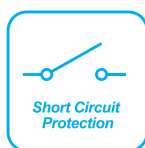


Universal Emergency Driver

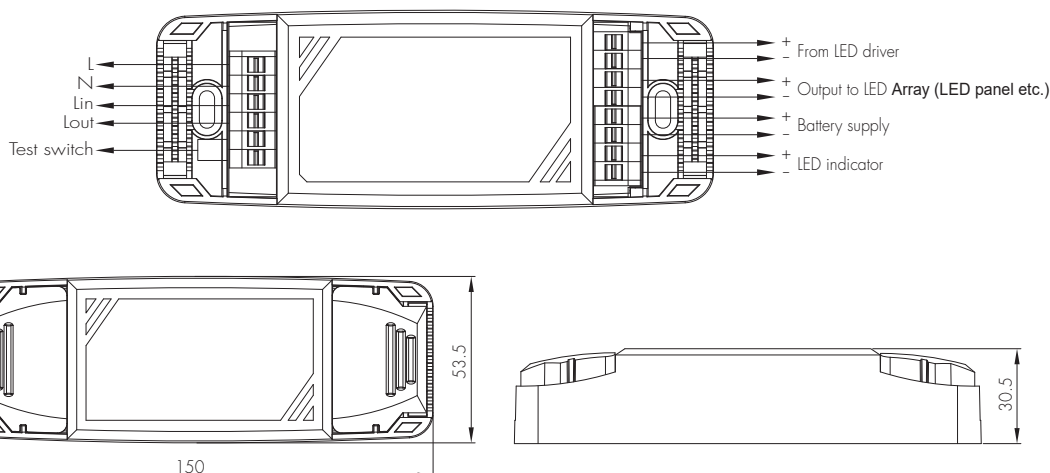
Emergency LED Driver Economy Version

Model: HEM02, HEM07

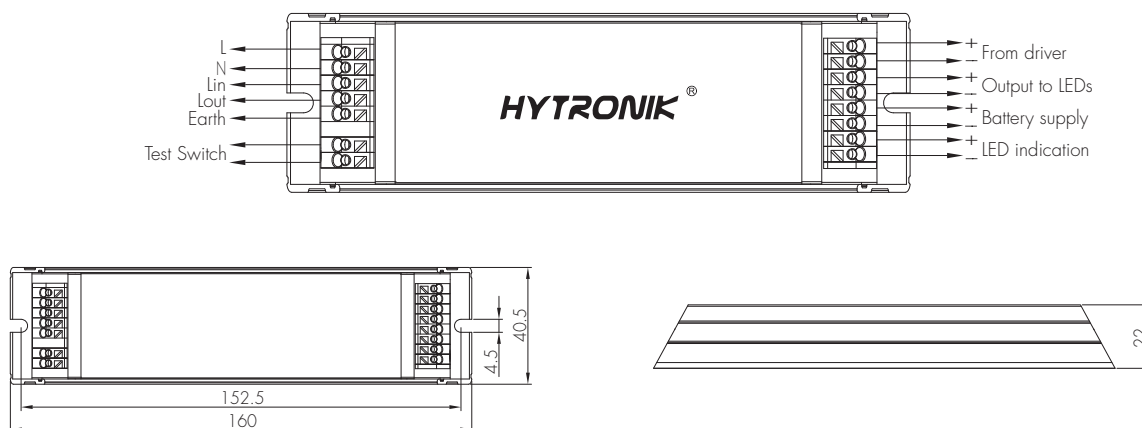


Mechanical Structure

Model: HEM02



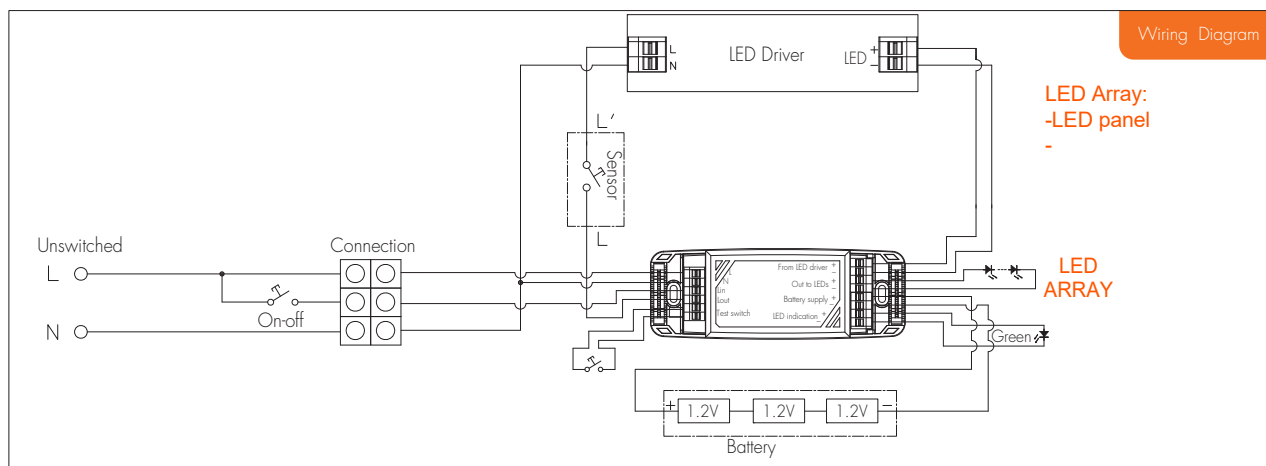
Model: HEM07



This emergency lighting module is designed to convert a wide range of LED types, and is an ideal choice for converting most standard LED luminaires and arrays containing from 3 to 20 (60V) LEDs in series.

This unit is designed to utilize the existing LED driver and panel layout (no need to break into the LED circuit) to be dimmed to 3W in case of emergency.

The driver can automatically adjust the output LED current and provide the optimum match between the battery and the load, which enables maximum illumination whilst ensuring full battery duration. The driver is compatible with a wide range of LEDs such as Philips Fortimo DUM, SLM and LLM ranges, Bridgelux LS/ES/RS ranges, Citizen 4-41W ranges, GE Infusion, Xicato and many others.



Note: Do not short circuit or reverse connect the batteries.

Highlights

- Automatic output current adjustment
- Wide range of LEDs in series (8~60V)
- Good compatibility with various brands of LED in the market
- 5-Year product warranty
- Deep discharge protection
- Constant current charger
- High temperature NiMH/NiCd cells

Ballast Lumen Factor %:

Luminaire Power	5W	7W	10W	12W	15W	20W	25W	30W	35W	40W	45W	50W
	60%	43%	30%	25%	20%	15%	12%	10%	9%	8%	7%	6%

Battery options

Package code	Picture	Spec.	Size(mm)	Duration	Accessories
BPC01		  3 cells, high temperature NiMH battery, 3.6V, 4.0AH	235x22x22	3 hours	battery bracket, green LED indicator, test switch (optional)
BPC02		  3 cells, C type, high temperature NiMH battery, 3.6V, 4.0AH	77x50x28	3 hours	battery bracket, green LED indicator, test switch (optional)
