

CALIFORNIA DEPARTMENT OF FORESTRY & FIRE PROTECTION
OFFICE OF THE STATE FIRE MARSHAL
FIRE ENGINEERING - BUILDING MATERIALS LISTING PROGRAM



LISTING SERVICE

LISTING No. 7257-0569:118 Page 1 of 1

CATEGORY: Photoelectric Smoke Detector (Single/Multiple)

LISTEE: Gentex Corporation, 10985 Chicago Dr., Zeeland, MI 49464
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DESIGN: Models 7109CS, *7109CSX, 7109LS, 7139CS, *7139CSX and 7139LS single/multiple station smoke detectors. Unit is a photoelectric type, 120 VAC with non-rechargeable 9 V battery backup. Model 7109CS, *7109CSX, 7139CS and *7139CSX employ a strobe light. Refer to listee's data sheet for additional detailed product description and operational considerations.

INSTALLATION: In accordance with listee's printed installation instructions, applicable codes & ordinances and in a manner acceptable to the authority having jurisdiction.

MARKING: Listee's name, model number, electrical rating and UL label.

APPROVAL: Listed as AC powered single/multiple station photoelectric smoke detectors with battery backup.

Models 7139CS and 7139LS can generate a distinctive temporal code pattern fire alarm signal (for evacuation) in accordance with NFPA 72, 2002 Edition. Refer to listee's Installation Instructions Manual for details.

Models 7109CS, *7139CSX and 7109LS are non-temporal and are intended for use in occupancies that do not require total evacuation but perhaps relocation or notification.

NOTE: The photoelectric type detectors are generally more effective at detecting slow, smoldering fires which smolder for hours before bursting into flame. Sources of these fires may include cigarettes burning in couches or bedding. The ionization type detectors are generally more effective at detecting fast, flaming fires which consume combustible materials rapidly and spread quickly. Sources of these fires may include paper burning in a waste container or a grease fire in the kitchen.

*Rev. 08-20-08 bh



This listing is based upon technical data submitted by the applicant. CSFM Fire Engineering staff has reviewed the test results and/or other data but does not make an independent verification of any claims. This listing is not an endorsement or recommendation of the item listed. This listing should not be used to verify correct operational requirements or installation criteria. Refer to listee's data sheet, installation instructions and/or other suitable information sources.

Date Issued: **JUNE 18, 2009**

Listing Expires June 30, 2010

Authorized By: **FRANCIS MATEO**, Program Coordinator
Fire Engineering Division