

Nozzle Ionizei

High Frequency lonization Systems

Model 4110 Nozzle Ionizer



High Frequency Ion Emission Facility Monitoring System(FMS) Interface Power Failure Alarm Compact Size

BENEFITS

Multi-Color Visual Alarm Audio Alarm Emitter Point Easy Clean and Replace Connect to Process Equipment Versatile Application



APPLICATIONS

Tribocharging is a typical ESD source and induced field from insulators must be controlled in EPA(ESD protected area). Process required insulators are commonly used in many places and should be neutralize by ionization systems.

Model 4110 has designed versatile applications for semiconductor backend, printed circuit board assembly and general electronics applications. Model 4110 Nozzle Ionizer has built-in feedback sensor to detect out of balance in low voltage level.

Output alarm monitoring interface will allow real time ionizer status monitoring and give visual(LED) & audio(buzzer) alarms when HV power fail.



Model 4110 Nozzle Ionizer

SPECIFICATIONS (Preliminary)

24V DC, 2.2W (Maximum)	
High Frequency AC (70kHz)	
Avg.≤ ±10V, Max.≤ ±30V	
±1000V to ±100V less than 1 seconds at 15cm	
Tungsten 99.99%	
Visual (LED), Audio (Buzzer) HV Power Fail (Normal open)	
FMS Interface	
0.1~0.5 Mpa	
6mm Inlet	
lonizer body : ABS (White) Bracket : SUS	
Temperature : 15~35°C, Humidity : 35~85% RH	
134×55.5×25mm With bracket 134×61.1×25mm	
90g (with bracket)	
1year	



Nozzle Ionizer-Sensor Model 4111

Model 4111 is operating air outlet when the IR sensor detect. (ex : Conveyor lines, etc)

<Model 4111>



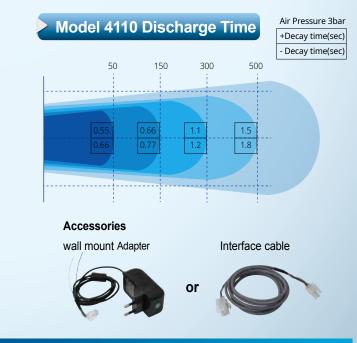
CONNECTOR



DC 24V & Alarm Interface

Pin No.	Description
FMS 1	DC 24V +
FMS 2	DC 24V - (Ground)
FMS 3	HVP Alarm relay output
FMS 4	HVP Relay common

Facility Monitoring System Output Signals		
Conditions	FMS 3-4	
Normal	OPEN	
Alarm	CLOSED	
Power OFF	CLOSED	



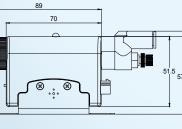


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Sizes & Dimensions(mm)





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