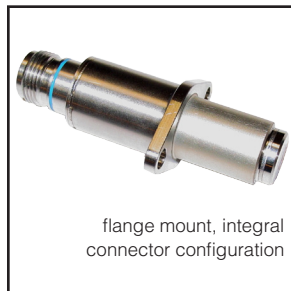


product capabilities overview



flange mount, integral
connector configuration

Proximity sensor with built-in fault detection.

Honeywell's proximity sensor with built-in fault detection is a one-piece device designed for non-contact discreet position sensing in commercial aircraft environments (i.e., environments that demand specific EMI, lightning, and environmental exposure parameters).

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Features and Benefits

(★ = competitive differentiator)

- ★ True “three-state” output indicates target near, far, and fault detected; most competitive products only offer near and far output; fault detected output is also useful during aircraft maintenance—aids in troubleshooting
- ★ Proprietary technology provides very stable operation and health monitoring annunciation if the sensor has developed a problem
- Various package configurations (flange or threaded, integral connector, or wire lead) provide flexibility within the application
- Complies with DO-254 and DO-178 standards (where applicable), and certified to customer specified DO-160 environmental requirements
- Typical reliability exceeds 200,000 hour MTBF (mean time between failures)
- Withstands high shock and vibration
- Resists corrosion and exposure to harsh environments
- Maintains accuracy during rapid temperature and altitude changes
- Custom and standard devices available

Value to Customers

- Customizable
- 3-state output provides additional system status information
- Proprietary technology provides very stable operation and health monitoring annunciation



Potential Applications

Doors, thrust reversers, landing gear, flap position or skew, and other non-contact discreet position sensing applications

Potential Customers

Commercial aerospace (i.e., air transport, regional and business jets, helicopters)
OEM and aircraft system suppliers

Typical Specifications

Input	input voltage	11 Vdc to 18 Vdc
	current draw	< 4 mA (normal operating)
	input protection	tolerant to power lead reversal
Output	type	20 mA current loop standard
	target “near”	5 mA with target 3 mm or less from sensor face
	target “far”	14 mA with target 4 mm or greater from sensor face
	output protection	tolerant to output short-circuit
Temperature	operating	-55 °C to 90 °C
	storage	-65 °C to 125 °C
	fault annunciation	current higher or lower than normal range indicates type of fault

Warranty/Remedy

Honeywell warrants goods of its manufacture as being free of defective materials and faulty workmanship. Honeywell’s standard product warranty applies unless agreed to otherwise by Honeywell in writing; please refer to your order acknowledgement or consult your local sales office for specific warranty details. If warranted goods are returned to Honeywell during the period of coverage, Honeywell will repair or replace, at its option, without charge those items it finds defective. **The foregoing is buyer’s sole remedy and is in lieu of all other warranties, expressed or implied, including those of merchantability and fitness for a particular purpose. In no event shall Honeywell be liable for consequential, special, or indirect damages.**

While we provide application assistance personally, through our literature and the Honeywell web site, it is up to the customer to determine the suitability of the product in the application.

Specifications may change without notice. The information we supply is believed to be accurate and reliable as of this printing. However, we assume no responsibility for its use.

For more information about sensing and control products, visit www.honeywell.com/sensing or call **+1-815-235-6847**
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