



## Air Flow Sensors

### Instructions For Installing Air Flow Sensors

Air Flow Sensors are specially designed to interface with a Room Alert ID Box. Air Flow Sensors can be used to monitor HVAC vents, system or server internal or external exhaust fans, cooling fans, dehumidifier fans and any other fan or vent to be sure there is constant air flow or a lack there of.

Carefully mount the Air Flow Sensor to the target fan or vent using the clip provided, or any other reliable method, such that any air flow passing through that location will activate the highly sensitive sensor flap on the Air Flow Sensor. Please see below to determine the state of the switch when the flap is in a “normal state” of operation.

To connect the Air Flow Sensor to the Room Alert ID Box, run the sensor cable to the Room Alert ID Box and connect the wire to the contacts for a single switch sensor. There is no polarity associated with the connections on the Room Alert ID Box.



Sensor cable can be any low voltage cable such as bell wire, speaker cable, data cable or telephone cable. Minimum voltage insulation 50v, minimum current carrying capacity 1A. Maximum recommended length between the sensor and the hosting Room Alert ID box is approximately 100', although shorter lengths will yield more reliable performance and distances up to 900' are possible. Test your setup to ensure proper operation.

#### IMPORTANT SAFETY NOTICE

The Connectors On The Sensor ID Boxes Are Volt-Free Contacts Only. Do Not Connect These Terminals To Any Live Circuit. A Qualified Electrician Should Be Consulted To Test Any Wires You Connect To The Room Alert ID Box For The Presence Of Electrical Voltages And If Any Are Detected, They Must Not Be Wired To The ID Box. The ID Box May Become Dangerous If You Connect It To A Live Circuit. Never Connect Main Power To Any Of The Room Alert Sensors Unless Specifically Instructed To Do So Using The AVTECH Software 5V Power Adapter. If Required, An AVTECH Software 5V Power Adapter Will Be Included With That Sensor. DO NOT Use Switch Sensors In 'Explosive' Environments Unless Approved For Those Environments.