BPC10		  3 cells, D type, D4000, high temperature NiCd battery, 3.6V, 4.0AH	215x37x37.5	3 hours	battery bracket, green LED indicator, test switch (optional)

Battery options

Package code	Picture	Spec.	Size(mm)	Duration	Accessories
BPC11		  3 cells, D type, D4000, high temperature NiCd battery, 3.6V, 4.0AH	100x65x36	3 hours	battery bracket, green LED indicator, test switch (optional)
BPC15		  3 cells, 18720 type, 18720-4000, high temperature NiMH battery, 3.6V, 4.0AH	240x23x22.5	3 hours	battery bracket, green LED indicator, test switch (optional)
BPC16		  3 cells, 18720 type, 18720-4000, high temperature NiMH battery, 3.6V, 4.0AH	58x74x21	3 hours	battery bracket, green LED indicator, test switch (optional)

Note: * Charge new battery 24h before use.

* High temp. battery pack. 75 degree for NiCd, and 55 degree for NiMH.

* In compliance with IEC61951-1 (NiCd type), IEC61951-2 (NiMH type).

Specification



Model No.	HEM02	HEM07
Mains voltage	220~240VAC 50/60Hz	220~240VAC 50/60Hz
Mains current	19mA - 21mA	16mA - 18mA
Mains power	4.5W	4W
Output voltage(U-out Max.)	68VDC	68VDC
Power factor	0.85	0.75
Operation temperature	Ta: 0~+50℃	0~+50℃
Battery charge voltage	3V~4.5V	3V~4.3V
Battery charge current	200mA (Max.)	200mA (Max.)
Battery pack	BPC01, BPC02, BPC10, BPC11, BPC15, BPC16	BPC10, BPC11, BPC15, BPC16
Mains Switch-over voltage range	120VAC~180VAC	155VAC~180VAC
Output LED current	40mA (60VDC)~320mA (8VDC)	40mA (60VDC)~300mA (9VDC)
Charge period	24 hours	
Max. case temp.	75℃	
Battery duration	Min. 3 hours	
Over-heat protection	Over-heat protection with auto-reset.	
EMC standard	EN55015, EN61547	
Safety standard	EN50172, EN61347-2-7, EN61347-2-13, IEC62034, BS5266	
Certification	Semko, CB, CE, EMC	
Dielectric strength	Input→output: 3750VAC	
IP grade	IP20	