



Product Data Sheet

521B

The 521/541 series self-diagnostic, two/four-wire smoke detectors are the industry's first conventional direct-wire smoke detectors with analog features such as drift compensation and multi-criteria detection.

The 521/541 series continually monitor their own sensitivity and operational status, and provide a visual indication if they drift out of the sensitivity range or fail internal diagnostics. This meets NFPA 72 field sensitivity testing requirements without the need for external meters.

Applying a magnet near the detector's integral reed switch activates additional diagnostic information. This initiates a self-diagnostic routine and provides visual indication of sensitivity level or indicates if service is required.

Time between cleaning detectors is dramatically increased because of the 521/541's built-in drift compensation. This feature, usually only available in analog systems, allows the detector to automatically adjust its sensitivity over time as it becomes dirty, increasing dust life. And when the 521/541 indicates that cleaning is necessary, it's literally a snap with ESL's patented field replaceable optical chamber.

Standard Features

- CleanMe - Remote maintenance reporting reduces false alarms (2-wire only)
- Field replaceable optical chamber makes servicing a snap
- Built-in drift compensation reduces false alarms
- Plug-in terminal block
- Small, low-profile design blends in with any environment
- Compatible with most fire and security panels

521B

Specifications

Operating voltage	6.5 - 33 Vdc
Current draw	0.07 mA standby, 60 mA alarm
Operating Temperature	0 °C to 37 °C
Operating humidity	0 to 95%
Sounder specifications	N/A
Heat detector specifications	
Fixed temperature	N/A
Rate-of-rise	N/A
Alarm contact	N/A
Auxiliary contact	N/A
Dimensions (Ø x H)	120 x 50 mm

Ordering Information

Part No.	Description
521B	6/24 Vdc 2-wire smoke sensor with CleanMe signal

