

Overview	The RAPID ELM has been designed as an 'Entry-level' security smoke system. RAPID is designed to form an integral part of a conventional intruder alarm system and can also be configured for use as a 'Stand-alone' system.
Characteristics:	<ul style="list-style-type: none"> <li>• Simple Compact, robust casing designed for ceiling and wall fitting</li> <li>• LED and audible warnings for Tamper, Ready State and Low Fluid</li> <li>• Simple and fast installation – compatible with all alarm panels</li> <li>• CE certified, EMC and BS7939 compliant</li> </ul>

### Technical Specification

Construction	Steel chassis and cover with tough powder coated finish. Dimensions: 33 (H) x 12 (D) x 34 (W) cm Weight: 12 kg.		
Operating Voltage	230-volts 50Hz (110-volts 50/60Hz optional)	Heater Rating	1,000 Watts
Heater Block	High-density Aluminium	Duty Cycle	7%
On-board 12-volt	200 mA	Smoke Output	Variable from 15 seconds to 7 minutes (15-second intervals)
Fluid Type	Pharmaceutical Polyglycols	Fluid Storage	Sealed, clear bladder
Fluid Capacity	400g Usable	Fluid Supply	High-pressure piston pump
Smoke Output	1.88g/sec for 15 seconds 0.93g/sec thereafter	Protective Devices	<ul style="list-style-type: none"> <li>• Tamper Circuit</li> <li>• Thermal Cut-out</li> <li>• EE PROM IC</li> <li>• Fused Supply</li> <li>• Run-dry Protection</li> </ul>

### Alarm Connections

Alarm Connections	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

### PIR (Hold-off Sensor) Connections

Power to PIR	12-volt and 0-volt connections
Trigger (Hold-off)	Switching 0-volts through the PIR relay (Normally-closed opening when confirmed)
Tamper	Switching 0-volts through the PIR tamper

