

## LPS Series MyControl MY



NLMY5



Mobil Code



NLMY5



NLMYE30

## Schrack-Info

The MyControl strictly follows the principle of decentralised power supply systems in fire compartments, similar to systems of self-contained luminaires. Therefore, the MyControl blends in perfectly with the other families of LPS systems according to applicable European and national standards.

The MyControl also offers the ease and comfort of a state-of-the-art CPS system, such as identification and monitoring of individual luminaires without additional wiring, switching of individual units, freely programmable circuits, and a patented web interface for visualisation, remote maintenance and control of the power supply system and the connected safety luminaires via internet connection.

The sheet steel housing bespoke engineered for the MyControl can be integrated almost seamlessly into any existing fire compartment and, in compliance with ÖVE E8002-1:2007 / OVE E 8101 and OVE R12-2, allows a reduction of costly E30 cabling systems and their installation for the power supply of rescue and safety luminaires in the respective fire compartment.

Thanks to the freely programmable network address, which is integrated by default, the browser based visualisation feature can be used to integrate multiple systems into an arbitrary network and to monitor the connected rescue and safety luminaires. In the event of errors the system indicates the location concerned in plain text. Like the LPS systems MicroControl and MiniControl the MyControl works in switched mode 230 V AC/ 216 V DC and, with the integrated battery set of:

- 18 x 12 V / 3.6 Ah an output of 350 W/1 h, 145 W/3 h or 65 W/8 h incl. 25% ageing reserve

or

- 18 x 12 V / 5.2 Ah an output of 500 W/1 h, 210 W/3 h or 90 W/8 h incl. 25% ageing reserve can be generated.

## LPS Series MyControl MY

By default, the MyControl is equipped with 4 + 1 circuits, with each circuit branch working independently with separate two-pole fuses. The 4 internal light switch monitoring inputs can be used to switch the 4 + 1 circuits. To these voltage inputs voltages of 24 V - 255 V DC or 220/230 V AC can be applied. Depending on their programming they switch the assigned circuits and/or activate/deactivate luminaires.

The integrated IO module provides 3 floating CO contacts for the output of messages or errors to an external signalling unit and also features a reverse polarity tolerant, freely programmable multi-voltage range input to be able to monitor voltages ranging from 24 V - 255 V DC or 200 - 255 V AC.

Also included by default there is a connection for a 24 V fan including a separate fan control and monitoring function. The equally integrated closed current loop CCIF in combination with a diode manages the monitoring of floating contacts of connected phase sensors (mains monitoring) belonging to the general lighting units for short circuiting and/or broken wiring.

There is a monitored bus interface for the connection of other external control and signal modules, which enables the activation of circuits and of their connected rescue and safety luminaires whenever needed.

Combined with rescue and safety luminaires in LED technology the available input power is used to its maximum with high light output and low power consumption.

Another benefit of the MyControl, of course, is the possibility to connect regular off-the-shelf, standardised luminaires with electronic ballast and an input voltage of 230 V AC/DC, with the maximum input power of 250 W per circuit being available, considering the maximum total input power according to the selected battery model.

The test log integrated in the MyControl with the capacity for up to 30,000 entries in combination with the integrated automatic test system according to ÖVE EN 62034:2013-02 rounds off a fully integrated and state-of-the-art LPS system compliant with applicable standards.

## Features

- Centralised power supply system according to the ÖVE/ÖNORM EN 50171 standard for emergency and safety lighting systems according to ÖVE/ÖNORM EN 50172, ÖVE/ÖNORM E 8002-1 and ÖVE E 8101.
- With an automatic test system according to ÖVE/ÖNORM EN 62034 for regular testing of every connected luminaire
- Autonomous system with combined switching type for non-maintained, maintained and switched maintained luminaires
- Integrated, electronic test log for > 5 years
- Selection between different operating languages (English, German, ...)
- Administration and error indication of up to 20 luminaires per circuit
- 4 main circuits plus one circuit for maintained or non-maintained operation with 150 VA max. (programmable)
- Status information of the system, circuits and luminaires in plain text and with operating LEDs
- Possible connection of additional external switch monitoring modules NLSAM24, NLMCLM, NLMCT15 via RS485 interface
- Up to 6 control inputs can be freely assigned to each circuit
- Networking of multiple systems via Ethernet (TCP/IP) optionally possible
- Integrated web server for remote maintenance of the system, visualisation of floor plans and much more

