



Ionizer Controllers

MODEL 5024 and MODEL 5084

The ION Systems Ionizer Controllers Models 5024 and 5084 provides power and control to our Ceiling Emitters (Models 5509 and 5512) and AeroBars (Models 5285, 5290, 5292).

The Model 5024 is available in a standard model that supports up to four ionizers (Ceiling Emitter Models 5509 and 5512 and AeroBar Models 5285, 5290, and 5292). An enhanced version of the Model 5024 has the ability to power up to 20 units and include an alarm that alerts the user of any ionizer failure.

The Model 5084 supports up to 80 ionizers and features an alarm that alerts the user of any ionizer failure. An FMS (Facilities Monitoring System) interface allows system integration of alarm notification. Timing and output of the Model 5084 can be programmed through the Handheld Input Module Model 5080.

The controllers can adjust output timing of ionizers up to 10 seconds for sequenced bipolar operation.

Features and Benefits

- Power 4, 20 or 80 ionizers
- Single timing setting synchronizes ion emission for all ionizers attached to a controller
- Alarm LED and audible alarm option on Model 5024; alarm LED and FMS output on Model 5084
- Models available for any installation size
- Reduced recombination effects at adjacent ionizers for optimal ion delivery
- Immediate notification of alarm conditions

Specifications

Controller Model 5084E

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|-----------------------|--|
| Power | 24W + 1W per ionizer |
| Input | 100/120/230 VAC ±10%; 50/60 Hz voltage selectable and fuse-protected |
| Output | 24 VAC and ±10 VDC control signal |
| Output Signal | -10 to +10 VDC, controls output level for each polarity |
| Capacity | 80 ionizers (Model 5509, 5512, 5285, 5290, 5292) |
| Timing Control | Ionization on and off cycles for each polarity (0-9.9 seconds) |
| User Interface | Handheld terminal Model 5080, FMS interface |
| Indicators | Power on, alarm, positive/negative emitter on/off; local or online communication |
| Alarm | LED indicates ionizer failure |
| Alarm Reset | Switch provided on front panel |
| Dimensions | 15L x 4.5D x 6.75H in. (38.1L x 11.4D x 17.1H cm) |
| Weight | 9.25 lb (4.2 kg) |
| Warranty | Two year limited warranty |

Certifications



Controller Model 5024

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|-----------------------|--|
| Power | 8W + 1W per ionizer |
| Input | 100/115/230 VAC ±10%; 50/60 Hz voltage selectable and fuse-protected |
| Output | 24 VAC and ±10 VDC control signal |
| Output Signal | -10 to +10 VDC, controls output level for each polarity |
| Capacity | 4 ionizers (Model 5509, 5512, 5285, 5290, 5292) |
| Timing Control | Ionization on/off cycles for each polarity (0.2-10 seconds) |
| Indicators | Positive and negative ion output LEDs |
| Dimensions | 12L x 2.25D x 2.5H in. (30.5L x 5.7D x 6.4H cm) |
| Weight | 3.25 lb (1.5 kg) |
| Warranty | Two year limited warranty |

Certifications

RoHS Compliant



Controller Model 5024E

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|----------------------|---|
| | All other specs are the same as Controller Model 5024 above |
| Capacity | 20 ionizers (Model 5509, 5512, 5285, 5290, 5292) |
| Alarm | LED indicates emitter failure; optional audible alarm available |
| Status Output | Optional Model 5090 FMS interface attachment |

Ordering Information

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|-------------------------|---|
| 91-5024-CER | 5024 Controller, supports up to 4 ionizers (5509e, 5512, 5285, 5290, 5292), power cord included |
| 91-5024E-CER | 5024 Controller with Alarm, supports up to 20 ionizers (5509e, 5512, 5285, 5290, 5292), power cord included, |
| 91-5024E-CE-ALMR | 5024 Controller with Audible Alarm, supports up to 20 ionizers (5509e, 5512, 5285, 5290, 5292), power cord included |
| 91-5084E-CE | 5084 Controller with Alarm, Supports up to 80 Emitters (5509e, 5510, 5512) power cord included |
| 91-5080 | 5080 Handheld Terminal for Controller 5084e |



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