

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



# LISTING SERVICE

**LISTING No.** 7210-1508:0501 Page 1 of 1

**CATEGORY:** 7210 -- FLAME DETECTOR

**LISTEE:** FFE, Ltd.9 HUNTING GATE HITCHIN, HERTFORDSHIRE, England SG4 0TJ United Kingdom  
Contact: PAUL OTTAVIO +44 (0)1462 444 740  
Email: pottavio@ffeuk.com

**DESIGN:** Models:  
16219 (IR3 Exd Flame Detector with Extended Temperature Range)  
16519 (IR3 Exd Flame Detector)  
16549 (IR3 Exd Stainless Steel Flame Detector)  
16589 (IR3 Flame Detector)  
16591 (UV/IR2 Flame Detector)

There are two basic detector types based on the sensors used, a triple infrared (IR) and a combination ultraviolet (UV) and dual IR. Models 16519, 16549 and 16219 are explosion proof. Model 16219 has an extended temperature range.  
Refer to listee's data sheet for detailed product description and operational considerations.

**RATING:** 24 Vdc

**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, rating, and FM label.

**APPROVAL:** Listed as flame detectors for use with separately listed compatible fire alarm control units. Authority having jurisdiction should be consulted prior to installation. Refer to listee's Installation Instruction Manual for details.

12-03-18 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

Date Issued: **December 20, 2018**

Listing Expires **June 30, 2019**

Authorized By: **DAVID CASTILLO**, Program Coordinator  
Fire Engineering Division