

5084(e) Controller

The 5084 powers up to 80 ceiling emitters or AeroBars and can adjust ON and OFF parameters of up to 10 seconds for sequenced bipolar operation. Timing and output can be programmed through the hand-held 5080 Input Module.

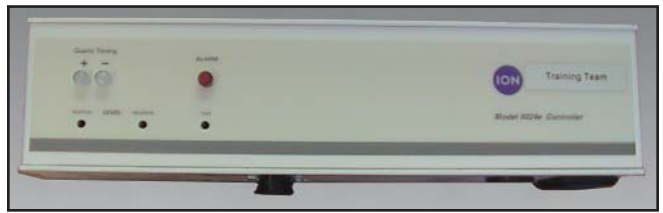
The 5084e enhanced controller has the above capabilities, and also includes an alarm that alerts the user of any emitter failure. The 5084e is compatible with software packages (available from



Ion Systems) that allow 5000 series ionization systems to communicate with Facilities Monitoring Systems (FMS). RS422 communications provide a software and hardware interface.


5024(e) Controller

The 5024 powers up to 4 units. Ion emission output timing can be adjusted for up to 10 seconds. 5024e enhanced controller have the ability to power up to 20 units and include an alarm that alerts the user of any emitter failure.




Specifications

5084 CONTROLLER

| | |
|-----------------------|--|
| Power | 24 watts + 1 watt per emitter |
| Input | 100/120/230 VAC $\pm 10\%$, 50 or 60 Hz voltage-selectable and fuse-protected |
| Output | 24 VAC and ± 10 VDC control signal |
| Output Signal | -10 VDC to +10 VDC, controls output level for each polarity |
| Capacity | 80 emitters or bars |
| Timing Control | Ionization ON and OFF cycles for each polarity (0–9.9 seconds) |
| User Interface | Hand-held terminal |
| Indicators | Power ON, alarm, positive and negative emitter ON/OFF, LOCAL or ONLINE communication |
| Dimensions | 15" L x 4.5" D x 6.75" H (38.1 x 11.4 x 17.1 cm) |
| Weight | 9.25 lbs. (4.2 kg) |
| Warranty | 2-year limited warranty |
| Certifications |  |


5084E ENHANCED FEATURES

| | |
|-----------------------|---|
| Alarm | LED indicates emitter failure; optional audible alarm available |
| Alarm Reset | Switch provided on front panel |
| User Interface | Hand-held terminal, host PC or Facilities Monitoring System |
| Certifications |  |


5080 INPUT MODULE

| | |
|-----------------|--|
| Controls | Hand-held terminal to control 5084(e) controller |
| Keypad | 30-key membrane |
| Display | 2x6-character LCD |

5024 CONTROLLER

| | |
|-----------------------|---|
| Power | 8 watts + 1 watt per emitter |
| Input | 100/115/230 VAC, 50 or 60 Hz, voltage-selectable and fuse-protected |
| Output Voltage | 24 VAC and ± 10 VDC control signal |
| Output Signal | -10 VDC to +10 VDC, controls output level for each polarity |
| Capacity | 4 emitters or bars |
| Timing Control | 0.2–10 seconds timing control of ion output |
| Indicators | Positive and negative ion output LEDs |
| Dimensions | 12" L x 2.25" D x 2.5" (30.5 x 5.7 x 6.4 cm) |
| Weight | 3.25 lbs. (1.5 kg) |
| Warranty | 2-year limited warranty |
| Certifications |  SEMI F47 |

5024E ENHANCED FEATURES

| | |
|-----------------------|---|
| Capacity | 20 emitters or bars |
| Alarm | LED indicates emitter failure; optional audible alarm available |
| Status Output | Optional model 5090 FMS interface attachment |
| Certifications |  SEMI F47 |

Ion Systems

1005 Parker Street, Berkeley, CA USA 94710
Telephone 510.548.3640 or 800.367.2452
Fax 510.548.0417
www.ion.com

*Ion Systems' Logo is a trademark of Ion Systems.
© 2000 Ion Systems. Printed in the USA 08/02*

**ISO 9001
CERTIFIED**