



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

**LISTING SERVICE**

<b>LISTING No.:</b>	3240-0328:0545
<b>CATEGORY:</b>	3240 - DUCT SMOKE DETECTOR HOUSING/BASE
<b>LISTEE:</b>	Potter Electric Signal Co 1609 Park 370 Place, Hazelwood, MO, 63042 Contact: Lakomiak, Neil 13148661542 Email: neill@pottersignal.com
<b>DESIGN:</b>	<p>Models PAD300-DUCTR and PAD300-DUCT Analog Addressable Type, Duct Detector. The units are intended to detect an abnormal amount of smoke in the area in which it is installed, and provide a corresponding alarm signal to the connected, compatible fire alarm control panel in the return air ducts of air conditioning and ventilating systems. The units operate to shut down blowers to prevent abnormal smoke distribution and a possible panic hazard. The duct detectors consist of an enclosure, relay (only in Model PAD300-DUCTR), electrical components mounted on a printed wiring board inside an enclosure, detector head (Model PAD300-DD - CSFM Listing No. 3242-0328:0540) with mounting base (Model PAD300-4DB - CSFM Listing No. 7300-0328:0539), sampling and exhaust tubes.</p> <p>Refer to listee's data sheet for additional detailed product description and operational considerations.</p>
<b>RATING:</b>	24 VDC  Standby Current: 30 mA, Alarm Current: 55 mA
<b>INSTALLATION:</b>	In accordance with listee's printed installation instructions, applicable codes and ordinances, and in a manner acceptable to the authority having jurisdiction.
<b>MARKING:</b>	Listee's name, model number, electrical rating, and UL label.



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<b>APPROVAL:</b>	<p>Listed as duct smoke detector units for use with listee's separately listed compatible fire alarm control units. The air velocity in the duct shall be between 300 and 3000 fpm. Refer to listee's Installation Instruction Manual for details. Models complies with the applicable requirements in UL 268A, 4th Edition.</p> <p>Compatible Fire Alarm Control Units:</p> <p>Models IPA-60, IPA-100, and IPA-4000 (CSFM Listing No. 7165-0328:0500)</p> <p>Models AFC-50, AFC-100, AFC-1000, and ARC-100 (CSFM Listing No. 7165-0328:0509)</p>
<b>NOTES:</b>	

4-4-23 VWW



This listing is based upon technical data submitted by the applicant. OSFM 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: 05/03/2024**

**Listing Expires: 06/30/2025**

Authorized By: **David Castillo** , Program Coordinator  
Fire Engineering & Investigations Division