Honeywell

Product Application Note 2021054
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Field Testing of Flame Detectors: SSX, FSX, FS10, FS7
Product Communication: APPLICATION NOTE/BEST PRACTICE/ADVISORY NOTICE

Regions Affected: Global

Dear Customers and Colleagues:

The purpose of this Product Application Note is to reiterate product manual instructions for field testing flame detectors. As stated in the product manuals, regular testing using flame detector test lamps is recommended and there are specific test lamps recommended for each product. The test lamps allow for testing at a distance without the use of flame.

Testing with the test lamp is used to determine:

- Intended field of view coverage;
- Whether there is a clean and clear window not inhibiting detection (the window should also regularly be inspected for clarity and cleaned with warm soapy water); and
- Appropriate time of response for the application.

The table below shows which test lamp should be used to test each family of flame detector.

Flame Detector Family	Description	Test Lamp	Recommended Test Interval	Recommended Test Distance
SS2/SS4	General purpose UVIR flame detector for Hitech/Industrial applications	FT-2145	At least every 3 months	3 m (10 ft)
FS20X	Advanced UVIR flame detector for Hitech/Industrial applications	TL-2055		5 m (15 ft)
FS24X	Advanced IR3 flame detector for Industrial applications	TL-2055		5 m (15 ft)
FS7	Fire and flame detector for semiconductor clean room applications	FT-S7		0.5m (2ft)
FS10	Fire detection for paint coating booths	FT-S7		0.5m (2ft)

As provided in the flame detectors product manuals, regular testing of flame detectors using the test lamp is advised and is often required of the user by site procedures, applicable laws, rules and regulations. Awareness of and compliance with such requirements are the user's responsibility. Always follow product manual instructions, which includes maintenance, inspection, cleaning and testing of flame detectors.

In the event of two or more lamp test failures, please contact your local Honeywell office service team and report the test failures along with details of the Product, Serial No. and Application Details. We are here to assist.

Yours sincerely,

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