

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



# LISTING SERVICE

**LISTING No.** 7272-1713:102 Page 1 of 1

**CATEGORY:** Photoelectric Smoke Detector

**LISTEE:** Advanced Fire Systems, Inc., 100 South Street, Hopkinton, MA 01748  
Contact: Leigh Kaiser (508) 453-9995 Fax (508) 453-9996  
*lekaiser@afsi.us.com*

**DESIGN:** Model 58000-650ADV photoelectric smoke detector. Unit consists of resistors, capacitors, diodes, photo diodes and LED. This device can be set with five sensitivity modes ranging from Mode 1 (most sensitive) to Mode 5 (least sensitive). Refer to listee's data sheet for additional detailed product description and operational considerations.

**RATING:** Electrical: 17 to 28 VDC, 5 to 9 V 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 photoelectric smoke detector for use with listee's 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 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. 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.

**XL:** 7272-1394:118

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 suitable information sources.

Date Issued: **AUGUST 27, 2008**

*Listing Expires June 30, 2009*

Authorized By: **BEN HO, Chief**  
*Fire Engineering Division*