

Conventional Fire Alarms

Smoke Detectors

500 Series



The Edwards 511C is a conventional photoelectric, direct-wire smoke detector with drift compensation, and features a low profile and self-diagnostics. This two-wire detector meets NFPA 72 field sensitivity requirements without the need for external meters.

The 511C continually monitors its own sensitivity and operational status, and provides a visual indication if it drifts out of the sensitivity range or fails internal diagnostics. Drift compensation allows the detector to automatically adjust its sensitivity over time as it becomes dirty, increasing the time between cleaning, and the life of the detector. The patented field replaceable optical chamber simplifies cleaning.

Normal sensing occurs every 9 seconds. This rate doubles when a signal exceeding the alarm threshold value is sensed. Two additional successive signals above the threshold level will initiate an alarm.

Features and Specifications

- Built-in drift compensation
- Field-replaceable optical chamber
- Small, low-profile design
- White color
- Meets NFPA 72 field sensitivity testing without the need for external meters
- Includes mounting base
- Operating temperature range: 32°F to 100°F (0°C to 37.8°C)

Ordering Information

Description	Cat. No.	Operating Voltage	Current (Standby)	Current (Alarm)	Photoelectric Sensitivity	Reset Time	Drift Compensation Adj.	Field Wire Size
Two-wire Conventional Smoke Detector	511C	12/24V DC	0.00007 A	0.06 A	3.1%, +0.5%, -1%	1 sec.	1%/ft. max.	18-12 AWG

Accessories

Description	Cat. No.
Replacement optical Chambers (pkg. of 10)	211-10PKG

Weights and Dimensions

Cat. No.	Approx. Shipping Weight (lb.)	Dimensions	
		Diameter (in.)	Height (in.)
511C	0.5	5.0	2.0
211-10PKG	0.5	—	—

