

■ LPS Series MiniControl MN



NLMN104



Mobil Code



NLMN104



NLMN104

■ Schrack-Info

This low power system MiniControl bridges the gap between the smaller My/MicroControl and the bigger brothers Midi/Maxi/MultiControl (MC). The MiniControl has been designed with a 1-, 3- or 8-hour operating time in mind and combines the advantages of a system of self-contained luminaires with the ease and comfort of a CPS system.

The MiniControl works in switched mode 230 V AC / 216 V DC and can be fitted with up to 12 main circuits. Another circuit is integrated by default. This ensures that also conventional off-the-shelf luminaires with electronic ballast and an input voltage of 230 V AC/DC can be used. In combination with our innovative LED luminaire portfolio it is easy to optimise energy efficiency, service life and illumination in all parts of the building. With the integrated browser-based visualisation software the system can readily monitor all connected safety lights and exit sign luminaires and alerts the operator immediately in case of malfunctions.

LPS Series MiniControl MN

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
- 12 main circuits max., for fitting with either 650 VA (DCM32 as standard) or 860 VA module inserts (DMC42 optional), and one separate circuit as maintained or non-maintained lighting circuit for 150 VA max.
- System compatible with circuit module inserts NLDCM12E for centrally controlled individually switchable luminaires
- Connection of up to 20 luminaires per circuit
- Installation of 230 V AC/DC standard luminaires is possible
- Automatic function monitoring of the system and of all luminaires connected to the main circuits via circuit and/or monitoring of individual luminaires without additional wiring
- Autonomous system with combined switching type for non-maintained, maintained and switched maintained luminaires
- Easy-maintenance 19-inch slide-in design
- Integrated, electronic test log for > 5 years
- Selection between different operating languages (English, German, ...)
- Status information of the system, circuits and luminaires in plain text and with operating LEDs
- Connection available for external system 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)
- Integrated web server for remote maintenance of the system, visualisation of floor plans and much more
- Optionally available lockable plexiglass cover for safeguarding against unauthorised access
- Optional E30 rack available
- TÜV Rheinland certified - ID: 1111212721

Integrated light switch monitoring module SAM:

- 8 terminal wired light switch inputs (24-250 V DC, 220/230 V AC) for switching of the circuits in mains powered mode
- Terminal wired power supply (230 V/ 50 Hz) for internal connection
- 3 programmable switching modes

Integrated IO module:

- 7 relay outputs, 230 V / 6 A, floating CO contacts
- 4 galvanically isolated switching inputs (24-250 V DC, 220/230 V AC), selectable polarity, programmable function
- Internal CAN bus connection

Integrated CCIF - Critical Circuit Interface Module:

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

Circuit Modules













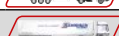



Type:	Fusing:	Max. load per module:
DCM12E	4 x F5 A	1 A / 2 x 300 VA
DCM32	4 x F5 A	3 A / 2 x 650 VA

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Technical Data

Type of mounting:	Wall / free-standing
Body:	Sheet steel RAL 7035
Optional:	Fire proof body E30
Dimensions (HxWxD):	
Sheet steel body:	1470x571x230 mm
Fire proof body E30:	1828x908x395 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:	Max. 32 circuits with switching between maintained or non-maintained mode for each circuit
Battery:	Maintenance-free, sealed OGiV lead acid battery
NLMN100X	216 V DC (18 x 12 V / 17 Ah)
NLMN100X12	216 V DC (18 x 12 V / 12 Ah)
NLMN100X07	216 V DC (18 x 12 V / 7 Ah)
Max. power rating AC:	2000 VA
Max. power rating DC: *	
NLMN100X	1 h: 6.94 A / 1500 W 3 h: 2.31 A / 500 W 8 h: 1.38 A / 300 W
NLMN100X12	1 h: 5.83 A / 1260 W 3 h: 2.31 A / 500 W 8 h: 0.88 A / 190 W
NLMN100X07	1 h: 3.01 A / 650 W 3 h: 1.16 A / 250 W 8 h: 0.42 A / 90 W
Power loss no load mains operation:	boost charge: 91 W, trickle charge: 66 W
Power loss no load battery operation:	40 W
Mains fuse:	16 A
Recommended back-up fuse:	25 A
Recommended connection cross-sections:	Mains cables: 2.5-6 mm ² rigid Load circuits: 1.5-2.5 mm ² rigid
Weight:	NLMN100X: 176 kg (incl. batteries) NLMN100X12: 143 kg (incl. batteries) NLMN100X07: 120 kg (incl. batteries) E30 enclosure: 140 kg
Permitted ambient temperature:	+10° to +35°C

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

DESCRIPTION	AVAILABLE	ORDER NO.
Low Power Supply Systems		
Low power system MiniControl 2 circuits max. 40 luminaires total		NLMN102A
Low power system MiniControl 2 circuits max. 40 luminaires total, power: 500 W 1 h / 200 W 3 h, extensible to max. 12 circuits max. 240 luminaires		NLMN102A05
Low power system MiniControl 4 circuits max. 80 luminaires total		NLMN104A
Low power system MiniControl 6 circuits max. 120 luminaires total		NLMN106A
Low power system MiniControl 8 circuits max. 160 luminaires total		NLMN108A
Low power system MiniControl 10 circuits max. 200 luminaires total		NLMN110A
Low power system MiniControl 12 circuits max. 240 luminaires total		NLMN112A
Accessories		
Slide-in circuit module 19" 2 x 1 A/300 VA – fuse 4x5 A, for emergency luminaires that can be individually switched from a central unit NL...EL, NL...E		NLDCM12E
Slide-in circuit module 19" 2 x 3 A/650 VA – fuse 5 A combined operation M/NM		NLDCM32
Slide-in circuit module 19" 2 x 4 A/860 VA – fuse 6.3 A combined operation M/NM		NLDCM42
Plexiglass cover lockable for MiniControl		NLPLXMIN
Certified E30 enclosure for LPS MicroControl with fan, outer dimensions: 1388x861x345 mm (HxWxD), colour RAL7035, appliance class II, IP54, 115 kg		NLMNE30
Three-phase mains monitor with bus connection		NLMCLM
Three-phase power supply monitor PC230		NLPC2300
Signalling panel with LCD plain text display and bus connection		NLMCT15
Signalling panel with LCD plain text display, bus connection and key switch		NLMCT15S
Light switch monitoring module 8 inputs, separate		NLSAM08
External printer for Micro- and MiniControl		NLBD04E
Light switch monitoring module 8 inputs incl. line monitor, separate		NLSAM24
Surcharge for WIFI module built in in Micro-, Mini-, Midi-, Maxi- or MultiControl		NLMIWLAN



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