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## **EVOLUTION SERIES**



The **Smoke Screen E Series** comprises three extremely reliable security smoke generators producing uniquely dense smoke that leaves no long term ill effect at a rate of 800 to 1200 m<sup>3</sup> per minute for the protection of large office, commercial, industrial and warehousing facilities.

### **Specifications for the E800, E1000 and E1200 models**

|                     |  |                 |  |
|---------------------|--|-----------------|--|
| Smoke Output        | E800: 800 m <sup>3</sup> /minute; E1000: 1,000 m <sup>3</sup> /minute; E1200: 1,200 m <sup>3</sup> /minute |                 |  |
| Smoke Capacity      | Variable from 15 seconds to 6 minutes (@ maximum output)   |                 |  |
| Smoke Fluid         | Polyglycols - USP  | Fluid Supply    | E800: one refillable aerosol<br>E1000: two refillable aerosols<br>E1200: fluid reservoir |
| Smoke Particle size | 0.2 micron   | Smoke hang time | 60 minutes   |

## EVOLUTION SERIES

| Specifications for the E800, E1000 and E1200 models –continued |   |                   |   |
|--|---|-------------------|---|
| Heater Block(s)  | Precision machined steel  | Number of heaters | E800: one<br>E1000 and E1200: two                           |
| Heater Rating  | 2.8 kW  | Duty Cycle        | 7%  |
| Operating Voltage  | 110 Volt 25 Amp (230 Volt optional)   |                   |   |
| Construction   | Steel chassis and cover with tough powder coated finish.  | Dimensions        | 30 (H) x 20 (D) x 28 (W) cm<br>12 (H) x 8 (D) x 11 (W) inch |
| Weight:  | 19 - 20 kg  | On-board power    | 12 Volt; 200mA  |
| Protective Devices   | <ul style="list-style-type: none"> <li>• Tamper Circuit</li> <li>• Thermal Cut-out</li> <li>• Fused Supply</li> </ul>   |                   |   |
| Off Mains UPS  | An external UPS (Uninterruptible Power Supply) can be used with this system. Connection of the UPS does not affect performance.   |                   |   |
| Other features   | <ul style="list-style-type: none"> <li>• Easily concealed in ceiling plenum or wall cabinet, mounted on wall or suspended from ceiling</li> <li>• Attractive, compact and robust case</li> <li>• Simple and fast installation – compatible with all alarm panels</li> <li>• CE certified, EMC and BS7939 compliant</li> </ul> |                   |   |
| Intruder Alarm Panel Connections                               |   |                   |   |
| 'Trigger'  | Switching 0-volts: connected through a Normally-closed relay in the alarm panel   |                   |   |
| 'Ready State'  | Volt-free relay output (Normally-closed when 'Ready') for remote monitoring   |                   |   |
| 'Low Fluid'  | Volt-free relay output (Normally-closed when OK) for remote monitoring  |                   |   |
| 'Verification'   | Volt-free relay output (Normally-closed) opening when the machine has produced smoke  |                   |   |
| Alarm Hold-off (PIR Sensor) Connections                        |   |                   |   |
| Power to PIR   | 12-volt and 0-volt connections  |                   |   |
| Alarm (Hold-off)   | Switching 0-volts through the PIR relay (Normally-closed opening when confirmed)  |                   |   |
| Tamper   | Switching 0-volts through the PIR tamper  |                   |   |