

Duct Mounted Ion Sensor Submittal

In many applications of Aerisa’s ionization technology, it is often required that a certain level of ions be present in the air stream. Aerisa’s Duct Mounted Ion Sensor allows the user to define the levels at which ions can be sensed. This is accomplished through a control dial that is adjusted based on the users requirement. There are five (5) levels of sensitivity; 500, 5,000, 10,000, 15,000 and 20,000 ions/cm³.

The Duct Mounted Ion Sensor is also able to communicate directly with the Building Automation System (BAS) through its set of dry contacts. When the level of ions falls below the user defined sensitivity, the contacts will open and they will close when the level is above.

A set of LED lights are also included to show that the unit is on as well as a light to show presence of ions.

The Duct Mounted Ion Sensor is designed to be mounted on the side of the duct. Each side of the face plate has a flanged area with two mounting holes for ease of installation. Once installed, the ion detecting probe will be extended into the airstream.

Duct Mounted Ion Sensor



Duct Mounted Ion Sensor Specifications:

Housing Material:	Cast Aluminum
Maximum Operating Temperature:	200°F (93°C)
Electrical:	
Input Voltage	12V DC or 24V DC
Frequency	50/60 Hz
Mounting:	Side angle brackets
Pressure Drop:	<0.05" W.G.
Dimensions:	See Figure 1
Ion Detection:	LED and Closed Contact
Detection Range:	500-20,000 ions/cm ³
Detection Adjustability:	User
Detection Polarity:	Positive and Negative
Detection Limit:	500-20,000,000 ions/cm ³

FIGURE 1

