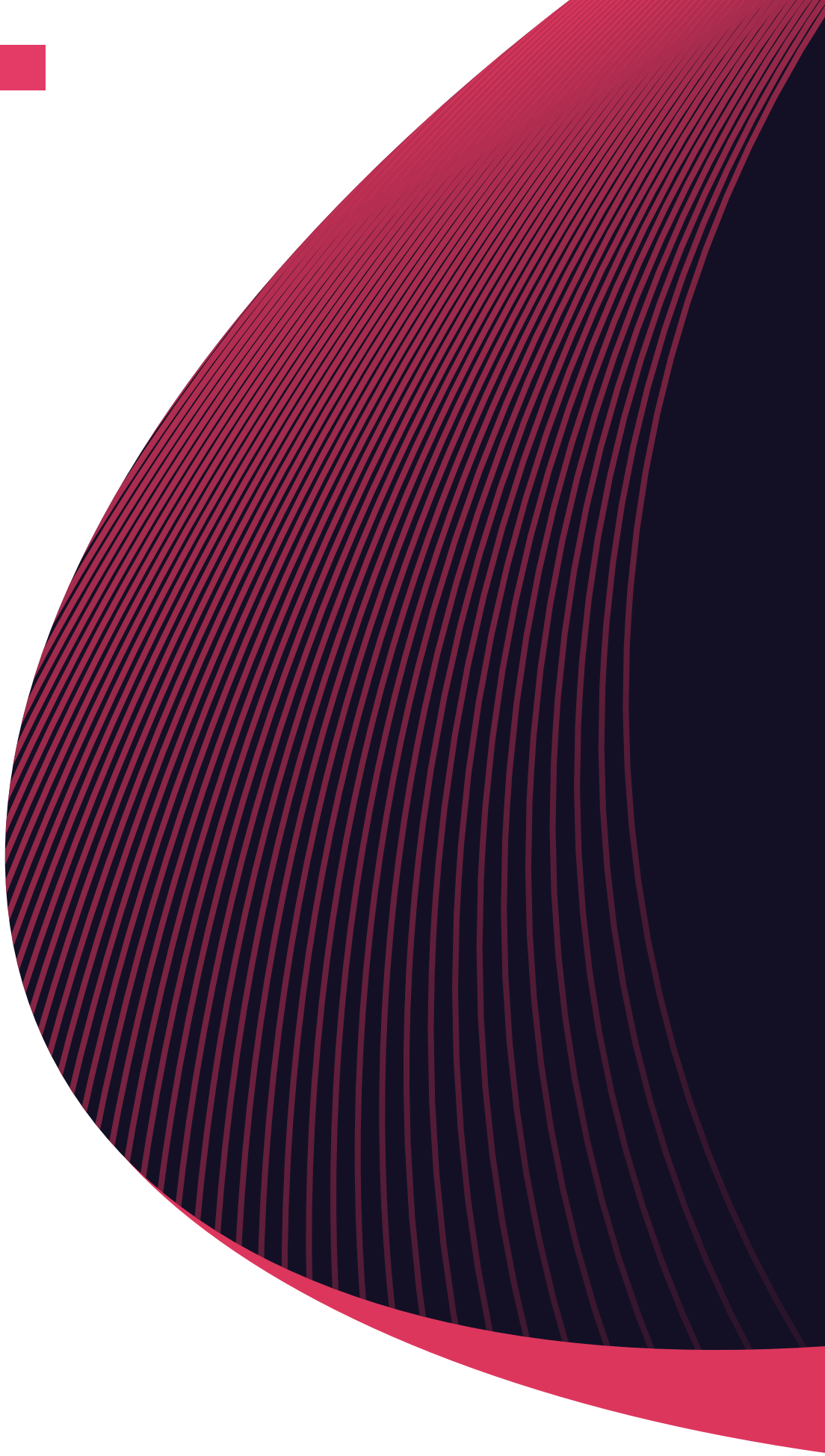
www.exilux.co.uk



NRG+

LPS & CPS Catalogue 2026

exilux

Our goal is to support clients with systems that perform when it matters most, backed by decades of industry experience and a commitment to excellence.

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Why choose Exilux?

Emergency lighting is critical infrastructure. When it fails, the consequences are serious. Yet too often it is misunderstood and overcomplicated.
At Exilux we take a different approach. We focus on:

- **Standards first, not sales first** - advice driven by compliance and good practice
- **Clear system choices** - no added complexity, just the right system for the job
- **Respect for every professional role** - working with consultants, contractors, and installers, not replacing them, to ensure shared success.
- **Transparency and control** - systems designed to be monitored, managed and trusted
- **Long-term thinking** - solutions built for value, performance, and reliability over time

This gives our customers confidence that the system they choose is right, today and in the years ahead.

