

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



LISTING SERVICE

LISTING No. 7259-1653:0215

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CATEGORY: 7259 -- SMOKE DETECTOR-AIR SAMPLING TYPE

LISTEE: System Sensor, Unincorporated Div of Honeywell Int'l Inc. 3825 Ohio Ave, St. Charles, IL 60174

Contact: Trish Linhart (630) 762-5025 Fax (630) 377-7245

Email: trish.linhart@systemsensor.com

DESIGN: Model 8100 FFAST aspirating smoke detector. The detector is a self-contained unit which houses the detector, aspirator, filters and controls. It requires the use of an external approved 18 to 30 VDC power supply. The Pipe IQ™ (ver. 1.0) Pipe Modelling Software ensures detection is within recommended NFPA response/transport times. Smoke sensitivity range is adjustable from 0.0046%/ft to 0.743%/ft obscuration. Operating temperature of the unit ranges from 0°C (32°F) to 38°C (100°F), sampled air temperature ranges from -4°F (-20°C) to 140°F (60°C) with relative humidity not exceeding 95%. With the maximum single network pipe length not exceeding 262 ft., the maximum area of coverage is 8000 sq. ft.. Refer to listee's data sheet for detailed product description and operational considerations.

RATING: 24 VDC 650mA

INSTALLATION: In accordance with listee's printed installation instructions, applicable codes & ordinances and in a manner acceptable to the authority having jurisdiction. The sampling points should be installed at a location where they will receive the products of combustion produced by a fire anywhere in the protected area. Consideration should be given to such features as normal ventilation and air conditioning which would affect the sensitivity.

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

APPROVAL: Listed as an air sampling smoke detector system for use with separately listed compatible fire alarm control unit. Authority having jurisdiction should be consulted prior to installation. Refer to listee's Installation Instruction Manual for details.

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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