

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



LISTING SERVICE

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LISTING No. 7259-1657:0312

CATEGORY: Smoke Detector-Air Sampling Type

LISTEE: EDWARDS, A Division of UTC Fire & Security Americas Corporation, Inc., 8985 Town Center Parkway, Bradenton, FL 34202
Contact: Jewell Conover (941) 739-4358 Fax (941) 308-8123
Email: rhonda.micochero@carrier.com

DESIGN: Model FHSD8025-xx (LaserSense25) [#] aspirating smoke detector, air sampling, laser. The detectors are intended to detect an abnormal amount of smoke density in the area from which the detector is sampling and transmit this alarm signal to a fire alarm control panel. The fan draws in air from which a small amount of air is passed in to the detector chamber. The number of particles contained within the sampled air is measured using a laser. Installations to be planned using manufacturer's PipeCAD software version 2.9

Compatible accessories:

- Remote display unit 30768, with or without optional Relay Board 30803
- Apollo APIC 30430 for communication with fire panels using the Apollo communication protocol.
- Input/Relay Board 30439 adds additional volt-free signaling relays and remote control detector inputs.

[#]-xx = Language Code

Refer to listee's data sheet for additional detailed system description and operational considerations.

RATING: 21.6 to 26.4 V dc 250 mA

INSTALLATION: In accordance with listee's printed installation instructions, NFPA 72, other 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 an air sampling smoke detector system for use with separately listed compatible control unit. Detector must be used with a UL 1481 Listed power supply. Also suitable for open area protection. The detector is to be connected directly to control and indicating for fire evacuation purposes. Authority having jurisdiction should be consulted prior to installation. Refer to listee's Installation Instruction Manual for details.

XLF: 7259-1682:0100

02-27-13 gt



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: **July 01, 2021**

Listing Expires **June 30, 2022**

Authorized By: **DAVID CASTILLO, M.E., F.P.E.**

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LISTING No. 7259-1657:0313

CATEGORY: Smoke Detector-Air Sampling Type

LISTEE: EDWARDS, A Division of UTC Fire & Security Americas Corporation, Inc., 8985 Town Center Parkway, Bradenton, FL 34202
Contact: Jewell Conover (941) 739-4358 Fax (941) 308-8123
Email: rhonda.micochero@carrier.com

DESIGN: Model FHSD8200-xx (LaserSense HSSD2) [#] aspirating smoke detector, air sampling, laser. The detectors are intended to detect an abnormal amount of smoke density in the area from which the detector is sampling and transmit this alarm signal to a fire alarm control panel. The fan draws in air from which a small amount of air is passed in to the detector chamber. Maximum sampling tube length is 200 meters (656 feet) for all four tubes total. The number of particles contained within the sampled air is measured using a laser. Installations to be planned using manufacturer's PipeCAD software version 2.9

Compatible accessories:

- Remote display unit 30768, with or without optional Relay Board 30803
- Apollo APIC 30430 for communication with fire panels using the Apollo communication protocol.
- Input/Relay Board 30439 adds additional volt-free signaling relays and remote control detector inputs.
- Command Module

[#]-xx = Language Code

Refer to listee's data sheet for additional detailed system description and operational considerations.

RATING: 21.6 to 26.4 V dc 250 mA

INSTALLATION: In accordance with listee's printed installation instructions, NFPA 72, other 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 an air sampling smoke detector system for use with separately listed compatible control unit. Detector must be used with a U.L. 1481 listed power supply. Also suitable for open area protection. The detector is to be connected directly to control and indicating for fire evacuation purposes. Authority having jurisdiction should be consulted prior to installation. Refer to listee's installation Instruction Manual for details.

XLf: 7259-1682:0101

02-28-13 gt



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LISTING No. 7259-1657:0314

CATEGORY: Smoke Detector-Air Sampling Type

LISTEE: EDWARDS, A Division of UTC Fire & Security Americas Corporation, Inc., 8985 Town Center Parkway, Bradenton, FL 34202
Contact: Jewell Conover (941) 739-4358 Fax (941) 308-8123
Email: rhonda.micochero@carrier.com

DESIGN: Model FHSD8100-xx (LaserSense 100) [#] aspirating smoke detector. The detector is intended to detect an abnormal amount of smoke density in the area from which the detector is sampling and transmitting this alarm signal to a fire alarm control panel. The fan draws in air from which a small amount of air is passed in to the detector chamber. Installations to be planned using manufacturer's PipeCAD software version 2.9.

Compatible accessories:

- Remote display unit 30768, with or without optional Relay Board 30803
 - Apollo APIC 30430 for communication with fire panels using the Apollo communication protocol.
- Input/Relay Board 30439 adds additional volt-free signaling relays and remote control detector inputs

[#]-xx = Language Code

Refer to listee's data sheet for additional detailed system description and operational considerations.

RATING: 21.6 to 26.4V dc 400 mA

INSTALLATION: In accordance with listee's printed installation instructions NFPA 72, other 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 an air sampling smoke detector system for use with separately listed compatible control unit. Detector must be used with a U.L. 1481 listed power supply. Also suitable for open area protection. The detector is to be connected directly to control and indicating for fire evacuation purposes. Authority having jurisdiction should be consulted prior to installation. Refer to listee's installation Instruction Manual for details.

XLF: 7259-1682:0102

2-28-13 gt



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