



INTD0883

Battery charger &  
Emergency LED light backup

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Emergency LED light backup

INTD0833

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Please read carefully the instructions in order to  
get all the benefits of this device.

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## Version history

v1.0 8/2017 Initial release



## General Description:

The INTD0833 is an electronic device which can charge a battery when AC mains line is alive and switch to emergency LED lighting when AC line goes off.

Caution : The installation and setting of the device, must be done by qualified personnel.

## Functional Description:

During normal operation, thus the mains 230V AC voltage is present at terminals L and N, the device is constantly charging/conditioning the battery connected to terminal B+ and B-. *Notice that the type of battery connected to these terminals should be an SLA 12V/3.2Ah type.*

During an 230V AC mains failure, thus the mains voltage is not present at terminals L and N, the device switches to battery backup and powers a 12V LED light connected to terminals LD+ and LD-.

## Specifications:

| AC Input  |   |
|---|---|
| Nominal AC input voltage                                    | 230V +/- 10%  |
| Supported AC sources  | Single phase  |
| AC input frequency  | 50Hz  |
| DC Output   |   |
| DC Charging voltage   | 13.6V +/-2%   |
| DC Charging current (peak limited)                          | 0.3A  |
| Protection  | Mains fuse,<br>Charging current limiter (battery short),<br>Temperature current limiter |
| Battery type  | Sealed lead acid,<br>12V/3.2Ah  |
| Max continuous LED light power rating during battery backup | 5A (Contact rating)   |

Figure 1