"We understand the challenges employers and building owners face in staying compliant."

"Every Exilux product arrives ready to perform, giving you peace of mind and a faster, more efficient installation process."

Diverse sector experience

Our team has delivered emergency lighting solutions for some of the UK's most complex and highly regulated environments. Clients range from leading retail chains, international airports, defence and data centres.

We also work across a wide range of sectors including education, healthcare, manufacturing, transport and industry. From schools and hospitals to warehouses, museums and leisure centres, we focus on compliance, reliability, and ease of maintenance without compromising the look and feel of each space.

How we work: from concept to completion

Professional advice

Knowledge-led support. Flexible solutions. Long-term partnership.

Our account managers are your first point of contact and trusted sounding board. They work closely with you to understand your building, your priorities and your responsibilities, taking into account everything from infrastructure and scale to maintenance goals and budget. With decades of experience and a strong understanding of British standards, they provide clear, practical advice to help you explore the most appropriate system options.

Project support

One point of contact. The right expertise, at the right time.

You will have a single, dedicated point of contact at Exilux who understands your project and acts as a direct link to our wider team. From early planning through to final sign off, they co-ordinate the support you need at every stage. They can help with quotations, specifications, tender queries and urgent product needs working alongside contractors, finance teams and service engineers to ensure no detail is overlooked.

Technical support

Clear design. Proven performance.

We combine practical thinking with detailed technical knowledge. Our team provides full lighting calculations, design and layout advice, specification support and clear advice on system suitability and performance. This helps reduce risk, and deliver compliant solutions that work in real settings.

Commissioning, Service & Aftersales

Your system. Your choice. Our support when you need it.

Our systems are designed to be clear, simple, and easy to manage. Many customers choose to commission and maintain them independently, supported by detailed manuals and intuitive controls. Where needed, we provide full commissioning, software updates, servicing, and technical support. Our aftersales approach is built on long-term relationships, offering reliable help and systems that are easy to maintain and built to last.

Specialist training

We provide both CIBSE-certified CPD courses and hands-on training tailored to our product range. These can be delivered in focused sessions, one-to-one or group seminars, on-site or online, equipping you and your teams with the knowledge and skills to maintain your systems and products at their best.

Product overview

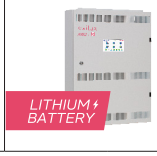
MONITORING AND CONTROL SYSTEMS



NRG Cloud 10-11



NRG + LPS 12-15



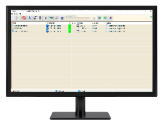
NRG + LPS Li 16-17



NRG + CPS 18-21



NRG + CPS Li 22-25



NRG + PC Visualisation Software 36

MODULES FOR CONTROL SYSTEMS



Fireproof junction box 26



NRG + SUB 27-28



NRG + SKUi 29-30



NRG + IOe 31-32



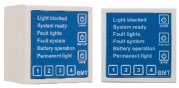
NRG + BNW 33-34



NRG + ULM 35



NRG + Battery Monitoring 37



NRG + Remote Panel 38



NRG + Remote Panel display 39





Product markings

Insulation class I

Degree of protection

NRG System

Insulation class II

Insulation class III

NRG + System

Compliance with the relevant EU legislation

Compliance with the relevant UK legislation

Product mounting options

CONTROL SYSTEMS

Surface wall

Recessed wall

Floor standing

MODULES FOR CONTROL SYSTEMS

DIN Rail

Built-in

NRG+ / NRG
Luminaires

The Exilux LPS and CPS systems complement each other and offer a professional emergency product range divided into two product families:

NRG+

NRG+ Series
(Addressable Luminaires)

NRG+ fittings are fully addressable, meaning each one can be monitored and controlled independently within the LPS and CPS network. This allows real-time updates on function, status and faults at fitting level. It gives facilities teams full oversight, supports faster fault diagnosis and simplifies compliance reporting. Ideal for hospitals, multi-storey buildings, or sites with varied use across zones.

Key features:

- Centralised monitoring via LPS or CPS communication
- Automatic testing and fault reporting via LPS or CPS communication
- High-efficiency LED technology for optimal visibility
- Compliant with BS EN 60598-2-22, BS EN 1838, and other relevant standards

NRG

NRG Series
(Non-Addressable Luminaires)

These luminaires operate without individual communication, making them a cost-effective option for smaller or less complex systems. They are tested and controlled in groups via the LPS or CPS, offering reliable performance where detailed individual reporting is not required. This approach works well in buildings with uniform layouts or straightforward compliance needs.

