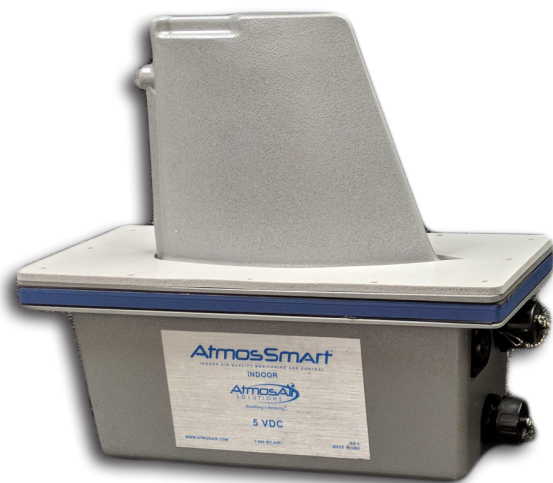


# AtmosSmart

## Application

The AtmosSmart ionization system's sensor head & controller, is intended to be mounted in the return duct or air handler of a heating, cooling, or ventilating system. The unit is intended to monitor and control the AtmosAir® Active Ionization Systems. With data visibility using Bac-Net.



## Specifications:

General Product Information		Product Description	Feedback for active ionization intensity; monitoring & control
		Product Application	Air Handling Units; Roof top units
		Control Capacity	Controls up to eight (8) AtmosAir® Ionization systems.* (Requires master control box *Optional) Standard unit; (1) BPI. Optional Unit; (2) BPI (Must be ordered)
Sensor Suite Full**		Test Range	Sensor Application
Lite ‡		** Air-Quality Sensor 1 ‡	Integral - TVOC (Total volatile organic compounds)
		** Air-Quality Sensor 2	Integral - HCHO (Formaldehyde Concentration)
		** Air-Quality Sensor 3	Integral - PM 2.5 (Particulate Matter 2.5)
		** Humidity Sensor ‡	Integral
		** Temperature ‡	Integral
		** Ozone Sensor ‡	Integral
		** Carbon Monoxide	Integral
		** Carbon Dioxide ‡	Integral
Other Sensors		Flow Sensor	Differential pressure switch* (Optional; Must be ordered separately)
Electrical Statistics		Rated Voltage	90VAC to 240VAC Power Supply
		Frequency (Hz)	50/60
		Voltage Range (V)	Control - 5VDC
		Power Consumption (W)	12
		Current (A)	2.4
		Regulation of BPI Control	Algorithm-Based Modulation
		Output Current for Modules	5VDC to 24VDC
		Interface	Data/BMS
Product Ratings		Ambient Temp.	-10°C ~ 50°C
		Protection Class	0% - 99% Non-Condensing
		Humidity	0% - 99% Non-Condensing
		Ingress Protection	IP41 (DIN EN 60529)
		Electrical Safety Compliance	EN 60730-1
		EMC Compliance	EN 60730-1, EN 61000-6-1, EN 61000-6-3
Installation Statistics		Directives Dimension (L/H/D)	2006/95/EC, 2004/108/EC, 2011/65/EU
		Required Space (L/H/D)	AA508FC (Typ.) 704mm (~27.75 in) (L) x 273mm (~10.75 in) (H) x 241mm (~9.5 in) (D)
		Sensor Head Size (L/W/D)	305mm (~12 in) (L) x 127mm (~5 in) (H) x 267mm (~10.5 in) (D)
		Weight Installation	Sensor 1.5Kg (~3.3 lbm); AA508FC (Typ.) 10.04Kg (~22 lbm)
		Treated Air Volume	Specific Calculation = M dot
		Internet Connection	TCP/IP