GEIST™ SMOKE ALARM
Quick Installation Guide

Part Number:
SA9

Description
The photoelectric Smoke Alarm is a 120 VAC/9 VDC and 220 VAC/9 VDC unit that can be used in single or multiple (tandem) applications. It interfaces with a Geist environmental monitoring appliance.

NOTE: *If the Geist environmental monitoring device does not have analog/dry contact inputs, the Geist A2D analog-to-digital converter can be utilized for conversion to an RJ12 sensor port.*

CAUTION: *New Construction: DO NOT attach the smoke alarm head until AFTER sanding, painting and other dust creating situations are finished and cleaned up.*

WARNING: *Turn off electricity to prevent SHOCK to you and damage to the smoke alarm. Be sure the power cord to the unit is not controlled by any on/off switch, or other type of switch, other than a fuse or circuit breaker.*

NOTE: *Smoke alarm installation must conform to the electrical codes in your area and to Article 760 of the U.S. National Electric Code®. Wire installation should be performed by a licenced electrician.*

NOTE: *The wiring to be used should be in accordance with the provisions of Article 300.3(B) of the National Electric Code, NFPA 70, as well as Article 210.*

Installing the junction box
1. Determine the location for the smoke alarm and junction box.
2. Install an electrical junction box. Run a minimum of 16 gauge, two-conductor cable, plus ground (three wires) to the junction box from a power supply. Smoke alarms should be connected to their own dedicated circuit. Use ANSI/UL Listed Class 1 wire.

Installing the smoke alarm
NOTE: *For trouble areas where there can be a large volume of air blowing out through the electrical junction box, you must first insert the cardboard shield packaged with the smoke alarm. Apply the shield to the backside of the device before securing it to the mounting plate.*

1. Make wire connections to the supplied plug-in connector as follows: black to black, white to white and connect the ground wire to the metal outlet box.

   NOTE: *The red-yellow wire from the smoke alarm is for tandem connection only. Do not use it and do not remove the wire's insulation cap unless connecting another SA9 smoke alarm.*
2. Connect the violet-black wire from the supplied plug-in connector to terminal C and the violet wire to terminal 1 on the environmental monitoring device.
3. Insert the plug-in connector through the center hole of the mounting adaptor plate and fasten the mounting adaptor plate to the junction box.
4. Install the 9 V battery into the battery compartment located on the back of the smoke alarm base.
5. Plug the wire connector into the smoke alarm base.
6. Place the smoke alarm up to the mounting adaptor plate. Rotate the smoke alarm clockwise until it firmly snap locks into place.

Installing multiple smoke alarms
For in-depth instructions, refer to the installation instructions inside the unit box.

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