

# Theta **Electronics**

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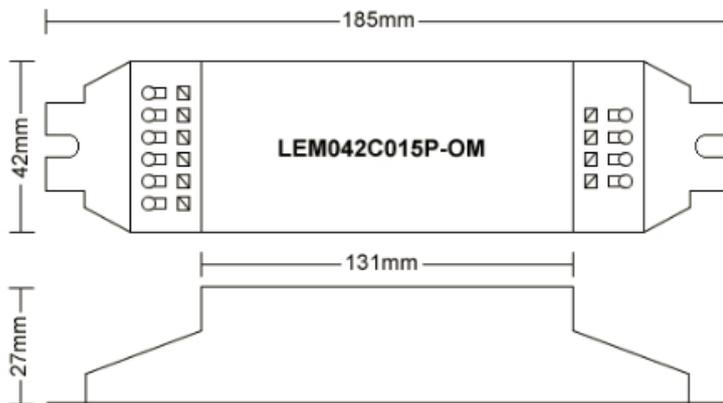
Electronic Component Distributors

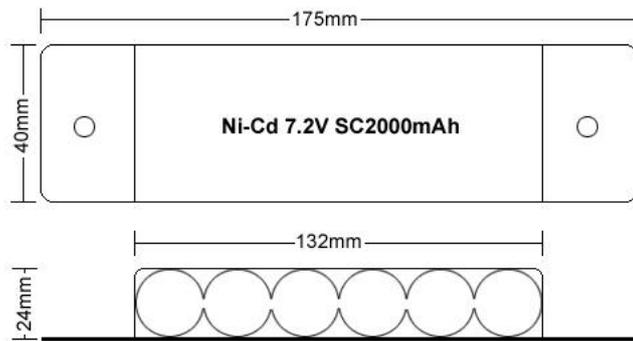
## Product Specification

Emergency Module

INV004 LEM042C015P-OM

# Product Appearance





## Product Description

LEM042C015P-OM emergency module is our most universal LED emergency product, this product has an output voltage of 10-100V which means it can drive any LED module/panel that requires a voltage between 10-100V.

- > Emergency lighting kit for current driven LED's
- > Percentage light output on emergency for 1 or 3 hours
- > Maintained or non-maintained operation

LEM042C015P-OM emergency module provides constant current to any LED module or panel that requires a voltage between 10 – 100V. It has to be used in conjunction with either a 6x2 or 6x4 ni-cad battery to provide the emergency illumination. Please note, the light output on emergency will vary depending on the wattage of lamps used, as well as the capacity of the battery.

Please note: this unit may only be used in situations where the LED panel/module makes use of an external driver.

## Range of Application

1. This product is applicable for any led module/Panel with a voltage 10-100V
2. It has to be used with either a 6x2 or 6x4 ni-cad battery pack
3. Operates in -25°C~70°C environment temperature.

## Product Feature

1. Intelligent automatic recharging and converting function
2. Constant current battery charger
3. 1/2/3 hours emergency operation
4. LED charge status display

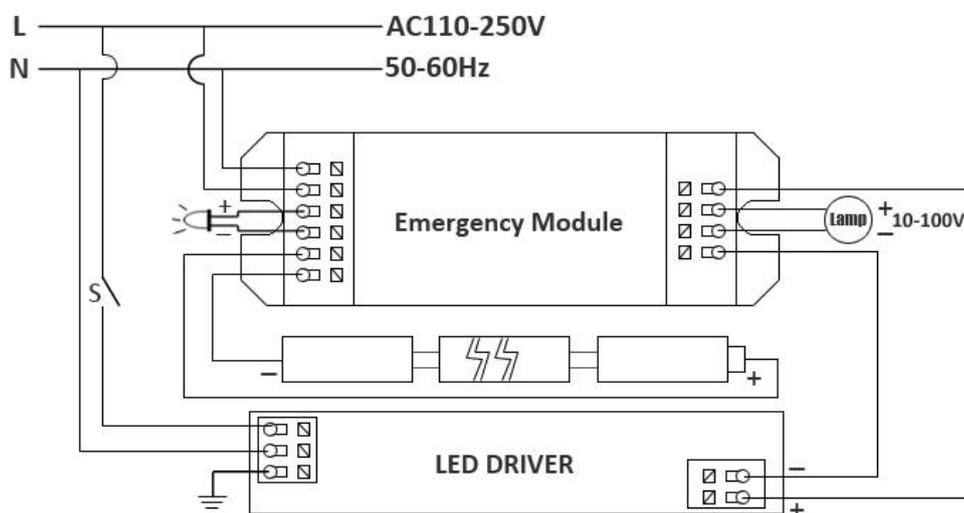
5. Inverter with multiple protection functions: charge protection, discharge protection, short circuit protection
6. Supplier with high brightness green LED
7. Complete with flex and plug
8. Push-wire terminal blocks for easy wiring installation
9. High quality of ni-cad rechargeable battery with 3 years of lifetime
10. Small volume, convenient and flexible installation

## Technical Specification

Specification	
Part No.	LEM042C015P-OM
Mains Voltage	100-253Vac 50/60Hz
Output Voltage	10-100Volts
Output Current	20mA (100V)-200mA (10v)
Charge Current	200mA
Discharge Current	Up to 2A
Duration	1 or 3 hours
Lamps	Any LED between 10-100V with external driver
Battery Pack	6x2 Ahr ni-cad
Dimensions (LxWxH)	185x42x27mm
Maximum ambient temperature	+ 70 °C

## Installation

1. L(Line) and N (Neutral) must be charged all the time, external connection with control switch is prohibited
2. Please strictly comply with the wiring diagram to connect circuit in other conditions



# Attention

1. Please pay attention to the negative and the positive pole of the battery in order to prevent reverse operation, please use designated and matching batteries and ensure all wiring is done correctly and stable before use.
2. If you need to do product testing, unplug the battery pack when the emergency device is disconnected from the mains supply, and then plug in the battery after the emergency device is completely shut down.
3. Comply with the wiring connection circuit diagram completely, prevent from over loading and non-loading in the process of use and testing
4. In order to prolong the battery powered lighting time, all indicator lights are switched off during normal use with the emergency power system in standby mode.
5. The battery is not charged before leaving the factory; please charge the battery longer than 24 hours before use.
6. In general, the battery need to be fully charged and discharged for around 3-5 times in order to operate at full capacity for ni-cad/nimh battery packs.
7. It is detrimental for ni-cad/ni mh battery to lie idle for a long time, especially when it runs dead. Charge the battery completely when it is out of operation for a long time.

# Service and Warranty

1. The warranty time is 6 months
2. Requires professional maintenance after emergency power installation, in case of any abnormal condition happens, please maintenance in time or inform our company to send professionals to provide technical support.