



ESL 320A/350 Smoke Detector

Photoelectric, Low Profile

Overview

ESL 320A/350 Series alarms are single/multiple station photoelectric AC smoke alarms designed for use in residential occupancies, including hotels, motels, and dormitories. The 320A/350 Series is compatible with existing ESL 320 Series wiring and up to twelve units may be interconnected for tandem operation. When any unit in tandem senses smoke, all the units sound an alarm.

The ESL 320A/350 Series features a test/silence button on the front of the alarm that facilitates testing. The series continuously monitors its own sensitivity; and if the alarm falls out of sensitivity, ESL's proprietary field replaceable optical chamber enables quick and easy cleaning and maintenance. The series meets NFPA 72 field sensitivity requirements without the need for external meters.

The 350 Series provides a battery backup that offers up to 46 hours continuous protection in the event of a power outage. Other models provide auxiliary relay options.

All models are photoelectric alarms, which detect smoldering fire faster than the more common ionization alarms. Since smoldering fire is one of the most prevalent types of residential fires, photoelectric alarms are essential in these applications.

Architectural and Engineering Specifications

The ESL 320A/350 Series photoelectric single/multiple station smoke alarm is low profile and backward compatible with existing 320 Series alarms.

The 320A/350 Series features a test/silence 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/silence button also allows the alarm to be silenced according to CSFM requirements. The LED response indicates detector sensitivity. If the detector is out of sensitivity, field maintenance is quick and easy with ESL's proprietary field replaceable optical chamber.

See installation instructions for information about correct installation, maintenance, and sensitivity.



Standard Features

- **Built-in 85dB temporal sounder**
- **Up to 12 units can be interconnected**
- **Low profile design blends in with any environment**
- **Backward compatible with existing ESL 320 wiring**
- **Test and hush feature**
- **Field replaceable optical chamber for quick and easy maintenance**

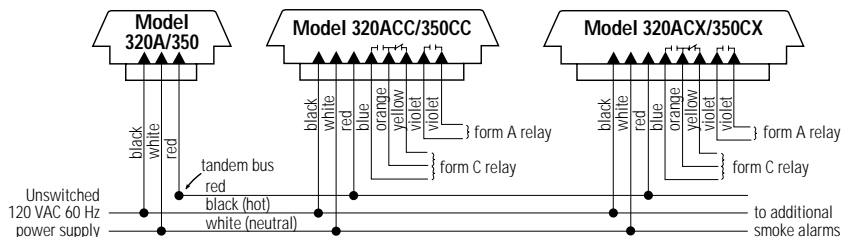
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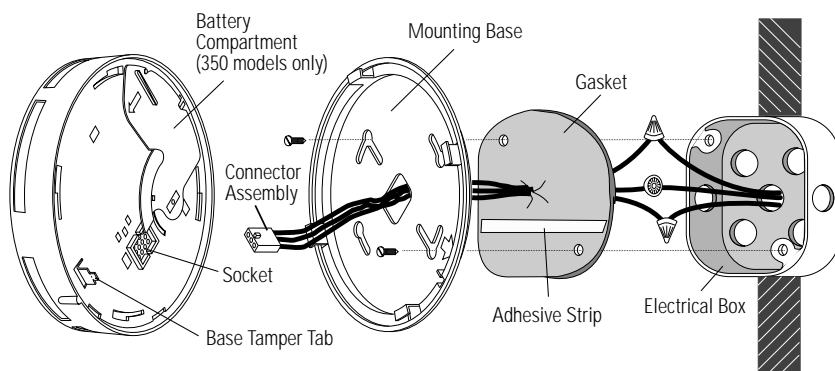
Specifications

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

Wiring for tandem connections (maximum of 12)



MEA Approved



Ordering Information

Model	Description
320A/350*	120VAC, photoelectric alarm with pigtail connector
320ACC/350CC*	120VAC, photoelectric alarm with pigtail connector, Form A and Form C relays that do not operate from the tandem circuit; they must detect smoke
320ACX/350CX*	120VAC, photoelectric alarm with pigtail connector, Form A and Form C relays that operate from the tandem circuit and when smoke is detected
	* All 350 models include a battery backup
Accessories	
SM-200	Smoke in a Can® canned smoke for functional testing of smoke alarms
SM-EXT1	Smoke in a Can® extension accessory
211	Replacement optical chambers (set of 10)



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