

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



# LISTING SERVICE

**LISTING No.** 7271-1713:0104

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**CATEGORY:** 7271 -- SMOKE DETECTOR-SYSTEM TYPE-IONIZATION

**LISTEE:** ADVANCED FIRE SYSTEMS, INC. 100 South Street, Hopkinton, MA 01748  
Contact: Leigh Kaiser (508) 453-9995 Fax (508) 453-9996  
Email: lekaiser@advancedco.com

**DESIGN:** Model 58000-550ADV ionization smoke detector. Unit consists of resistors, capacitors, ionization chamber, diodes, and LED. This device can be set into five sensitivity modes. Refer to listee's data sheet for detailed product description and operational considerations.

**RATING:** Electrical: 17 to 28 VDC, 5 to 9V protocol

**INSTALLATION:** In accordance with listee's printed installation instructions, applicable codes and 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 an analog ionization smoke detector for use with separately listed compatible fire alarm control units and listed Models 45681 Series detector bases (CSFM Listing No. 7300-1713:103). Refer to listee's Installation Instruction Manual for details.

**NOTE:** 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. The photoelectric type detectors are generally more effective at detecting slow, smoldering fires, which smolder for hours before bursting into flames. Sources of these fires may include cigarettes burning in couches or bedding.

**XLF:** 7271-1394:0116

07-11-08 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

Date Issued: **July 01, 2015**

Listing Expires **June 30, 2016**

Authorized By: **JAMES PARSESIAN, Program Coordinator**  
*Fire Engineering Division*