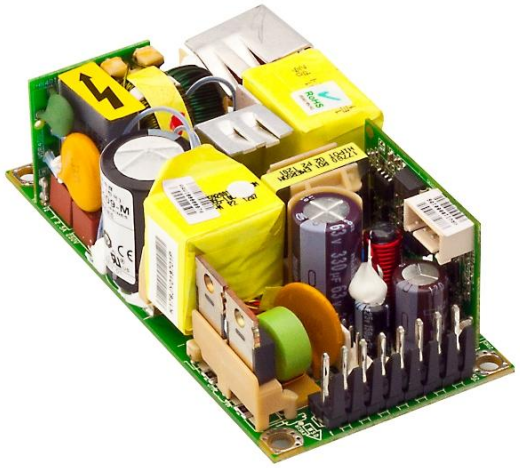

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Emerson Network Power LPS109-M 100-150 Watt AC-DC Power Supply Features Power-over-Ethernet Output Isolation

CARLSBAD, Calif. [March 29, 2012] – Emerson Network Power, a business of Emerson (NYSE: EMR) and the global leader in enabling *Business-Critical Continuity™,* today announced a high efficiency 100-150 watt ac-dc power supply that can be used for Power-over-Ethernet (PoE) applications. The new LPS109-M power supply is ideal for powering PoE-enabled networking devices such as Ethernet switches or applying a dc voltage to CAT5 cable for powering remote devices such as IP security cameras, WLAN access points, VoIP phones and other PoE-compatible products.

The main output of the Emerson Network Power LPS109-M meets the electrical isolation requirements of the IEEE 802.3at-2009 PoE standard. The power supply also carries both information technology equipment (ITE) and non-patient contact and non-patient critical medical safety approvals, making it suitable for a diverse range of low power applications.

Packaged as a very compact open-frame unit, the LPS109-M has a footprint of just 2 x 4 inches (50.8 x 101.6 mm) and a height of only 1.29 inches (33 mm). It has a typical full load efficiency of 88 percent and a power density in excess of 14 watts per cubic inch (0.88 watts per cubic centimeter). These attributes mean that the power supply can easily be accommodated in narrow (1U high) rack-mount and low-profile equipment. There is also an optional metal safety enclosure kit (LPX50) available.

The LPS109-M has a universal 90-264 Vac input, enabling it to be used almost anywhere in the world without adjustment, and is also capable of operating from a 120-300 Vdc input. The power supply produces a main output of 54 Vdc, rated at 1.85 A

continuous with normal connection cooling, which can be up rated to 2.8A with forced air cooling. It also produces an isolated 12 Vdc fan output, rated at 1 A. The main output is regulated to within plus/minus two percent, and can be adjusted over the range 48.6 to 59.4 Vdc. Remote sense is provided to compensate for a drop of up to 0.5 V between the main output connector and the load; the power supply will operate without remote sense connected.

Active power factor correction is employed to minimize input harmonic current distortion and ensure compliance with the international EN61000-3-2 standard. The power supply has a maximum safety-ground leakage current of 275 µA, and the main output has a hold-up time of 10 millisecond minimum when delivering its full 150 watts of output power.

Emerson Network Power LPS109-M power supplies are comprehensively protected against overvoltage, over temperature and short-circuit conditions, and feature a ‘power fail’ signal for remote monitoring purposes which will change state at least 6 milliseconds before the main output loses regulation. The power supplies have a full-load ambient operating temperature range of 0 to +50 degrees Celsius without derating, can operate up to 70 degrees Celsius with derating, and can cold-start from as low as -20 degrees Celsius.

LPS109-M ac-dc power supplies comply with the rigorous EN55022-B and FCC part 15 Level B EMC standards for conducted noise and meet all applicable immunity standards, including EN61000-4-2, -3, -4, -5, -6, -8 and -11. The power supplies carry a wide set of safety approvals, including TUV/UL/cULus/CB/CQC 60950/60601-1 and CE Mark (LVD).

Emerson Network Power’s LPS109-M power supplies have a mean time between failure (MTBF) of 534,000 hours (calculated in accordance with Bellcore standards), running at full load and 25 degrees Celsius ambient, and are backed by a comprehensive two year warranty. The supplies are available for immediate delivery, and standard lead time is stock to eight weeks.

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