



## B500BI ISOLATOR BASE

*Low profile;  
Low Current consumption;  
Complete isolation of short circuits;  
Automatic restore when short circuit is corrected;  
Sensor continues to operate in case of a short circuit on either side  
of isolator base.*

### General

The System Sensor B500BI isolator base is designed for use with all System Sensor 200 addressable detectors. The B500BI isolator base prevents an entire communications loop from being disabled when a short circuit occurs.

There is an automatic switch in the product that opens when the line voltage drops below 4 volts. It is used to isolate the detector which is connected in the communication line.

In the event of a short circuit condition on the communication line in the detector, the isolator base will open its switch and disconnect the detector from the communication line.

When the short condition is removed and the line voltage rises above 7 volts, the isolator base will detect the removal of the fault condition and automatically reconnect the isolated detector.

### Specifications

Height: 20.3 mm  
 Diameter: 102.0 mm  
 Weight: 44 g  
 Operating Temperature Range: 32°F to 120°F (0°C~ 49°C )  
 Relative Humidity: 10%~ 93% RH, Non-condensing  
 Operating Voltage Range: 15 ~32VDC  
 Standby Current: <150μA  
 Maximum Current Draw: 17mA ( device in isolation )  
 Maximum Load Current: 1A  
 Maximum ON Resistance (24V): 60mΩ  
 Maximum ON Resistance (15V): 70mΩ

### Ordering Information

Product Model	Product description	UOM
B500BI	Isolator Base	EA.

### Agency Listings

