

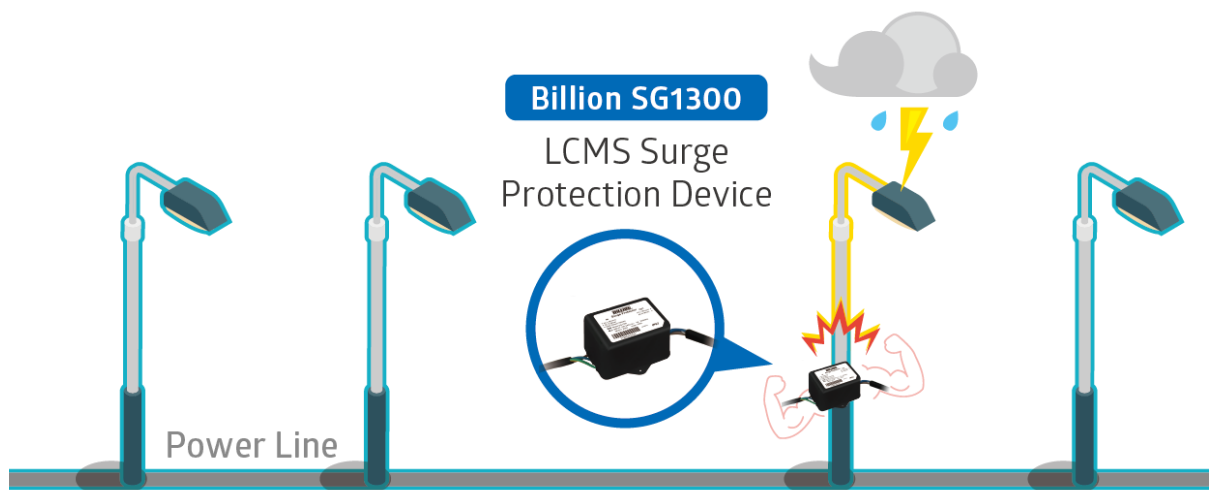
Billion SG1300

LCMS Surge Protection Device



The Billion LCMS Surge Protection Device (LCMS SPD) SG1300 is a high-level SPD. It is installed before each Intelligent Power Line Lighting Control Box (SG7500 · SG7501) or any other LCMS devices. It ensures the system work properly by protect the LCMS network from the strong surge.

SG1300

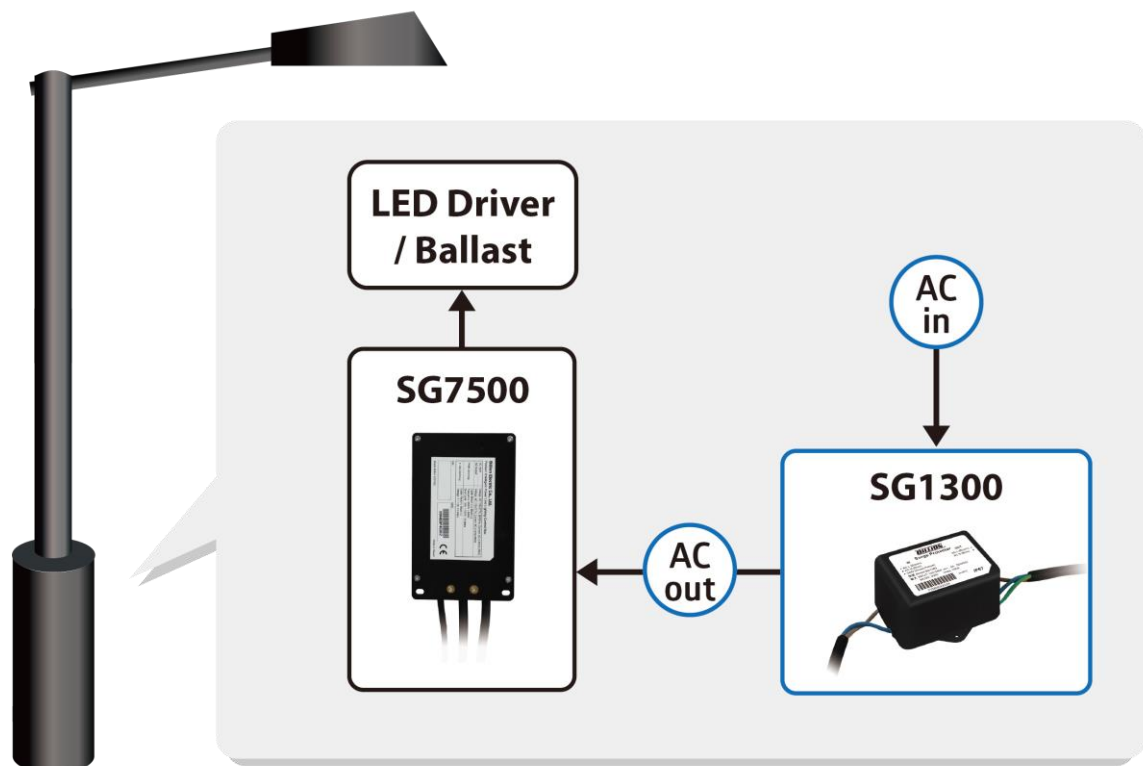


- Max Load Current : 4 Amp
- Nominal Discharge Current : 5KA (10 * 8/20us waveform)
- Max. Discharge Current : 10KA (1 * 8/20us waveform)
- Protection Level (1.2/50us) :
 - Differential Mode (Line to Neutral) : 10KV
 - Common Mode (Line to Earth & Neutral to Earth) : 10KV
- Compact and modest model size
- IP-67 compliant rugged design for high level of protection against dust and water

The diagram indicates the system layout of Billion's LCMS broadband PLC technology. In segment 2, the SG7510 communication gateway receives the lighting data from the Intelligent Control Box (SG7500/SG7501) which is installed on each streetlight. Users can access, monitor, and oversee a broad range of lighting status on a Billion-provided cloud computing platform. LCMS is an excellent technology grid allowing system operators to remotely control numerous streetlights at scattered locations.

Under particular circumstance, SG7530 can be optionally mounted underneath the assigned street light fixtures, bridging the status of individual street-lighting segments to one versatile LCMS Communication Broadband Gateway. System operators can reduce hardware and WAN network operational costs through this Intelligent Lighting Control System integration.

Meanwhile, we also provide a SPD SG1300 designed to against surge, which protects the LCMS network from the strong surge. It also can be installed before each Intelligent Control Box (SG7500/SG7501) in the power line circuit.



Technical Specifications

AC Power input	AC100V ~ 240V, 50/60Hz (Line : Brown , Neutral : Blue, GND : Green/Yellow)
AC Power output	AC100V ~ 240V, 50/60Hz (Line : Brown, Neutral : Blue)
Max Load Current	4Amp
Connection type	Series connection
Nominal Discharge Current	5KA (10 * 8/20us waveform)
Max. Discharge Current	10KA (1 * 8/20us waveform)
Protection Level (1.2/50us)	Differential Mode (Line to Neutral): 10KV Common Mode (Line to Earth & Neutral to Earth): 10KV
Operating Temperature	-40°C ~ 60°C
Humidity	10 % ~ 95 %
Dimensions (L x W x H)	89.5 mm x 49 mm x 33 mm

Note: All the specifications are subject to change without prior notice.

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