



Ionizer Controllers

MODEL 5024 AND MODEL 5084

The Simco-Ion Ionizer Controllers Models 5024 and 5084 provides power and control to our 5509e Ceiling Emitters and Model 5285 AeroBars®.

The Model 5024 is available in a standard model that supports up to four ionizers. An enhanced version of the Model 5024 has the ability to power up to 20 units and includes 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

- 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

Benefits

- 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	
Power	24W + 1W per ionizer
Input	100/120/230 VAC $\pm 10\%$; 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 5509e, 5285)
Timing Control	Ionization on 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	CE cULus
Controller Model 5024	
Power	8W + 1W per ionizer
Input	100/115/230 VAC $\pm 10\%$; 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 5509e, 5285)
Timing Control	Ionization on 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 CE cULus
Controller Model 5024E	
	All other specifications are the same as Controller Model 5024 above
Capacity	20 ionizers (Model 5509e, 5285)
Alarm	LED indicates emitter failure; optional audible alarm available
Status Output	Optional Model 5090 FMS interface attachment

Ordering Information

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



Model 5080 Handheld Terminal

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www.bondline.com.au
 Tel: (02) 9757 3590

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Simco-Ion
 Technology Group
 1750 North Loop Rd., Ste 100
 Alameda, CA 94502
 Tel: 800.367.2452 (in USA)
 Tel: 510.217.0600
ioninfo@simco-ion.com
www.simco-ion.com