

X3301

**Multispectrum IR Flame Detector
Hangar Mode**

This addendum describes the operational benefits offered by the model X3301 multispectrum infrared (IR) flame detector for aircraft hangars.

The X3301 provides relay outputs for fires after an increased verification time to a sustained fire. The detector has been optimized to provide a longer processing time to fires while still maintaining the extended detection range.

Tests performed on the X3301 at very high sensitivity verified an average detection time of 9 seconds to a 2 foot by 2 foot JP-5 fire at 210 feet on axis (see Table 1 for additional information).

Additional testing performed on the X3301 at very high sensitivity verified an average detection time of 9 seconds to a 1 foot by 1 foot JP-5 fire at 150 feet on axis (see Table 1 for additional information).

The average detection time of the X3301 at medium sensitivity to a 2 foot by 2 foot JP-5 fire was verified 9 seconds at 100 feet on axis (see Table 1 for additional information).

Reliable, high performance fire detection without nuisance alarms or premature deluge activation is a requirement of most modern aircraft hangars. The X3301 delivers a new level of detection/protection for hangars.

The Hangar mode can also be used for loading racks and other specialty applications.

Table 1—JP-5 Hangar Mode Test Results

FIELD OF VIEW

Very High Sensitivity

Fuel	Size	Distance feet (m) on axis	Average Response Time (seconds)*					
JP-5	1 x 1 foot	150 (46.0)	9					
JP-5	2 x 2 feet	210 (64.0)	9					

Fuel	Size	Distance feet (m) off axis	Horizontal L, R (°)	Avg. Resp Time (s)*	Vertical Down (°)	Avg. Resp Time (s)*	Vertical Up (°)	Avg. Resp Time (s)*
JP-5	1 x 1 foot	100 (30.5)	+/- 45	9	+45	9	-30	8
JP-5	2 x 2 feet	180 (54.9)	+/- 45	12	+45	16	-30	9

* Pre-burn from ignition

Medium Sensitivity

Fuel	Size	Distance feet (m) on axis	Average Response Time (seconds)*					
JP-5	2 x 2 feet	100 (30.5)	9					

Fuel	Size	Distance feet (m) off axis	Horizontal L, R (°)	Avg. Resp Time (s)*	Vertical Down (°)	Avg. Resp Time (s)*	Vertical Up (°)	Avg. Resp Time (s)*
JP-5	2 x 2 feet	90 (27.4)	+/- 45	14	+45	14	-30	8

* Pre-burn from ignition

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Specifications subject to change without notice.

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