

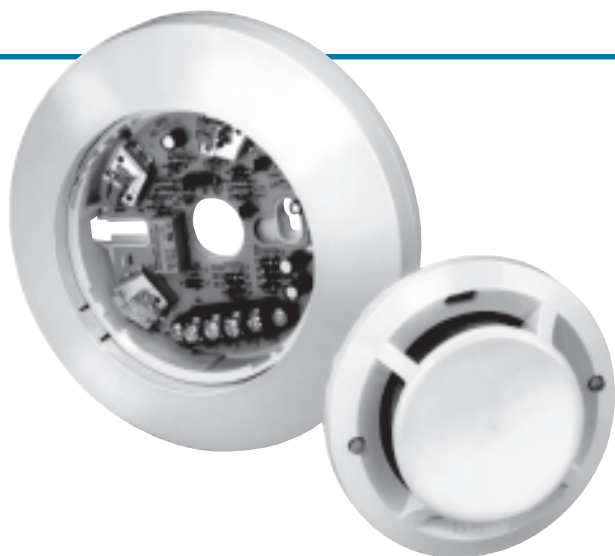
Intelligent Relay and Isolator Bases



A Division of Pittway
3825 Ohio Avenue, St. Charles, IL 60174
1-800-SENSOR2 (736-7672), Fax 630-377-6495
<http://www.systemsensor.com>

Models Available

B224RB Relay Base
B524RB Relay Base
B224BI Isolator Base
B524BI Isolator Base



Features

- Easy plug-in of detector heads to bases
- Terminal block wiring
- Rugged industrial construction
- Designed for direct surface or electrical box mounting
- Relay bases provide:
 - Form C contact for control of auxiliary functions
 - Activation from the sensor head to remote annunciator output
 - Suitability for patient room annunciation, elevator recall, and pilot duty on fan shutdown and damper control

- Isolator bases provide:
 - Isolation of short circuit
 - Automatic restore when short circuit is corrected
 - Suitability for NFPA 72, Style 7 applications

The System Sensor intelligent relay and isolator bases are designed for use with 200 and 500 Series plug-in detectors. The complete line of relay and isolator bases is designed for reduced installation costs and optimum performance.

Specifications

Diameter:	6.2" (157 mm)
Height	
B224RB/BI:	1.2" (31 mm)
B524RB/BI:	1.4" (36 mm)
Weight:	5.76 oz.
Mounting:	4" square box with or without plaster ring, or 3 1/2" or 4" octagonal box, min. depth 1.5" (13 mm)
Wiring Gauge:	12–22 AWG, twisted pair recommended

Operating	
Temperature Range:	32° F to 120° F (0° C to 49° C)
Operating	
Humidity Range:	10% to 93% relative humidity (noncondensing)



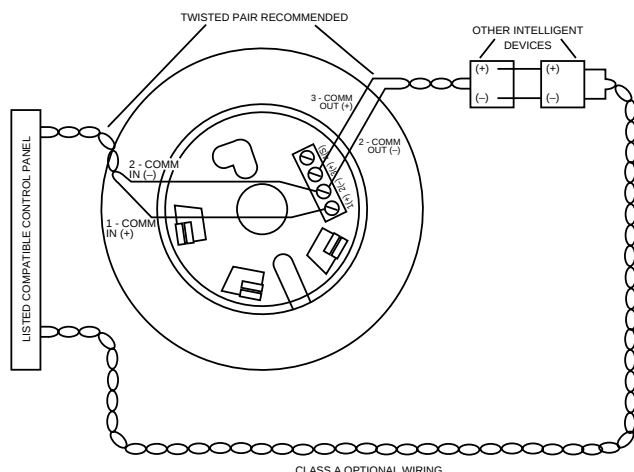
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Electrical Ratings

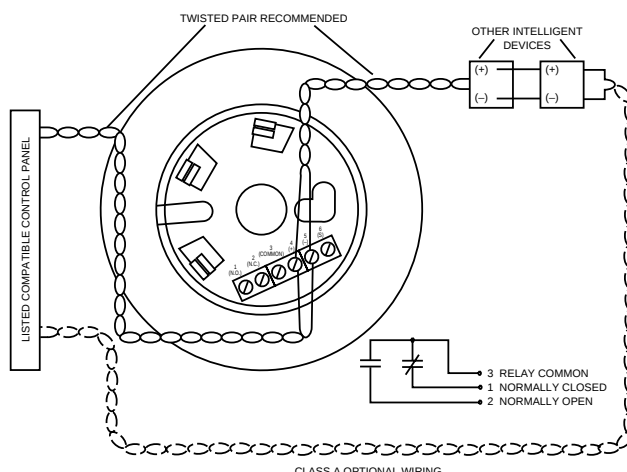
Operating Voltage:	15 to 32 VDC
Standby Ratings:	< 500 μ A maximum @ 24 VDC
Set Time:	4 seconds minimum, 20 seconds maximum
Reset Time:	1 second minimum, 8 seconds maximum

Relay Characteristics (relay base only)	
Coil:	2 coil latching
Contact Type:	1 Form C
Contact Relay	
Resistive:	2 A @ 30 VDC
Inductive:	0.3 A @ 110 VDC (with .35 PF or greater) 0.3 A @ 120 VAC (with .35 PF or greater) 1.0 A @ 30 VDC (with .6 PF or greater)

B200/B500 Series Wiring Guide



Isolator Base



Relay Base

Ordering Information

Smoke Detector

Base		1251	1551	2251	2551	2551T	5551	5551R
Relay	B224RB	●		●				
	B524RB		●		●	●	●	●
Isolator	B224BI	●		●				
	B524BI		●		●	●	●	●

System Sensor Worldwide Manufacturing & Distribution

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