查询2151供应商

捷多邦,专业PCB打样工厂,24小时加急出货



# 100 Series™ Low-Profile Plug-in Smoke Detectors

System Sensor 100 Series Plug-in Smoke Detectors offer superb performance and reliability in a profile which is just 2<sup>°'</sup> (5.1 cm) deep.

**Model 2151** (photoelectric sensor) and model 2151T (photoelectric sensor with thermal) can be used with a variety of adapter bases in several wiring configurations and voltages. Other features include: low current draw, stable performance in high air velocities, built-in tamper resistant base design, remote LED option, removable cover and built-in test switch.

The 100 Series is designed to meet the performance criteria designated by UL. Its sensing chambers are sealed against back pressure air flow, dirt and insects. This chamber is protected by a fine mesh screen, which can be cleaned or replaced. Additional key features include a variety of mounting bases and a full line of accessories.

All 100 Series photoelectric smoke detectors contain a unique optical sensing chamber designed to sense smoke particles produced by a wide range of combustion sources. A custom integrated circuit incorporates signal processing to reduce false alarms.

Model 2151 photoelectric detector's unique optical sensing chamber is engineered to sense smoke by a wide range of combustion sources. Dual electronic thermistors add 135°F fixed temperature thermal sensing on model 2151T.

#### 我 大 大 大 C PDF

c.com

# Features

- Sleek, low-profile design
- Compatible with 400 Series product
- Two LEDs blink in standby, providing 360° visibility
- Broad range of adapter bases available with built-in shorting spring
- Hand-held sensitivity reader available



### Agency Listings









approved



### **100 Series Plug-in Smoke Detector Specifications**

Operating Voltage/Alarm Current	See Adapter Base Selection Guide following
Standby Current	$120\mu$ A Standby (when mounted in a B110LP base)
Sensitivity	1 – 3.18%/ft.
Height	2.0" in B401
Diameter	4.1" installed in B401; 6.2" installed in B110LP
Shipping Weight	5.2 oz
Construction	Flame retardant thermoplastic
Temperature	Photo: 32°F to 120°F (0° to 49°C); Photo/thermal: 32°F to 100°F (0° to 38°C)
UL Listed Velocity Range	Photo: 0 – 3000 fpm (0 – 15.2 m/s)
Humidity Range	10% – 93% RH non-condensing
Smoke Detector Spacing	On smooth ceilings (as defined in NFPA 72), spacing of 30 feet (900 sq. ft.) may be used as a guide. Other spacing may be used depending on ceiling height, high air movements, and other conditions or response requirements.

Adapter Base Selection Guide						
Base Model Number	Loop Type	Current Limit Resistor	Contact Type	Nominal Voltage	Current Draw on Alarm (mA)	
B110LP/B401B**	2-wire*	No		12/24VDC	10–130 <sup>†</sup>	
B110RLP/B401BR**	2-wire*	Yes		24VDC	10–62	
B112LP/B402B**	4-wire	Yes	Form A&C	24VDC	17–36	
B114LP/B404B**	4-wire	Yes	Form A&C + A Supervisory	120VAC	75 mA AC Max	
B116LP/B406B**	2-wire*	No	Form C	24VDC	20–100 <sup>+</sup>	
B401 <sup>++</sup>	2-wire*	No	—	12/24VDC	10–130 <sup>†</sup>	

\*Functionality contingent on panel compatibility tMust be limited by control panel the flangeless base \*\*The 400 Series 6-inch bases, B401B, B401BR, B402B, B404B, and B406B, have been made compatible with the new 100 Series for retrofit applications only. When using these 400 Series bases, use the F110 flange.

Thew too series for retroit app	Silications only. When using these 400 series bases, use the Firth hange.
Relay Contact Ratings:	Resistive or Inductive (60% power factor) load.
Form A:	2.0A at 30 VAC/DC
Form C:	0.6A at 110VDC, 2.0A at 30VDC
	1.0A at 125VAC, 2.0A at 30VAC

Junction Box Selection Guide*							
Base Model Number	Single Gang	3½ <sup>″</sup> Octagon	4 <sup>"</sup> Octagon	4 <sup>~</sup> Square	50 mm	60 mm	75 mm
B401	No	No	No	No	Yes	Yes	No
B110LP/RLP	Yes	Yes	Yes	Yes	No	No	No
B112LP/B116LP	Yes	Yes	Yes	Yes	Yes	Yes	Yes
B114LP	No	No	Yes	Yes	No	No	No

\*Box depth contingent on base and wire size. Refer to National Electrical Code or local applicable codes for appropriate recommendations.

