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B Safe Contact

Leonard Gallo

Senior Vice President, Distribution and Logistics

Gallo@bsafeelectrix.com

BSafe® Electrix Introduces the First and Only Wall Outlet that Prevents Electrical Fires in Homes and Businesses

First Major Change in Outlet Technology in More than 45 Years

Manhasset, NY, January, 2009 – BSafe Electrix, a technology-driven manufacturer, has introduced a revolutionary new wall outlet that will save lives and property by sensing abnormal temperatures in electrical wiring devices, de-energizing the circuits involved, and stopping potential catastrophic fires before they can start.

Available right now, the BSafe duplex outlet is the first and only wall outlet based on TFCI™ Thermal Cut-Off Technology. The “TFCI” device, developed and patented by BSafe Electrix, and UL listed, provides a new safety feature; multiple sensors in the device detect abnormal heat at each plug outlet and wiring screw terminal. When such heat is detected, the sensors activate, the load fully disconnects, and an indicator pin protrudes from the face of the device. The user can easily see that abnormally high heat tripped the device, which is no longer functional – a feature that prevents further damage to the existing wiring.

Sobering statistics.

Every year there are 67,800 fires, 485 deaths, and \$868 million in property losses caused by electrical wiring problems.¹ In fact, Americans are more concerned about fire than any other home disaster.² “The news too often has tragic headlines about lives lost because of electrical fires started at outlets,” said BSafe Chairman and CEO Michael Strauss. “BSafe was founded to bring life- and property-saving technology to market in the form of advanced, innovative electrical wiring devices. The BSafe wall outlet is our premier product,” he said.

BSafe outlets protect against the loss of life and property caused by:

- An overloaded receptacle outlet in a branch circuit with improper Overcurrent Protection (OCP).
- A Hot Plug: a High Resistance Connection (HRC) in the attachment plug of an extension cord and / or appliance power supply cord.
- Improperly installed wiring and / or mechanically disturbed wiring connections leading to abnormal heating (high temperature) - glowing connections.

The antidote to glowing connections.

The glowing connection is a dangerous condition recognized by the U.S. National Bureau of Standards nearly 40 years ago as a causative factor of outlet fires. It can occur anywhere electrical connections are made as a result of:

- ▶ Incompatibility between the wiring conductor and device terminal materials as when a copper conductor expands and contracts around a steel binding head screw terminal
- ▶ Insufficient, low tightening torque at the screw terminal at initial installation
- ▶ Mechanical disturbance and/or high incidence of vibration during product use
- ▶ Wide temperature and high-humidity fluctuations (four seasons)

The antidote – a BSafe Electrix outlet is able to shut itself off when it detects abnormal heating (high temperature) prior to the occurrence of a glowing connection, a precursor to a potential fire. No other outlet can sense abnormal heat or a glowing connection - AFCI detects select series arcing signatures and does not detect abnormal heat or a glowing connection, and GFCI only detects leakage current. BSafe's TFCI™ was developed to specifically address this critically important need.

What's the cost of safety? Not much.

In an environment where safety and security have become critical construction elements, this innovative approach to fire reduction will be available for a small incremental cost relative to the total cost of construction. BSafe is also developing relationships in the insurance industry to offer incentives for specifying and installing as well as proposing code revisions to call for the mandatory use of thermal circuit protection in all electrical outlets. "This differential," said Len Gallo, BSafe Senior Vice President, Distribution and Logistics, "is a small investment for a home, business, or institution owner given the geometric increase in safety and peace of mind BSafe outlets deliver." Specific information about pricing to the trade is available from BSafe Electric, 877- 272- 3350.

Based in Manhasset, NY, BSafe Electrix builds applications for its proprietary heat-sensing technology by creating and marketing new, patentable, electrical devices with an improved fire-safety profile. The company's research, product development, and manufacturing efforts address an electrical safety problem that presently exists in the Wiring Devices Market for electrical products used universally in residential, commercial and industrial buildings.

¹Source: 2006 U.S. Fire Administration Update

²Source: 2006 Fire Safety Census conducted by Liberty Mutual and the International Association of Fire Fighters