



GAS & SPECIALTY SENSORS

PENDANT SMOKE DETECTOR

2151, B114 SERIES

DESCRIPTION

The **System Sensor 2151 pendant smoke detector** and **B114 bases** provide early detection of smoke and combustion products present in air moving through HVAC plenum return systems in commercial rooftop package unit applications. The detectors are designed to prevent the recirculation of smoke in areas by the air handling system's fans and blowers. The **2151** must be mounted to **B114** base for either 120 VAC or 24 VAC/VDC supply voltages.



2151



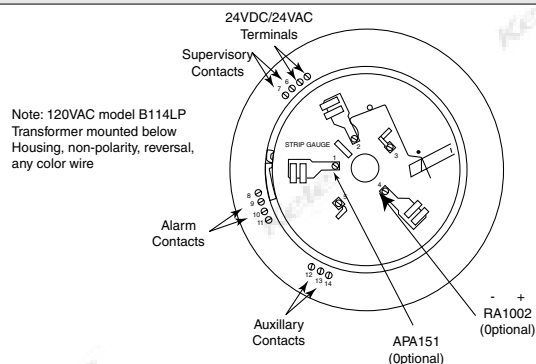
B114LP

FEATURES

- 24 VAC, 24 VDC or 115 VAC (model specific)
- Visual indication of power and alarm status
- One alarm contact, Supervisory contact and Auxillary contact
- Compatible with building automation and fire alarm systems
- Dust filtering included in detector head



WIRING



SPECIFICATIONS

Supply Voltage B114LP	120 VAC, Non-polarity reversal (any color wires)	Operating Humidity	10% to 93% RH non-condensing
B114LPBT	24 VAC @ 0.8 VA; 24 VDC @ 35 mA; non-polarity reversal (any color wires)	Operating Temperature	32° to 120°F (0° to 49°C)
Alarm Relay Output	2.0 A @ 30 VAC/VDC (Form A)	Enclosure Rating	NEMA 1
Supervisory/Alarm	2.0 A @ 30 VAC/VDC;	Dimensions	
Auxillary	1.0 A @ 120 VAC (Form C)	2151	4" Dia. x 1.66"H (10.2 x 4.2 cm)
Air Velocity	0-3000 fpm (0-15.2 mps)	B114LP	6.2" Dia. x 2.2"H (15.5 x 5.6 cm)
Wiring Terminations	Solid or stranded, 12 to 22 AWG terminals	B114LPBT	6.2" Dia. x 0.95"H (15.5 x 2.4 cm)
		Weight	
		2151	0.2 lb (0.09 Kg)
		B114LP	0.8 lb (0.4 Kg)
		B114LPBT	0.6 lb (0.27 Kg)
		Approvals	UL File S911, FM
		Warranty	1 year

ORDERING INFORMATION

MODEL
2151
B114LP
B114LPBT

DESCRIPTION
Pendent photoelectric smoke detector (body only)
Base for 2151, 120 VAC
Base for 2151, 24 VAC/VDC

691-K0A
RA100Z
APA151

RELATED PRODUCTS
Control transformer, 120:24 VAC, 40 VA, Class 2
Remote annunciator, red alarm LED
Remote annunciator with piezo alarm