

Product description

The GE-SP1 static pressure probe is a precise measuring tool that converts static pressure into a standard 4-20 mA signal. It is used to measure the pressure difference between 2 rooms or between a building's interior and the exterior. Thanks to its magnetic sensor, the GE-SP1 supplies an exceptional long-term performance. This probe is the ideal solution for all applications requiring static pressure and air flux readings.

Notable features of the GE-SP1 include:

- Easy installation
- Reliable readings
- Rugged, durable fabrication

Installation

The GE-SP1 should be installed according to the installation diagram provided on the reverse side of this product sheet.

It is recommended to install the unit in a hallway to limit the GE-SP1 exposure to noxious gases. Do not install in the breeding room.

Your GE-SP1 comes (if ordered as part of the kit) with one IA-15 voltage controller card which must be added to the controller that will manage the GE-SP1.

In order to avoid condensation problems inside the GE-SP1, it is recommended to install the GE-SP1 on an inside wall. If it is not possible, use spacers to have an air gap between the wall and the GE-SP1.

It is required to install the GE-SP1 **vertically** (Hi/Lo tubes must be facing down) in order to limit the impact of gravity on the sensor diaphragm.

The cables and tubes of the probe must be facing down in order to avoid humidity getting into the probe.

The GE-SP1 should be installed in an easily accessible location but away from damaging elements (heat, cold, water, direct sunlight, ...).

Do not install the GE-SP1 near high-voltage equipment, power supplies or transformers.

The Hi tube must go to the attic space, while the Lo tube must be located in the breeding room.

Do not install in the attic space.

The GE-SP1 module must never be installed outside a building. It cannot survive adverse weather effects and is meant for interior use only. **INSTALLING THE GE-SP1 SYSTEM OUTSIDE A BUILDING, OR IN AN AREA WHERE IT IS EXPOSED TO WEATHER EFFECTS, WILL VOID THE WARRANTY.**



Specifications

Weight

8 oz (230 g)

Tubes

3/16" (5 mm) internal ; 0.45" (9 mm) external

Temperature limits

0 °F to 150 °F (-18 °C to 66 °C)

Pressure limits

1 psi maximum, operation; 10 psi, burst

Relative humidity

90% maximum without condensation

Power requirements

12 VDC

Output signal

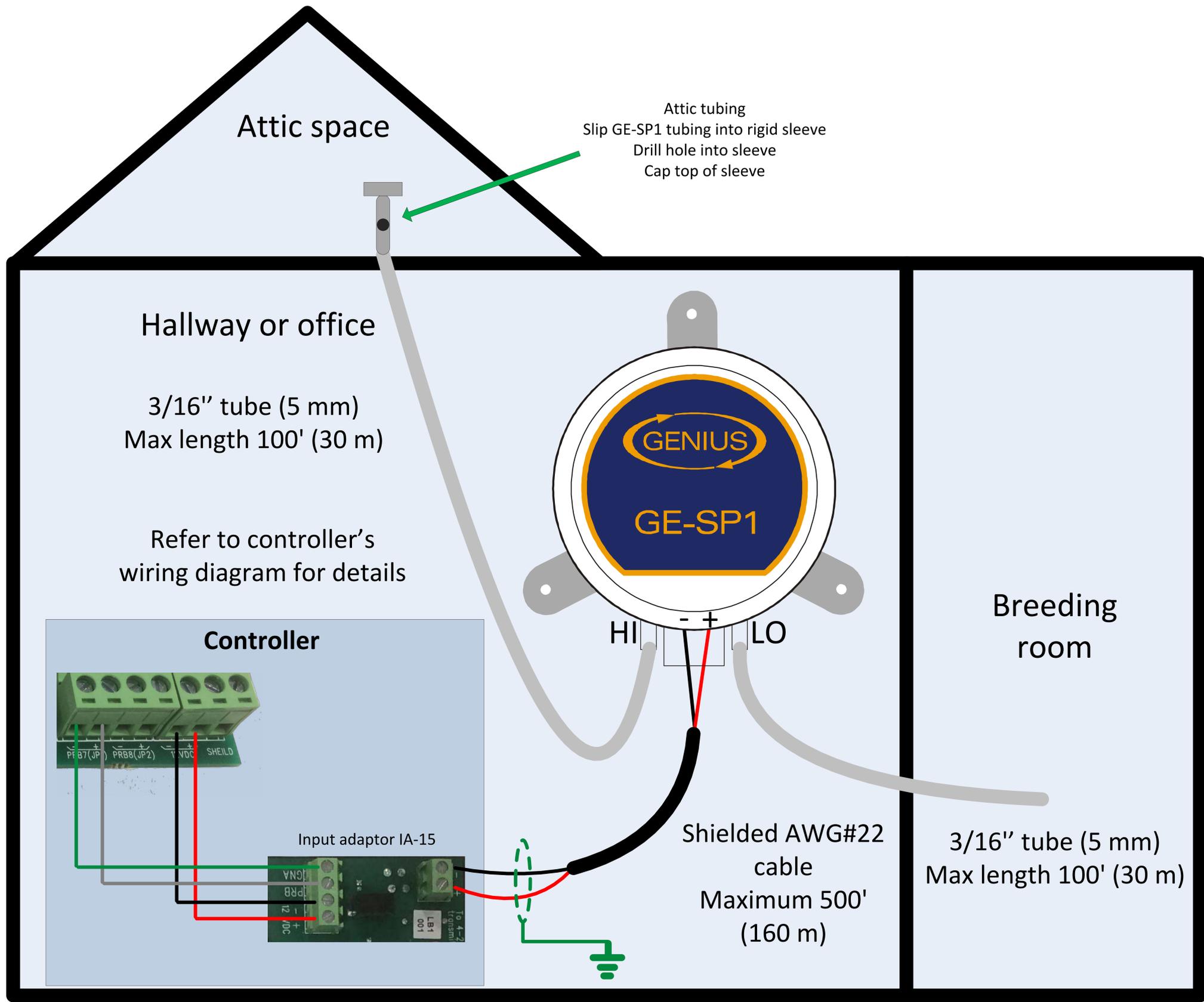
4 to 20 mA, 2 wires

Current consumption

40 mA max

GE-SP1 product sheet





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