

## Application

The primary purpose of duct smoke detection is to prevent injury, panic, and property damage by reducing the spread (recirculation) of smoke. The detector samples air currents passing through a duct and gives dependable performance for management of smoke and combination fire smoke dampers. Duct smoke detection can also serve to protect the air conditioning system itself from fire and smoke damage.

The No Flow Smoke Detector is a low profile photoelectric smoke detector with a B114LP base is listed to UL 268A specifically for use in no flow or low flow air handling systems. The detector shall operate at air velocities up to 3,000 fpm (15.2 m/s). It can be locally testing using a magnet on the 2151 sensor head.

## Features

- Field sensitivity metering of detector to meet the requirements of NFPA 72 with the use of SENS-RDR
- Designed for mounting on a standard electrical box
- Removable cover and insect screen for field cleaning
- Low profile smoke detector design
- Low standby current
- Two LEDs blink in standby

## Specifications

<b>Type:</b>	Photoelectric
<b>Air Duct Velocity:</b>	0-3,000 fpm (0 to 15.2 m/s)
<b>Operating Temperature Range:</b>	32° to 120°F ( 0 to 49°C)
<b>Operating Humidity Range:</b>	10% to 93% RH
<b>Operation Voltage:</b>	120V
<b>Dimensions:</b>	6.1 in. (155mm) detector base

## Sleeve Length

### Height less than 11 in. (279mm):

21 in. (533mm) sleeve with 12 in. (305mm) "A" dimension

### Height equal to or greater than 11 in. (279mm):

16 in. (406mm) with 9.5 in. (241mm) "A" dimension

*Note: This smoke detector is non-addressable.*



## Ordering Options

### Factory Mounted

Smoke detector will be wired to a 4 x 4 handi-box. The closure device (if RRL or TOR) will also be wired to the handi-box. Dampers provided with the smoke detector will include single point wiring as standard.

### Shipped Loose

Shipped loose smoke detector will include the detector only (no mounting hardware or bracket seals). Note: Dampers ordered with a shipped loose detector will have the standard sleeve length, not a longer sleeve to accommodate the smoke detector installation. If smoke detectors are intended to be field mounted on the damper sleeve, the damper sleeve length and "A" dimension will need to be manually changed to the requirements indicated under "Sleeve Length".

## Part Numbers

Smoke Detector	Smoke Detector Kit
383227	877568

See [www.systemsensor.com](http://www.systemsensor.com) for more information.

# Wiring Diagrams



