



Detector shown with CSBU-1 base

Ionization System Smoke Detector

Conventional Initiating Device

SC10U-3*

FEATURES

- > LED alarm indication
- > Sensitivity test feature with use of EC-PST test tool
- > Tamper resistant with site selectable lock
- > White molded high impact fire retardant plastic
- > Advanced dual chamber
- > Surface mount technology

AGENCY APPROVALS

- > UL Listed
- > ULC Listed

Designed to provide an early response to fast burning fires, the SC10U-3 ionization detector provides reliable sensing of both visible and invisible products of combustion, for a range of conventional fire alarm applications. The detectors advanced design and proven response make it effective in risk areas where materials such as oil, spirits, wood or paper may be stored.

Featuring an advanced dual chamber, single source design, the detector automatically compensates for environmental changes such as atmospheric pressure, humidity and ambient temperature.

A high intensity, red LED indicator situated on the detector molding provides clear indication when the unit is in alarm.

For ease of removal, SC10U-3 detectors plug into the CSBU-1 base unit by a simple twist and lock action. In order to prevent unauthorized removal, a site selectable option is provided to lock the detector into its base. Once applied, the unit can only be removed by means of a special tool (Cat. No. EC-PST). See specifications for mounting box options and terminal sizes.

All SC10U-3 detectors are monitored for detector removal. When a detector (or detectors) is removed from its base, a fault condition is detected.

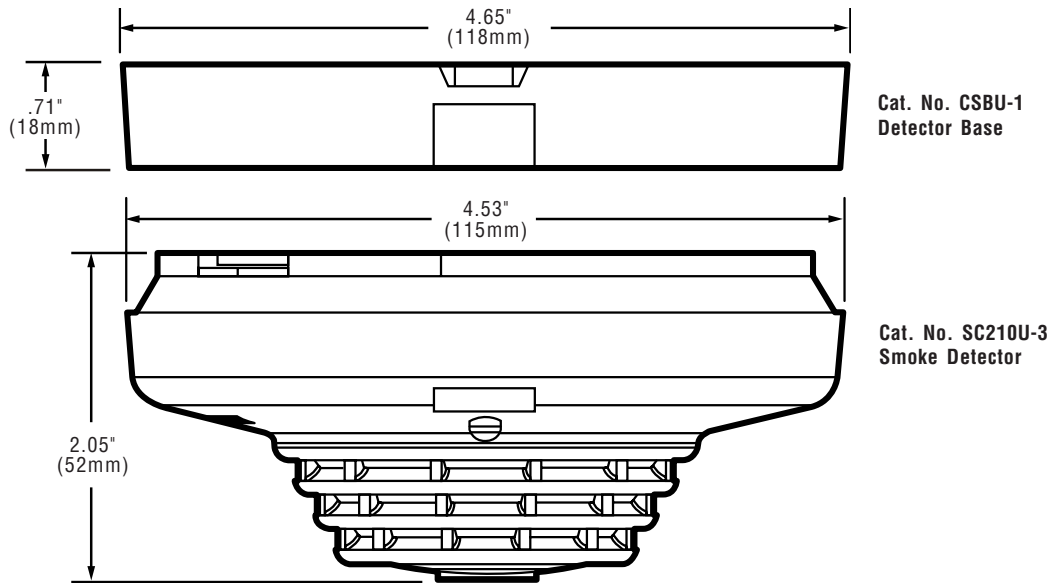
To ensure operational reliability, all detectors have moldings constructed of fire retardant plastic, feature surface mount technology with all components conformally coated to seal against dust and moisture.

*Add "B" for unit with base. e.g. SC10U-3B

D-04



TECHNICAL INFORMATION



PRODUCT SPECIFICATIONS

Voltage	14V - 30V DC
Standby Current	50 μ A
Alarm Current	Max 100 mA
Sensitivity Range	0.65 - 1.05% obs/ft
Operating Temperature	32°F to 100°F (0°C to 37.8°C)
Operating Humidity	20% to 95% relative humidity (non-condensing)
Storage Temperature	-4°F to 140°F (-20°C to +60°C)
Maximum Spacing	30 ft (9.1 m) on center
Color and Construction	White molded high impact fire retardant plastic
Weight	3.7 oz (105g)
Compatible Mounting Boxes	North American 1-gang box, Deep octagonal box 3 1/2" (89mm) x 1 1/2" (38mm), Deep octagonal box 4" (102mm) x 1 1/2" (38mm), BESA box and European 1-gang box (75mm) box w/ 60.3mm fixing centers
Terminal Sizes	12, 14, 16, 18 AWG (up to 2.5 sq mm)

ORDERING INFORMATION

Model	Description
SC10U-3B	Ionization smoke detector with CSBU-1 detector base
SC10U-3	Ionization smoke detector
CSBU-1	Detector base (surface mount)
EC-PST	Test picker tool for sensitivity reading & removal