



CONVERSIONS



By functioning as both an electronic mains ballast and emergency inverter unit, the CEM range of combined electronic maintained conversion kits for 2D compact fluorescent lamps provides a cost effective solution to the problem of limited space and excessive heat dissipation.

The low profile combined electronic module is designed to function normally as a mains ballast, operating the lamp with the mains supply present with a separate switch live input. Moreover, the CEM automatically detects a mains failure and continues operating the lamp from the high temperature nickel cadmium battery.

Environmentally friendly Nickel Metal Hydride (Ni-Mh) batteries are available upon request.

For use with 28 watt 2D 4 pin lamps, the CEM range enables smaller enclosures to be used for emergency lighting with integral control gear rather than remotely mounting the gear as would normally be required.

In common with all Ventilux emergency lighting products the CEM range is designed and manufactured to all current and known future requirements within an IS9001 scheme of quality assurance and covered by a full 3 year product warranty,

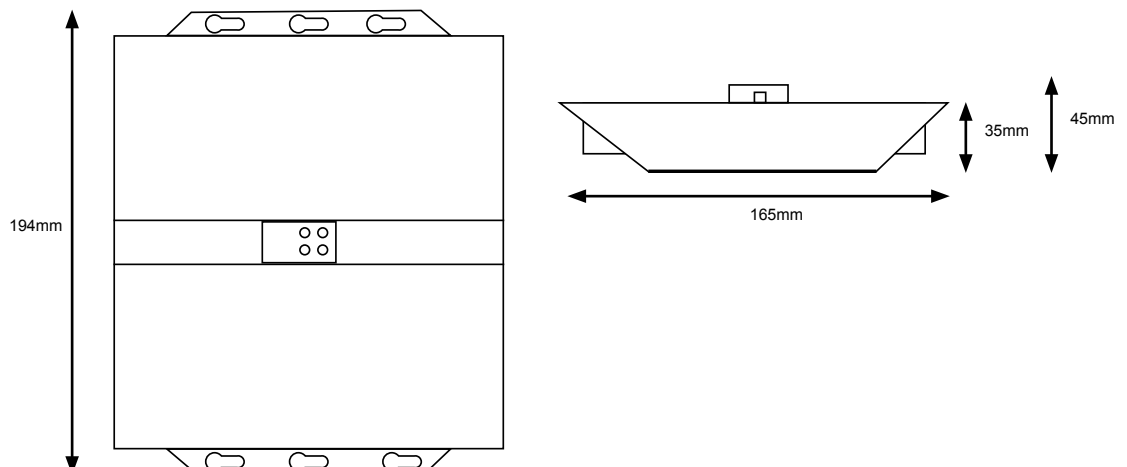
# QP-CEM SERIES

## DESIGN FEATURES

- Maintained electronic conversion kit to provide emergency lighting using 28 watt 4 pin 2D compact fluorescent lamps.
- Integral electronic mains ballast minimises space requirements and excessive heat dissipation.
- Integral ballast complies to the requirements of EN61347-2-7
- Separate permanent live and switched live connections.
- Small compact luminaire housing can be used without the need to mount gear remotely.
- Slimline conversion module suitable for applications with limited space and excessive heat dissipation.
- Small compact housing can be used without the need to mount emergency gear remotely.
- Conversion pack housing made from powder coated galvanised sheet steel.
- Integral electronic mains ballast enclosed in white powdered coated galvanised steel housing.
- Available with high temperature Ni-Cd batteries as standard, high temperature Ni-Mh batteries available upon request.
- Supplied with high intensity GREEN charge LED.
- Easy to install and maintain.
- Maximum dimensions of conversion pack 194 mm L x 165 mm W x 35 mm H.
- Robust construction, emergency module designed to EN61347 and all relevant EU directives.
- Ventilux full 3 year warranty as standard.

Order Code	QPCEM-4-28
Mode of operation	Maintained - switchable
Input voltage	230V +6% -10%
other voltages upon request	50/60Hz
Battery charger	240mA constant current charger.
Changeover	Solid state meeting electrical requirements of BS764
Inverter	Solid state, constant current high power LED driver.
Lamp type	28 watt 2D 4 pin
Emergency Lamp BLF	0.14
Charging monitor	GREEN charge LED.
Recharge period	24 hours full recharge. 14 hours for 1 hour recharge.
Degree of protection	IP20.
Overall dimensions (mm)	194 mm L * 165 mm W * 35 mm H
Battery	Rechargeable high temperature Ni-Cd 4.8V 4.5Ah pack.
other voltages upon request	Ni-Mh available upon request.
Power consumption	22VA maintained applications. 6VA non-maintained applications 16VA mains applications.
Emergency duration	3 hours.
Cross sectional area of mains wire conductor mm <sup>2</sup>	0.5 mm <sup>2</sup> to 1.5 mm <sup>2</sup>
Strip length of mains wire conductor	5.0 mm - 6.0 mm
Weight	1050 grams.
Standards	EN 60598-2-22 EN 61347-2-7 EN 55015
Classification	Class I
Environment	0°C to 30°C upto 85% humidity.
Base colour	White gear tray RAL 9016.
Warranty period	3 years.

Add /Ni-Mh to order code for Ni-Mh battery cell requirement



This publication is provided to outline specification details of Ventilux product and is not deemed to form any part of any offer or contract. We adopt a policy of continuous product and services improvement and we reserve the right to vary details without prior notice.

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## VENTILUX

manufactures and supplies an extensive range of emergency lighting, standby power and fire detection equipment.

The company pays close attention to the quality, specification and construction of its products and is able to offer a comprehensive system design capability to allow the effectiveness of each installation to be maximised.

With Ventilux installations operating worldwide, the company works in close association with distributors and a number of specialist emergency lighting conversion centres throughout its market.



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