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NEWS RELEASE

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Texas Company Introduces the VIVISUN® LED Lighted Pushbutton Switch

*Meets MIL-PRF-22885F for sunlight readability and environmental requirements,
and JSSG-2010-5 guidelines and MIL-L-85762A for NVIS compatibility*

Fort Worth, Texas – Aerospace Optics Inc., a long-time leader in cockpit illumination and lighted pushbutton switch and indicator technology, has introduced a new line of LED pushbutton switches designed for military and non-military avionics use.

The VIVISUN® LED lighted pushbutton switch features solid state circuitry and innovative electronics that have been developed to solve reliability, sunlight and night vision readability, power consumption and other concerns that have existed with previous generations of LED switches.

The switch offers voltage-controlled dimming without pulse width modulation, operates off of existing cockpit power sources, and can directly replace existing incandescent switches.

The VIVISUN LED is available in nine sunlight readable colors, including white. All are dead-faced in direct sunlight when not energized, and fully sunlight readable when illuminated. The switches meet MIL-PRF-22885F for sunlight readability and environmental requirements. They also meet the JSSG-2010-5 guidelines and MIL-L-85762A requirements for NVIS compatibility.

The VIVISUN LED offers significant lighting and reliability improvements over incandescent pushbutton switches, which require frequent bulb replacements that add up to increased maintenance costs. In contrast, LED lighted switches are designed to operate in environments ranging from -40° C to +71° C, and are built to handle on/off cycling and vibrations typical of high performance aircraft. The VIVISUN LED is drip-

proof, watertight and splash proof, with illumination reliability designed to last the life of the avionics platform.

The VIVISUN LED meets the RTCA/DO-160D electrical and electromagnetic environmental requirements. It requires lower levels of power for illumination than competitive switches and consumes less than half the power of a typical 2.69 watt incandescent switch or indicator. The switch is designed to remain cooler to the touch than traditional lighted pushbutton switches, with a face cap temperature of 48° C in normal operating conditions.

Don Guthrie, Executive Vice President, of Aerospace Optics, is the technical innovator behind the VIVISUN LED switch. "This product answers the problems we've been hearing from the marketplace concerning the reliability and maintenance costs for incandescent switches. Our LED switch answers all the technical issues and allows for easy installation without requiring costly engineering changes," Guthrie says.

Aerospace Optics Inc. is an ISO 9001 Registered company headquartered in Fort Worth, Texas that designs and manufactures pushbutton switches, indicators and annunciators used in the aerospace, avionics and marine industries. For more information, call 888-VIVISUN, or visit www.vivisun.com.

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Note to Editors: Don Guthrie of Aerospace Optics has more than 30 years of experience designing innovative avionics components. He is available to discuss specific technical aspects of the new VIVISUN LED or offer commentary on other technical issues. You can schedule an appointment to speak with Mr. Guthrie by calling Craig Morgan at Aerospace Optics at 817 451-1141, or contact Connie Holubar at Burk Advertising & Marketing at 214 953-0494.