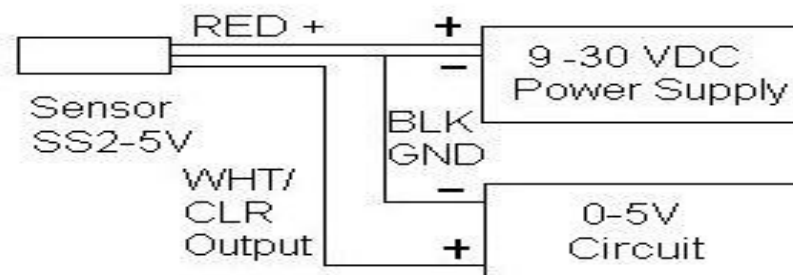
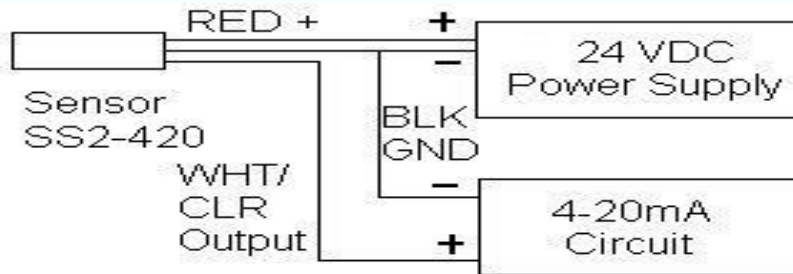
WIRING



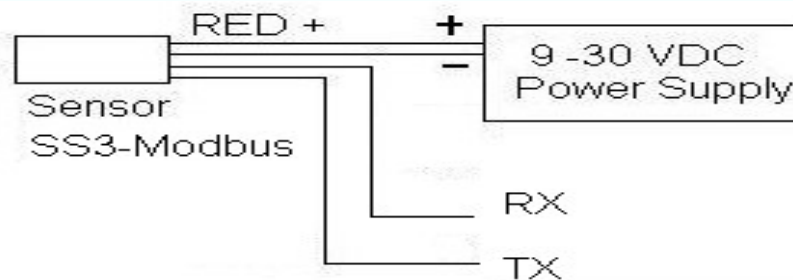
SS1



SS2 / SS3



SS3- Modbus



POB 1778 Greer, SC 29652
414 West Poinsett Street Greer, SC 29650

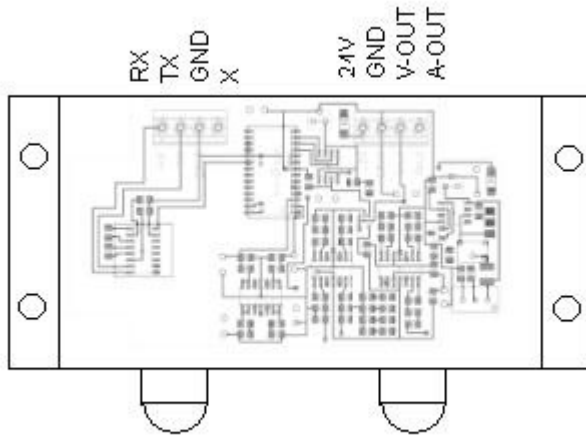
mike@traskinst.com

www.traskinst.com

Ph: 864-848-3993

Fax: 864-848-9569

SS3 Wiring



Accessories	Description	Price	
SMB1-050/088	Sensor mounting bracket 1/2" and 7/8" holes	\$7.50	
SJB1-050 (SS1) SJB1-088 (SS2 / SS3)	1/2" sensor junction box w/side gland	\$17.50	

POB 1778 Greer, SC 29652
414 West Poinsett Street Greer, SC 29650

mike@traskinst.com

www.traskinst.com

Ph: 864-848-3993

Fax: 864-848-9569

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

Call or Email with your application Questions.

Regards,

Trask Instrumentation Inc.

POB 1778 Greer, SC 29652
414 West Poinsett Street Greer, SC 29650

mike@traskinst.com

www.traskinst.com

Ph: 864-848-3993

Fax: 864-848-9569