The VIEW™ is an analogue, addressable, low profile high sensitivity smoke sensor designed for use with NOTIFIER intelligent fire alarm control panels.

The unique design of this sensor uses an extremely bright, tightly focused laser diode, with special lens and mirror optics, combined with enhanced AWACS™ algorithms in the NOTIFIER fire control panel, to achieve a signal-to-noise ratio allowing smoke detection sensitivity up to 50 times greater than traditional photoelectric technology.

In addition, the light beam and algorithms, allow the system to differentiate between dust and smoke particles. Using these algorithms, the VIEW™ system provides drift compensation, three levels of maintenance alert, selection of nine alarm levels and nine pre-alarm levels. The system includes a self-learn sensitivity adjustment to set the pre-alarm level just above the peak levels sensed over extended periods for each sensor’s actual environment. Multiple sensor algorithms permit the control equipment to consider readings from up to six sensors in an area to provide faster detection of incipient fires. The AWACS™ algorithm also includes the ability to add reference sensors, such that smoke particles in the incoming air supply to an area can be compensated for, further reducing the possibility of unwanted alarm.

Using a point type analogue addressable sensor, the VIEW™ system inherently does not have transit times from sensing points to a detector, (a factor inherent in aspiration systems) delaying the sensing of a fire condition and since it does not rely on a single sensor for the room, no dilution can occur. A point sensor also enables the control panel to provide the operator with a pinpoint description of where the fire is located rather than a room alarm.

Features

- Alternative to Aspiration Systems
- Advanced laser light source and patented optical design
- Sleek low profile design
- Analogue addressable communications
- Stable communication technique with high noise immunity
- Pre-Alarm sensitivity to 0.07%/m & alarm sensitivity to 0.1%/m
- Low standby current
- Rotary decade 01 to 99 address switches
- Dual LED design provides 360° viewing angle.
- Visible two-colour LEDs blink green when the sensor is addressed (optional), steady red for alarm
- Built-in functional test switch activated by external magnet
- Optional relay, isolator, or sounder bases
VIEW™ High Sensitivity Smoke Detector - FSL-751E

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### Specifications

**VIEW FSL-751E**

**Mechanical Specification**

- Height: 43mm installed in B501AP base
- Diameter: 104mm installed in B501AP base
- Weight: 102g (inc base)
- Max Wire Gauge for Terminals: 2.5mm²
- Colour: Ivory

**Electrical Specification**

- Operating Voltage Range: 15 to 32Vdc
- Max. Standby Current: 230μA @ 24Vdc (no communications) / 256μA @ 24Vdc (LED blink enabled, once every 5 seconds)
- Max. Alarm Current: 6.5 mA @ 24VDC (with LED enabled)
- Loop resistance using the B501AP: 40ohm max.

**Environmental Specifications**

- Temperature Range: -10°C to +60°C
- Humidity: 10 to 93% relative humidity (non-condensing)

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1 Do not install detectors in locations where normal ambient temperature exceeds 50°C
## Product Range at a Glance

<table>
<thead>
<tr>
<th>Isolator</th>
<th>Colour</th>
<th>Part Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>VIEW™ high sensitivity analogue addressable laser smoke sensor with twin LED’s, insect resistant screen, removable cover for field cleaning, direct decade 01-99 address entry, LED output and device blink option.</td>
<td>✗</td>
<td>Ivory</td>
</tr>
<tr>
<td>Analogue sensor base with SEMS screw connections for isolated and non-isolated detectors and address identification label</td>
<td>n/a</td>
<td>Ivory</td>
</tr>
<tr>
<td>Deep analogue sensor base with built in FET isolator</td>
<td>✓</td>
<td>Ivory</td>
</tr>
<tr>
<td>Deep analogue sensor base with built in relay</td>
<td>✗</td>
<td>Ivory</td>
</tr>
<tr>
<td>Wet Base shroud for use with standard bases to allow condensation run off and rear seal. Conduit entry only.</td>
<td>n/a</td>
<td>Ivory</td>
</tr>
<tr>
<td>Recess mounting kit suitable for flush mounting bases into a false ceiling.</td>
<td>n/a</td>
<td>Ivory</td>
</tr>
<tr>
<td>Surface mount kit for detectors.</td>
<td>n/a</td>
<td>Ivory</td>
</tr>
</tbody>
</table>