

## Overview

The GE 350 Series AC/DC single/multiple station photoelectric smoke alarms are commercial-grade and specifically designed for rigorous use in high traffic residential occupancies, including hotels, motels, and educational/military dormitories. The 350 Series 120VAC with back up lithium battery is compatible with the legendary ESL 320 Series wiring connector and up to twelve units may be interconnected for tandem operation.

The GE 350 Series features a test/hush button on the front of the alarm that facilitates testing and silences the alarm in the unlikely case of a nuisance alarm. The series continuously monitors its own sensitivity; and if the alarm falls out of sensitivity, GE's patented field replaceable optical chamber enables quick and easy cleaning and maintenance. Additional diagnostic information is activated by applying a magnet near the detector's integral reed switch. This initiates a self-diagnostic routine and provides visual indication of sensitivity level, or if service is required. The series meets NFPA 72 field sensitivity requirements without the need for external meters.

The 350 Series provides an industry leading lithium backup that offers up to 7-days of continuous protection in the event of a power outage. Other models provide auxiliary relays that can operate based on either the initiating smoke alarm or the tandem wire from any smoke alarm relay.

All models are equipped with early warning photoelectric technology, which detects smoldering fires faster than the more common and inexpensive ionization technology. Since smoldering fire is one of the most prevalent types of residential fires, photoelectric alarms are essential in these applications. Also, the US Consumer Product Safety Commission recommends the 350's photoelectric sensing technology to significantly reduce nuisance alarms as compared to common ionization smoke alarms.

Built-in drift compensation automatically adjusts the sensitivity as the detector gets dirty. 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.

## Standard Features

- Early warning photoelectric smoke sensing technology greatly reduces nuisance alarms
- Backward compatible with existing ESL 320 connectors and wiring
- Tandem or isolated auxiliary relays
- Built-in 85dB temporal sounder
- Up to 12 units can be interconnected
- 20VAC with backup lithium battery
- Low profile design blends in with any environment
- Test and hush feature
- Built-in drift compensation reduces nuisance alarms
- Field replaceable optical chamber for quick and easy maintenance
- Integral fixed/rate-of-rise dual heat detectors

# Commercial Grade AC/DC Photoelectric Smoke Alarm

## 350 Series



## Engineering Specifications

The GE 350 Series photoelectric single/multiple station smoke alarm is low profile and fully backward compatible with existing ESL 320 Series alarms. The 350 Series features a test/hush button on the front of the unit that simulates a smoke condition and allows for easy testing of the overall operation of the unit. The test/hush button also allows the alarm to be silenced according to CSFM and other requirements. The LED response indicates alarm sensitivity. If the detector is out of sensitivity, field maintenance is quick and easy with GE's patented field replaceable optical chamber. If the 350 smoke alarm ever does need maintenance, it is as simple as replacing the chamber and not the entire smoke alarm. See installation instructions for information about correct installation, maintenance, and sensitivity. The 350 is a 120VAC smoke alarm with a 9V lithium back up battery that meets the existing building codes.

## Technical Specifications

Electrical	
Voltage	120VAC/60Hz
Current	130mA max.
Environmental	
Sensitivity	0.83%/ft. min. to 2.46%/ft. max
Drift compensation adjustment	1%/ft. max.
Operating temperature	40°F to 100°F (4.4 to 37.8°C)
Operating humidity range	0-95% non-condensing
Features	
Sounder	85dB at 10' (305cm)
Relay time delay	5 sec., nominal
Contacts	1A@30VDC, 120VAC resistive
Physical	
Diameter	6" (15.2cm)
Height	2" (6.4cm)
Weight	19.6 oz
Battery	9V Ultralife Lithium
Regulations	
Listings	UL217, MEA, CSFM

## Ordering Information

Model	Description
350	Photoelectric Smoke Alarm, 120VAC with 9V lithium back up battery, connector backwards compatible with ESL 320
350CC	Photoelectric Smoke Alarm, 120VAC with with Lithium back up battery; Form A & C relays operate only as part of initiating smoke alarm; connector backwards compatible with ESL 320CC
350CX	Photoelectric Smoke Alarm, 120VAC with lithium back up battery; Form A & C relays operate from the tandem circuit from any smoke alarm; connector backwards compatible with ESL 320CX
Accessories	
SM200-12PKG	Smoke! in a Can® aerosol spray for functional testing of smoke alarms
SM-EXT1	Smoke! in a Can® extension accessory
211-10PKG	Replacement optical chambers (package of 10)
401	Test magnet in a plastic shell for pole mounting