

**Product description**

Sub-Zero™ is an emergency lighting battery solution for low temperature applications.

The system comprises a mains powered control unit that operates alongside the normal emergency control gear to provide low temperature support whilst charging. It is for batteries of many traditional formats, so making them suitable for retrofitting or upgrading existing luminaires.

The system is UK designed and built and comprises a compact microprocessor based controller, which constantly monitors the temperature within a specially configured battery pack and maintains the battery's temperature within safe levels. whilst charging. If however the battery's temperature rises above 25°C then no heating is applied and the system is in standby.

**Properties**

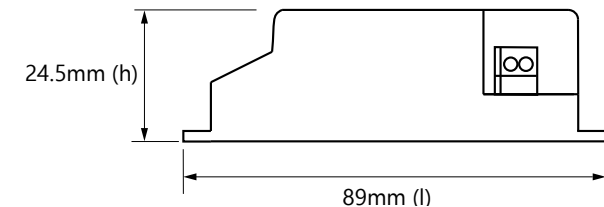
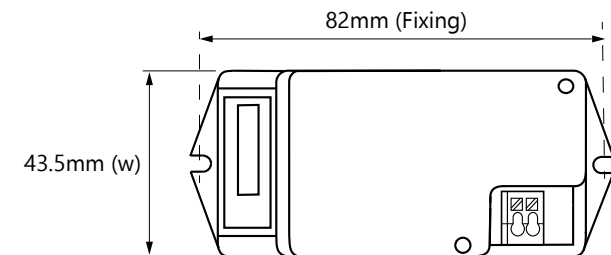
- > Can extend the lower operating temperature of an emergency luminaire down as low as -20°C
- > Maintains safe battery charging temperature in outdoor applications
- > Negligible affect on existing maximum battery temperature
- > Available for various battery formats
- > Built-in data logging of under and over temperature events
- > Extended battery warranty of 4 years\*
- > Compact controller allows retrofit upgrade for existing luminaires
- > Proportional heating control system with maximum 6W capability
- > Minimal standby consumption when the battery is over 25°C
- > 12V SELV isolated heater control
- > Simple plug-in battery heater connection
- > Push-wire mains terminals for solid or stranded conductors up to 1.5mm<sup>2</sup>
- > Complies with: EN55015, EN61000-3-2 & EN61547

\* Battery warranty valid when products are operated and maintained strictly within specification. Contact One-LUX for further details.

Common Technical Data	
Input Supply Voltage	230V +/- 10%
Supply Frequency	50/60 Hz
Minimum/ Standby Power (>25°C)	0.4W
Maximum Power Consumption (At -20°C)	8W
Operating Temperature (Controller)	-20° to 50°C Ambient
Potential Battery Ambient Temperature Range	NiCd -15°C to 50°C NiMH -10°C to 40°C LiFePO4 -15°C to 50°C
IP Rating	IP20
Weight	50g

Model Number	Standard Pack Quantities	Weight
SZ/HC/6W	100	5.5kg

Contact One-LUX to discuss your specific battery requirements



Product specifications may be subject to change without prior notice.

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