



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

LISTING SERVICE

LISTING No.:	3240-0328:0545
CATEGORY:	3240 - DUCT SMOKE DETECTOR HOUSING/BASE
LISTEE:	Potter Electric Signal Co 1609 Park 370 Place, Hazelwood, MO, 63042 Contact: Decker, Tim (314) 595-6748 Email: timd@pottersignal.com
DESIGN:	<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>
RATING:	24 VDC Standby Current: 30 mA, Alarm Current: 55 mA
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.



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APPROVAL:	<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>
NOTES:	

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: 06/05/2023

Listing Expires: 06/30/2024

Authorized By: **Victor Wong**, Program Coordinator
Fire Engineering & Investigations Division