Integrated light switch monitoring module SAM:

- 4 terminal wired light switch inputs (24-250 V DC, 220/230 V AC) for switching of the circuits in mains powered mode
- 3 programmable switching modes

Integrated IO module:

- 3 relay outputs, 230 V / 6 A, floating CO contacts
- 1 galvanically isolated switching input (24-250 V DC, 220/230 V AC), selectable polarity, programmable function

Integrated CCIF - Critical Circuit Interface Module







- Closed current loop monitoring for short circuit and interruption
- Internal overvoltage and overcurrent protection

## LPS Series MyControl MY

### Technical Data

Type of Mounting	Wall / free-standing
Body:	Sheet steel, aluminium frame
Optional:	Fire proof body E30
Dimensions (HxWxD):	
Body:	900x450x125 mm
Fire proof body E30:	1228x728x295 mm
Degree of protection/appliance class:	IP20 / I
Cable inlet:	Top
Mains connection:	230 V AC $\pm 10\%$ 50/60 Hz
Switched mode:	230 V AC / 216 V DC $\pm 15\%$
Output circuits:	4 + 1 circuits with switching between maintained or non-maintained mode for each circuit
Battery:	Maintenance-free, sealed OGiV lead acid battery NLMY3: 216 V DC (18 x 12 V / 3.6 Ah) NLMY5: 216 V DC (18 x 12 V / 5.2 Ah)
Max. power rating AC:	800 VA
Max. power rating DC: *	NLMY3: 1 h: 1.62 A / 350 W 3 h: 0.67 A / 145 W 8 h: 0.3 A / 65 W NLMY5: 1 h: 2.31 A / 500 W 3 h: 0.97 A / 200 W 8 h: 0.42 A / 90 W
Power loss no load mains operation:	boost charge: 70 W, trickle charge: 45 W
Power loss no load battery operation:	20 W
Mains fuse:	T6.3 A
Recommended back-up fuse:	16 A
Recommended connection cross-sections:	Mains cables: 1.5-4 mm <sup>2</sup> rigid Load circuits: 1.5-2.5 mm <sup>2</sup> rigid
Weight:	NLMY3: 48 kg, NLMY5: 50 kg (incl. batteries) E30 enclosure: 115 kg
Permitted ambient temperature:	+10° to +35°C

\*) Sum of all load circuits, incl. 25% battery ageing reserve

DESCRIPTION	AVAILABLE	ORDER NO.
<b>Low Power Supply Systems</b>		
Low power system MyControl 4 circuits, max. 80 luminaires (20 luminaires per circuit), 900x450x125 mm (HxWxD), P=500 W/1 h, 200 W/3 h or 90 W/8 h, incl. 18 pcs. OGiV 12 V 5.2 Ah batteries with connectors		<b>NLMY5</b>
<b>Accessories</b>		
Three-phase mains monitor with bus connection		<b>NLMCLM</b>
Signalling panel with LCD plain text display and bus connection		<b>NLMCT15</b>
Signalling panel with LCD plain text display, bus connection and key switch		<b>NLMCT15S</b>
Three-phase power supply monitor PC230		<b>NLPC2300</b>
Light switch monitoring module 8 inputs, separate		NLSAM08
Light switch monitoring module 8 inputs incl. line monitor, separate		<b>NLSAM24</b>
Certified E30 enclosure for LPS MyControl with fan, outer dimensions: 1228x728x295 mm (HxWxD), colour: RAL7035, appliance class II, IP54, 115 kg		NLMYE30



Order no. blue: on stock, usually ready for delivery on the day of order