# **Ordering Information**

2151   Low-profile photoelectric detector. Must be mounted to one of the B100 Series or B400 Series bases listed in the Adapter Base See     2151T   Low-profile photoelectric detector with thermal. Must be mounted to one of the B100 Series or B400 Series bases listed in the Selection Guide.     Accessories   F110   Retrofit replacement flange for B400 Series flanged bases.     RA400Z   Remote annunciator for 2 or 4 wire systems, 3–32V. Fits standard single gang electrical box.     B401BH-2   Sounder base. Requires an external 24 VDC power supply. Mounts to 4" square electrical box (1½" minimum depth, 2½" recomm     SENS-RDR   Hand-held sensitivity reader.     SMK400   Surface mounting kit provides for entry of surface wiring conduit. For use with B401 or B401R mounting bases only.     EOLR-1   End of line relay for power supervision, 12/24 VDC systems.     M02-09-00   Test magnet.	
Selection Guide.     Accessories     F110   Retrofit replacement flange for B400 Series flanged bases.     RA400Z   Remote annunciator for 2 or 4 wire systems, 3–32V. Fits standard single gang electrical box.     B401BH-2   Sounder base. Requires an external 24 VDC power supply. Mounts to 4" square electrical box (1½" minimum depth, 2½s" recommoders.     SENS-RDR   Hand-held sensitivity reader.     SMK400   Surface mounting kit provides for entry of surface wiring conduit. For use with B401 or B401R mounting bases only.     EOLR-1   End of line relay for power supervision, 12/24 VDC systems.     M02-04-01   Test magnet.	Adapter Base
F110Retrofit replacement flange for B400 Series flanged bases.RA400ZRemote annunciator for 2 or 4 wire systems, 3–32V. Fits standard single gang electrical box.B401BH-2Sounder base. Requires an external 24 VDC power supply. Mounts to 4" square electrical box (1½" minimum depth, 2½" recommSENS-RDRHand-held sensitivity reader.SMK400Surface mounting kit provides for entry of surface wiring conduit. For use with B401 or B401R mounting bases only.EOLR-1End of line relay for power supervision, 12/24 VDC systems.M02-04-01Test magnet.	
RA400Z   Remote annunciator for 2 or 4 wire systems, 3–32V. Fits standard single gang electrical box.     B401BH-2   Sounder base. Requires an external 24 VDC power supply. Mounts to 4" square electrical box (1½" minimum depth, 2½" recomm.     SENS-RDR   Hand-held sensitivity reader.     SMK400   Surface mounting kit provides for entry of surface wiring conduit. For use with B401 or B401R mounting bases only.     EOLR-1   End of line relay for power supervision, 12/24 VDC systems.     M02-04-01   Test magnet.	
B401BH-2   Sounder base. Requires an external 24 VDC power supply. Mounts to 4" square electrical box (1½" minimum depth, 2½" recommendation     SENS-RDR   Hand-held sensitivity reader.     SMK400   Surface mounting kit provides for entry of surface wiring conduit. For use with B401 or B401R mounting bases only.     EOLR-1   End of line relay for power supervision, 12/24 VDC systems.     M02-04-01   Test magnet.	
SENS-RDR   Hand-held sensitivity reader.     SMK400   Surface mounting kit provides for entry of surface wiring conduit. For use with B401 or B401R mounting bases only.     EOLR-1   End of line relay for power supervision, 12/24 VDC systems.     M02-04-01   Test magnet.	
SMK400   Surface mounting kit provides for entry of surface wiring conduit. For use with B401 or B401R mounting bases only.     EOLR-1   End of line relay for power supervision, 12/24 VDC systems.     M02-04-01   Test magnet.	ended).
EOLR-1 End of line relay for power supervision, 12/24 VDC systems.   M02-04-01 Test magnet.	
M02-04-01 Test magnet.	
M02-09-00 Test magnet with 32 <sup>°</sup> telescoping handle.	
XR-2B Detector removal tool. Allows installation and/or removal of 100 Series detector heads from base in high ceiling installations when	used with XP-4.
XP-4 Extension pole for XR-2B. Comes in three 5 ft. sections.	
C58-227-01 Replacement dust cover for 100 Series smoke detectors.	
RMK400 Recessed mounting kit (B401 sold separately).	

