

September 20, 2016

## FLIR Announces FLIR RSX-F Thermal Fire Sensor for Rail Coaches

### FLIR RSX-F Combines FLIR Lepton Thermal Sensor and Visual Imaging for Improved Fire Detection and Passenger Safety

WILSONVILLE, OR -- (Marketwired) -- 09/20/16 -- FLIR Systems, Inc. (NASDAQ: FLIR) today announced the [FLIR RSX-F](#) intelligent sensor for advanced fire detection inside rail coaches. The FLIR RSX-F uses the [FLIR Lepton®](#) thermal sensor and high-definition visual imaging for fire and occupancy detection as well as CCTV monitoring.

The FLIR RSX-F uses a thermal sensor with on-board fire detection algorithms to detect a fire faster and more accurately than conventional methods. The FLIR RSX-F detects thermal energy emitted from objects within its field of view and sees through smoke. The dynamic video detection algorithms also determine the size, rate of temperature increase, and movement of a hot spot. This approach allows for lower false alarms by distinguishing hazardous events like cigarettes or lighters.

The FLIR RSX-F also measures seat occupancy in a passenger train, which allows train operators to optimize passenger flow or improve passenger comfort by sensing temperature and adjusting train-based HVAC systems. The FLIR RSX-F mounts easily to walls or ceilings and tilts up to 45 degrees for optimal viewing. The FLIR RSX-F sensor is also fully compliant with the EN 50155 standard covering electronic equipment used for railway applications.

"The FLIR RSX-F sensor provides a significant new asset for train operators to improve safety," said Andy Teich, President and CEO of FLIR. "By leveraging Lepton and advanced fire detection algorithms, the FLIR RSX-F provides train operators with a 'sixth-sense' to detect hot spots early and effectively to increase passenger safety."

FLIR will showcase the RSX-F sensor at the Innotrans 2016 trade show in Berlin, Germany, from September 20 - 23, 2016 (Hall 4.1, booth #108). For more information about the FLIR RSX-F, visit [www.flir.com/rsx-f](http://www.flir.com/rsx-f).

#### **About FLIR Systems**

*FLIR Systems, Inc. is a world leader in the design, manufacture, and marketing of sensor systems that enhance perception and awareness. FLIR's advanced thermal imaging and threat detection systems are used for a wide variety of imaging, thermography, and security applications, including airborne and ground-based surveillance, condition monitoring, research and development, manufacturing process control, search and rescue, drug interdiction, navigation, transportation safety, border and maritime patrol, environmental monitoring, and chemical, biological, radiological, nuclear, and explosives (CBRNE) detection. For more information, go to FLIR's web site at [www.FLIR.com](http://www.FLIR.com).*

#### **Forward-Looking Statements**

*The statements in this release by Andy Teich and the other statements in this release about the products described above are forward-looking statements within the meaning of the Private Securities Litigation Reform Act of 1995. Such statements are based on current expectations, estimates, and projections about FLIR's business based, in part, on assumptions made by management. These statements are not guarantees of future performance and involve risks and uncertainties that are difficult to predict. Therefore, actual outcomes and results may differ materially from what is expressed or forecasted in such forward-looking statements due to numerous factors, including the following: the ability to manufacture and deliver the systems referenced in this release, changes in pricing of FLIR's products, changing demand for FLIR's products, product mix, the impact of competitive products and pricing, constraints on supplies of critical components, excess or shortage of production capacity, the ability of FLIR to manufacture and ship products in a timely manner, FLIR's continuing compliance with U.S. export control laws and regulations, and other risks discussed from time to time in FLIR's Securities and Exchange Commission filings and reports. In addition, such statements could be affected by general industry and market conditions and growth rates, and general domestic and international economic conditions. Such forward-looking statements speak only as of the date on which they are made and FLIR does not undertake any obligation to update any forward-looking statement to reflect events or circumstances after the date of this release, or for changes made to this document by wire services or Internet service providers.*

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