

# PRODUCT SUBMITTAL

# AtmosSmart IoT



## 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 that is supplying air to the same AHU. The standard unit simplifies monitoring and control of up to eight (8) AtmosAir™ Active Ionization Systems, using BACnet IP Communication.

## SPECIFICATIONS

### Air Quality Measurements

Ambient Temperature °F/°C	Range: 40°F to 257°F/ -40°C to 125°C
Ambient Humidity (RH%)	Range: 0 to 100
PM1.0, PM2.5, PM10 (µg/m <sup>3</sup> )	Range: 0 to 1,000
TVOC (ppb)	Range: 0 to 2,000
CO <sub>2</sub> (ppm)	Range: 400 to 2,000
Ozone (ppb)	Range: 0 to 10,000
CO (ppb)	Range: 0 to 500,000
CH <sub>2</sub> O (ppb)	Range: 0 to 5,000

### Electrical Statistics

Rated Voltage	90 to 240 VAC (Auto Switching)
Frequency	50/60 Hz
Power Consumption	120 Watts
Current Draw	1.0 Amp (1,000 mA)
Regulation of BPI Control	Algorithm-Based Modulation
BMS Compatibility	BMS Integration; BTL Certified

### Installation Statistics

Required Space [AA508FC] (L/W/D)	704mm (~27.75") x 273mm (~10.75") x 241mm (~9.5")
Sensor Head Size (L/W/D)	305mm (~12") x 127mm (~5") x 267mm (~10.5")
Weight Installation	Sensor 1.5kg (~3.3lbm) 508FC 10.04kg (~22 lbm)
Internet Connection / Interface	BACnet IP; Optional Cellular Modem required to use online monitoring service

### IoT Monitoring Features

Data Reports	AtmosSmart IAQ Sensors; Outdoor AQI; Up to 8 AtmosAir Devices; Users & Permissions
Remote Control	Programming; Calibration; IAQ Data; Connected Devices
Data Calibration	LEED, WELL, FITWELL, RESET

### Applicable Codes & Standards

US / CAN and EU Standards

