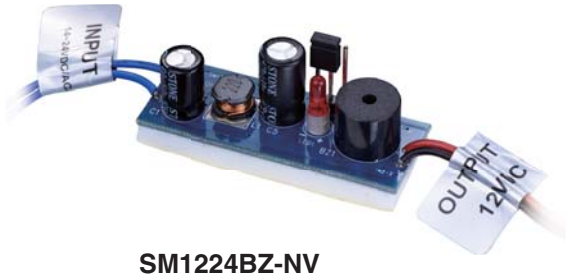
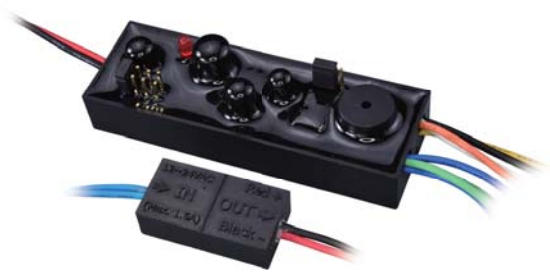
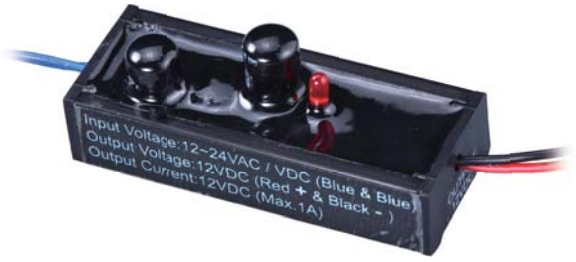
Rectifier Gadgets
SM Series Security Rectifiers
Efficient AC/DC Converter



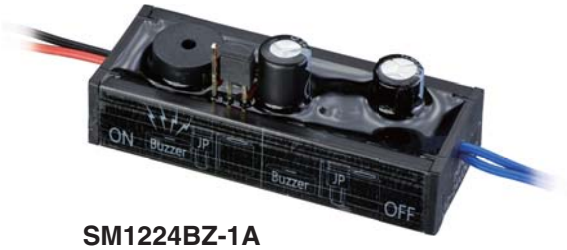
SM1224BZ-NV



SM1224-TBZ



SM1224-1A-N



SM1224BZ-1A

The SM Series in-line security rectifiers can serve as an added security to your access control system. They have a built-in rectifier component and are able to receive input voltages from 12 to 24V AC or DC and provide constant 12 VDC output voltage.

Inline Buzzer Rectifers

The SM series includes buzzer models equipped with surge protection and selectable buzzer function. The buzzer rectifiers provide an audible beep when the lock is energized/de-energized to unlock the door. The SM1224BZ models are ideal for fail-secure applications. The SM1224-TBZ features relock time delay and antitailgate function and can be integrated with access control systems for either fail-secure or fail-safe application.

Models	Input Voltage (VAC/DC)	Output Voltage (VDC)	Output Overload and Short Circuit Protection	Built-in Piezo Buzzer (80db)	Red LED Output Indicator	Anti-tailgate	Selectable Time Delay	Dimensions
SM1224BZ-NV	12 to 24	0.5A/12V	●	●	●	–	–	2" x 9/16" x 13/16" (50 x 15 x 20mm)
SM1224BZ-1A	12 to 24	1A/12V	●	●	●	–	–	15/16" x 2 5/16" (23.5 x 59 mm)
SM1224-TBZ	12 to 24	1A/12V	●	●	●	●	●	15/16" x 2 5/16" (23.5 x 59 mm)
SM1224-1A-N	12 to 24	1A/12V	–	–	●	–	–	2 5/16"x 15/16" x 7/8" (58.5 x 23.5 x 22mm)

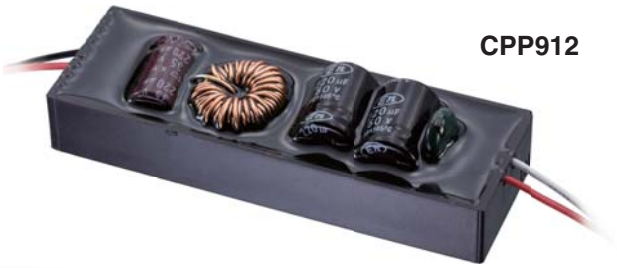
Tel: +886-2-2267-7986 Fax: +886-2-2267-9876
www.gianni.com.tw inquiry1@gianni.com.tw

Rectifier Gadgets

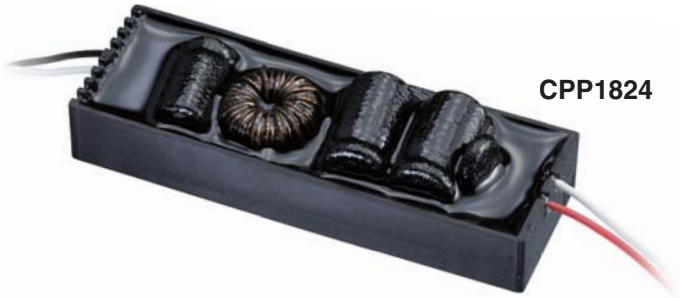
CPP Series Cool Power Packs

Designed to be used with GEM electric strikes and electrified locks

- **Wide Range of Applications**
  Accepts a broad input voltage range and supports continuous duty electric strikes
- **Prolonged Solenoid Life**
  Provides cooler solenoid operation and prevents power surge, overcurrent and short circuit
- **Easy to Install**
  Includes plug-in connectors for ease of installation
- **Cool Down Feature**
  Reduces output voltage to prevent overheating of the electrified lock or electric strike



CPP912



CPP1824

CPP Series Cool Power Packs

Models	Input Range	Output Condition
CPP912	12 to 32 VDC or 12 to 24 VAC	12 VDC (initial), dropping to 9 VDC after a certain period of time
CPP1824	24 to 33 VAC/DC	24 VDC (initial), dropping to 18 VDC after a certain period of time

Operation

The CPP series is an in-line power controller designed to protect an electrified lock from overheating that can damage the lock. It is able to receive a wide range of input voltages and provides reduced output power to the lock, thus extending the lock's life. It is suitable for use with GEM electric strikes especially when the strike is energized for longer periods of time.

Compatible GEM Products

The CPP series is recommended to use with **fail-safe** electric strikes for optimum results.

GK450
Mortise Mount
For Cylindrical/Deadlatch Locksets

GK460
No-Cut Mortise Mount
For Cylindrical Locksets

GK1270
Surface Mount
For Rim Exit Devices

GK800
Mortise Mount
For European Latches

Warranty
The product is warranted against defects in material and workmanship while used in normal service for a period of 1 year from the date of sale to the original customer. The GEM policy is one of continual development and improvement; therefore GEM reserves the right to change specifications without notice.

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www.gianni.com.tw inquiry1@gianni.com.tw