DESCRIPTION

The XP95 series Ionization smoke sensor head, model 55000-550, is molded from white polycarbonate material with wind resistant smoke inlets and an insect resistant screen.

Stainless steel wiper contacts connect the sensor to the terminals, which are polarity insensitive, in the mounting base. Inside the sensor case is a circuit board with the sensing system on one side and the address capture, signal processing, and communication electronics on the other side.

The Ionization sensor is a dual chamber, single radioactive source system that provides analog readings, which are converted to a digital signal and transmitted to the FACP for interpretation. The alarm threshold is programmed into the FACP.

Each detector can be addressed from 1 to 127, using a binary setting principal. A programming card is inserted into the base to give the detector head its address. Each programming card has removable binary numbers to make up the address. The removable numbers are 1, 2, 4, 8, 16, 32, and 64. As an example, a detector addressed at number 10 would have the numbers 8 and 2 removed.

FEATURES

- UL Listed
- MEA Listed
- CSFM Approved
- Compatible with the G-Force 4200 & 4102 panels
- Dual chamber, single radioactive source system
- Wind resistant smoke inlets
- Insect resistant screen
- Alarm flag for fast alarm reporting
- Alarm address for fast location of alarm
- Automatic addressing with the XPERT card
- Electronics free 4” or 6” bases
- Slide-easy bases
- Ease of installation
- Elegant design
- Manufactured by Apollo Fire Detectors Ltd.

4” base & XPERT card
## ORDERING INFORMATION

<table>
<thead>
<tr>
<th>Model No.</th>
<th>Description</th>
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<tbody>
<tr>
<td>55000-550</td>
<td>Analog Addressable ionization type smoke detector head</td>
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<tr>
<td>45681-250</td>
<td>6” EZ fit base for XP95 addressable detectors</td>
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<tr>
<td>45681-242</td>
<td>6” relay base for XP95 addressable detectors</td>
</tr>
<tr>
<td>SDR-XP95</td>
<td>6” sounder base for XP95 addressable detectors, steady or temporal</td>
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</tbody>
</table>

## SPECIFICATIONS

**SLC Wiring:** 2 wire supply, polarity insensitive  
**Supply Voltage:** 16-28VDC  
**Current Consumption:** 280µA (.00028 Amp)  
**Wind Speed:** 2000 ft./min. (10m/s) Caution: sensors subjected to continuous velocities above 300 ft./min. may require more frequent maintenance  
**Ceiling Spacing:** 30ft.  
**Sensitivity:** 0.9±0.4%/ft. nominal for 55 counts fixed alarm threshold  
**Terminations:** Stainless steel wiper contacts  
**Style:** Styles 4, 6, and 7  
**Address Setting:** XPERT Card, binary  
**Alarm Indicator:** Red LED  
**Materials:** Sensor housing is white polycarbonate, V-O rated to UL 94  
**Atmosphere Pressure:** Automatic compensation by dual chambers to maintain sensitivity up to a height of 6500 ft.  
**Remote Alarm LED:** 4mA @ 5V  
**Termination: Field Wiring/Base:** Stainless Steel, Nickel Plated  
**End-of-Line resistor:** None  
**Chamber Configuration:** Compensating, dual chamber using one single sided ionizing radiation source  
**Radioactive Isotope:** Americium 241  
**Storage Temperature:** -20˚F to + 175˚F (-29˚C to +80˚C)  
**Operating Temperature:** 0˚F to + 155˚F (-18˚C to +68˚C)  
**Continuous Operating Range:** +32˚F to + 100˚F (0˚C to +38˚C)  
**Humidity:** 0% to 95% RH (No condensation or icing)  
**Dimensions:** 4” x 1.65” (100mm x 40mm)  
**Weight:** 3.75 oz. (106g)  
**Mounting:** 4” or 6” round base

**NOTICE:** The information contained in this document is intended only as a summary and is subject to change without notice. The devices described in this document have specific instruction sheets, which cover various technical limitation and liability information. Copies of these instruction sheets and the General Product Warning and Limitations Document, which also contains important information are provided with the product and are available from Global Fire Control, Inc. Information contained in these documents should be consulted before specifying or using the product. For further information or assistance concerning particular problems contact Global Fire Control, Inc. Global Fire Control, Inc. reserves the right to change specifications without notice.