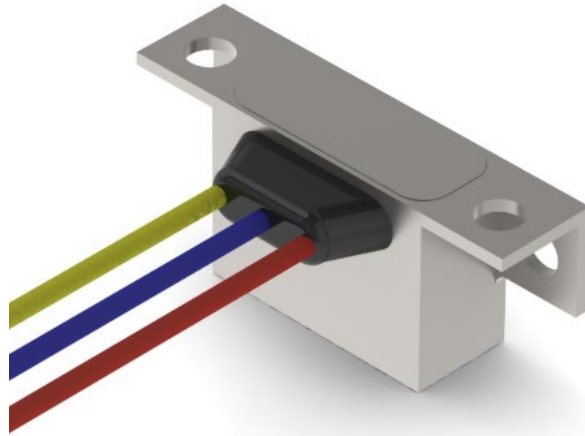




PRODUCT RELEASE

*PMA Aeroparts P/N 1-899-29AP, Proximity Sensor
FAA Approved Replacement for
Crane Eldec 1-899-29*



PMA Aeroparts announces the release of our latest FAA PMA product, Differential Pressure Switch P/N 1-899-29AP. This product is an approved replacement for the Crane-Eldec 1-899-29. This Differential Pressure Switch is used throughout various locations in all versions of the Boeing 737 aircraft.

The PMA Sensors numerous improvements over the OEM and other PMA sensors include improved wiring entry access, a hermetic sensing face and provides increased protection against vibration, shock and temperature extremes. This improved design prevents the most common reason for failure which is intrusion by moisture, humidity and corrosive fluids such as Skydrol and de-icing solutions.

The improvements incorporated in PMA Aeroparts Proximity Sensor are detailed in the table below:



Original OEM Issue	Design improvement
Moisture Intrusion through wiring entry	Addition of internal Teflon wire seals and improved molding of external seal
Moisture Intrusion through sensing face	Elimination of gaps in sensing face using an improved housing design which makes this sensing face a uniform, stainless steel.
Shock and Vibration causing internal failure	Incorporates a shock mitigating internal lock as well as the use of internal insulating adhesives.
External corrosion	Use of an improved external surface treatment.

This PMA was granted on the basis of Test and Computation per 14 CFR 21.303 and is considered a non-critical part.



U.S. Department of Transportation
Federal Aviation Administration

FEDERAL AVIATION ADMINISTRATION - PARTS MANUFACTURER APPROVAL

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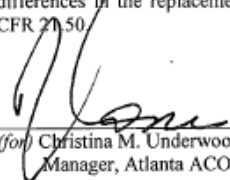
Article Name	Article Number	Approved Replacement for Article Number	Approval Basis and Approved Design Data	Make/TCH Eligibility	Model/Series Eligibility
Sensor, Proximity	1-899-29AP	1-899-29	Test & Computation per 14 CFR 21.303 DWG No: 1-899-29AP Rev: B Date: 1/14/2019 or later FAA-approved revisions	Boeing	737-300 Series 737-400 Series 737-500 Series 737-600 Series 737-700 Series 737-700C Series 737-800 Series 737-900 Series 737-900ER Series

-----END OF DATA-----

GENERAL NOTES:

Provide minor design changes in a manner as determined by the ACO. Process major design changes to drawings and specifications in the same manner as that for an original FAA-PMA.

The FAA accepted the ICA approach for the above articles with their designs. These ICA may refer to those of the respective articles from the holders of type certificates. Otherwise, provide supplemental ICA for differences in the replacement articles. Make referral statements or supplemental ICA readily available per 14 CFR 21.50.



(for) Christina M. Underwood
Manager, Atlanta ACO Branch



John Kolin
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