SMCB - CONVERSIONS

- **Monitors local unswitched mains supply**
- **New 230V AC/AC low BLF option for static inverters**
- **Unobtrusive emergency lighting**
- **Simple single luminaire conversion**
- **Rapid conversion service available**

Central power systems utilising converted mains luminaires offer economical emergency lighting, with no additional luminaires to purchase and install. Converted luminaires automatically change over to the central supply in the event of normal mains failure, operating one lamp at a reduced output. A new 230V AC/AC module is ideal for installations with narrow distribution luminaires or smaller applications using Menvier's new compact static inverter. Traditional static inverter systems operate all lamps at full power in an emergency luminaire. The new module operates only one lamp and at a significantly reduced output, eliminating excessive, wasted light and dramatically reducing the rating, size and cost of the static inverter system required.

MENVIER

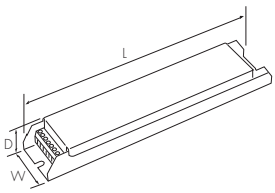
MATERIALS

- Module case - steel
- Remote box - galvanised steel

INSTALLATION NOTES

- Suitable for fitting integral to host luminaire, where electro-magnetic test results permit
- Designed to convert a single luminaire only
- Requires unswitched mains supply
- Remote mounting box available (order separately)
- Modules should be sited within 300mm of luminaire when mounted remotely (maximum allowable is 1000mm)
- See selection table for ballast lumen factors. See page 101 for full design guide

DIMENSIONS



Description	L (mm)	W (mm)	D (mm)	Fixing Centres (mm)
Modules - 24/50/110V	216	40	45	205
Modules - 230V	300	44	37	290
Remote box	285	100	55	-

CATALOGUE NUMBERS

Description	Cat. No.	Weight (kg)
System voltage 24V AC/DC	SMCB24	0.30
System voltage 50V AC/DC	SMCB50	0.30
System voltage 110V AC/DC	SMCB110	0.30
System voltage 230V AC/AC	SMCB230	0.30
Remote enclosure	FMENCA	0.60

CONVERSION SERVICE

To ensure satisfactory operation, a full conversion service is offered by Cooper Lighting and Safety. This gives complete peace of mind that the conversion is carried out and certified to all required standards, providing:

- Total warranty of converted luminaire
- CE marking of converted luminaire. Note: It is a legal requirement to remove the existing and re-apply a new CE mark to the luminaire **after** it has been converted **and** compliance with CE requirements established
- Conversion in a facility that is BS EN ISO9001 approved

SPECIFICATION

To specify state: Central system emergency conversion modules for fluorescent lamps, with low profile case, suitable for use with 24/50/110V AC/DC central battery systems/230V AC/AC static inverter systems, one module per luminaire, as Menvier SMCB range, part no. _____

BALLAST LUMEN FACTOR TABLE

Lamp Type System voltage	24V	50V	110V	230V
K Factor	**0.65**	**0.70**	**0.70**	**0.95**
S Factor	**0.85**	**0.85**	**0.85**	**0.85**
Compact Fluorescent				
16W 2D	0.45	0.65	0.65	0.32
28W 2D	0.28	0.40	0.40	0.28
38W 2D	0.23	0.33	0.33	0.19
9W TC	0.50	0.71	0.71	0.35
11W TC	0.49	0.70	0.70	0.34
13W TC-D	0.44	0.63	0.63	0.31
18W TC-D	0.25	0.37	0.37	0.25
18W TC-L	0.25	0.37	0.37	0.25
24W TC-L	0.28	0.40	0.40	0.28
36W TC-L	0.24	0.35	0.35	0.24
Linear Fluorescent				
18W T8	0.31	0.44	0.44	0.30
36W T8	0.22	0.33	0.33	0.23
58W T8	-	0.24	0.24	0.17
70W T8	-	0.18	0.18	0.13

Notes: When performing photometric designs, the K and S lumen reduction factors should be applied.