

DALI Control and Self-Test Modules for Fluorescent Luminaires

OMpro

The standard fluorescent ECK (Emergency Conversion Kits) comprise an **OM** high quality emergency lighting inverter module and the appropriate battery pack. Where Self-Test or fully interoperable DALI is required the **OMpro** module should be specified.

The **OMpro** range offers a low-profile charger/inverter module with High temperature Nickel Cadmium or Nickel Metal Hydride batteries to suit the application.

As with standard OM or OM/LP modules the **OMpro** inverter modules provide 'total isolation' i.e. 5-pole control (featuring full 4pole change-over of the lamp/gear connections plus a timed fifth pole to make & break the ballast live supply) ensuring successful operation with all ballast types including HF and dimming.

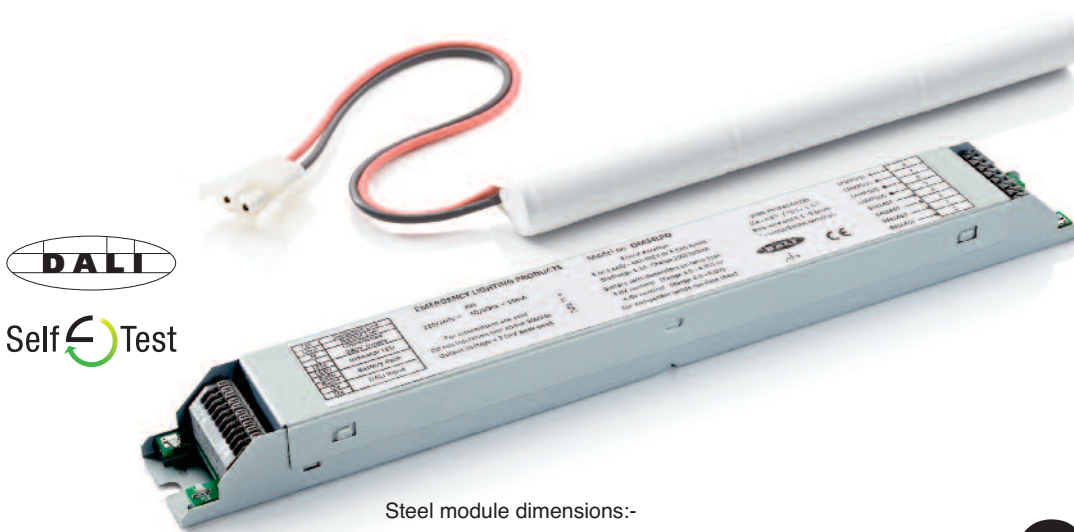
OMpro DALI or SELF-TEST

The **OMpro** module includes fully tested and approved DALI control/reporting. Fully integrated components and the latest software ensure that the **OMpro** equipment can be connected to any approved DALI control system. The integral software is constantly seeking DALI signals. When the mains supply is initially connected the modules operate in Self-Test mode in accordance with EN62034, automatically initiating a commissioning mode and then at random times commencing the weekly and annual test routine. The built-in real time intelligence ensures that faults such as charge failure, battery failure, etc. will be indicated immediately.

Even while in Self-Test mode the **OMpro** module will continually be prepared for a DALI signal which, if received, will result in the Self-Test mode being disabled and the module reverting to the DALI protocol. This means that the **OMpro** module can be connected to a DALI system at anytime and the module can then be addressed and form part of the DALI installation immediately. The **OMpro** (modules) range consists of just two module types; the **OMpro3/4** and the **OMpro5/6**. These modules can adapt to the number of cells in the battery to operate a wide range of lamps i.e. the **OMpro3/4** when connected to a 3cell (3.6Volt) battery will operate 8W T5 lamps up to 18Watt T8 lamps while the same module when connected to a 4cell (4.8Volt) battery will operate lamps from 21Watt T5 to 28Watt 2D.2

ORDERING

When ordering all of the necessary components i.e. module, battery, LED must be ordered separately. (See **Ompro** Order Codes).



Steel module dimensions:-
260mm (L) x 31mm (W) x 21.5mm (H)
Fixing centres: 256mm



DALI Control and Self-Test Modules for Fluorescent Luminaires

LAMP BLF FOR OMpro MODULES

LAMP	OMpro 3/4 3 CELL	LAMP	OMpro 3/4 4 CELL	LAMP	OMpro 5/6 5 CELL	LAMP	OMpro 5/6 6 CELL
8W T5	20	21W T5	14	24W T5	15	40W TCL	11
10W TCT	18	24W TCL	12	28W T5	14	42W TCL	10
13W TCT	15	24W TCF	12	32W TCT	11	49W T5	9
14W T5	15	26W TCD	11	36W TCL	10	54W T5	8
18W TCL	14	26W TCT	11	38W 2D	9	55W 2D	8
18W TCD	13	28W 2D	12	39W T5	8	55W Circ.	8
18W TCT	12					55W TCL	8
18W T8	13					57W TCT	8
						70W T8	8
						70W TCT	TBA
						80W T5	8
						80W TCL	7



OMpro ORDER CODES

OMpro DALI Module only

OMpro 3/4	(suitable for 3 or 4 cell battery)
OMpro 5/6	(suitable for 5 or 6 cell battery)

Battery options:

B003	3-cell 4Ah	'D' NiCd stick
B004	4-cell 4Ah	'D' NiCd stick
B005	5-cell 4Ah	'D' NiCd stick
B006	2 x 3-cell 4Ah	'D' NiCd stick
B009	D-cell plastic end cap	

B057	3-cell 4Ah	'C' NiMH stick
B058	4-cell 4Ah	'C' NiMH stick
B044	2 x 2-cell 4Ah	'C' NiMH stick
B034	2-cell + 3-cell 4Ah	'C' NiMH sticks
B039	2 x 3-cell 4Ah	'C' NiMH sticks
B035	C-cell plastic end cap	

B059	3-cell 3.8Ah	'18670' NiMH stick
B060	2 x 2-cell 3.8Ah	'18670' NiMH sticks
B061	2-cell + 3-cell 3.8Ah	'18670' NiMH sticks
B041	2 x 3-cell 3.8Ah	'18670' NiMH sticks
B040	18mm cell plastic end cap	

LED1000/GRN/RED	High intensity bi-colour LED	
S066	LED clip (6.5mm dia)	
BL003	Battery connector and lead (module end)	



B006 'D'-cell NiCd battery with B009 plastic end caps



B039 'C'-cell NiMH battery with B035 plastic end caps



B041 '18670'-cell NiMH battery with B040 plastic end caps



LED1000 GRN/RED LED with S066 clip

Nickel Metal Hydride (NiMH) batteries are limited to lower operating temperatures than Nickel Cadmium (NiCd) — typically NiMH batteries are limited to an absolute maximum of 50°C; NiCd batteries can withstand continuous temperatures of 55°C. NiMH batteries also have a shelf life. It is essential that NiMH batteries are not stored for more than six months.

Emergency Lighting Products Limited

Parbrook House, Gillmans Industrial Estate, Natts Lane Billingshurst, West Sussex RH14 9EZ

Telephone: +44 (0) 1403 786601 Fax: +44 (0) 1403 786602 e-mail:sales@elp.uk.com www.elp.uk.com

OMPRODS-06-16