Key features:

- Independent operation with no central communication needed
- Energy-efficient LED illumination
- Durable construction for long-term reliability
- Compliant with BS EN 60598-2-22, BS EN 1838, and other relevant standards

Both NRG+ and NRG products are engineered for maximum safety, durability, and ease of installation, making them ideal for evacuation routes, emergency exits, and hazard identification.

NRG CLOUD SOFTWARE



NRG Cloud puts your emergency lighting systems at your fingertips, with secure remote access, live diagnostics and full control from anywhere. NRG Cloud gives you full visibility and control over your emergency lighting systems, whether you're managing self-contained units or central battery setups. Designed with secure end-to-end encryption, it allows all connected devices to communicate safely across your estate. From a single dashboard, you can access live system diagnostics, schedule maintenance, and stay audit ready, all without the need for manual checks. Whether you're on site or off, NRG Cloud keeps your lighting systems compliant and operational.

Core benefits

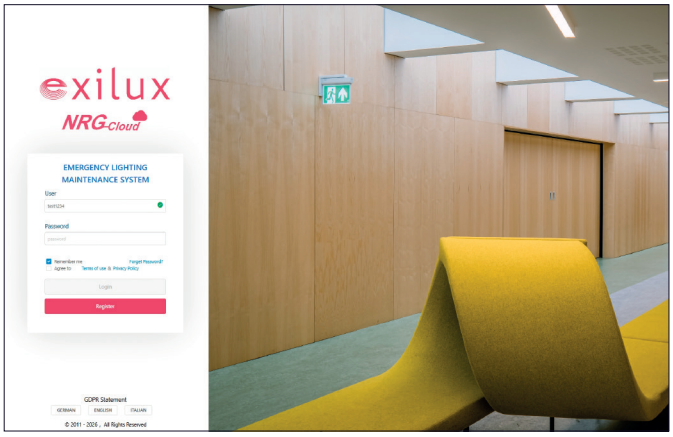
NRG Cloud turns emergency lighting into a connected, intelligent system that works harder for your safety, compliance and budget.

- **Absolute peace of mind:** 24/7 real-time monitoring instantly alerts you to any fault from a failed battery to a fitting outage, ensuring your system is always emergency-ready.
- **Effortless compliance:** Automate testing and generate audit-ready reports for regulations like BS EN 50172 and BS EN 62034, and others with a single click. Eliminate paper logs and human error forever.
- **Advanced maintenance:** Go beyond basic diagnostics. NRG Cloud provides device monitoring and performance tracking, enabling you to investigate any faults remotely and implement proactive maintenance, resulting in significant cost savings.
- **Unmatched operational efficiency:** Manage entire portfolios of buildings remotely. Drastically reduce manual testing costs, optimise maintenance routes, and extend the lifecycle of your equipment.
- **Live system dashboards:** Live visibility of your entire system at a glance, so you can focus on what needs attention.
- **Instant smart alerts:** Instant notifications via email keep your team informed the moment an issue arises.
- **Secure compliance records:** Your compliance history is always secure, organised, and instantly accessible when you need it.
- **Geolocation via Google Maps:** Quickly locate faults across your estate using Google Maps and site-specific floor plans. Visual alarm displays highlight exact fault locations, making on-site checks faster and more targeted.

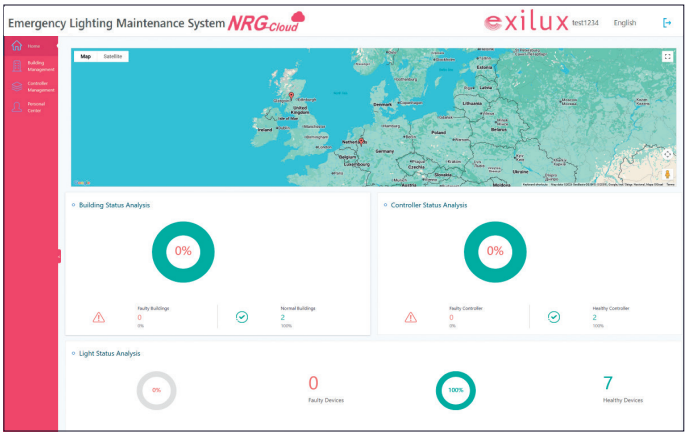
NRG CLOUD SOFTWARE Intuitive and well designed interfaces make monitoring simple and easy.

NRG Cloud

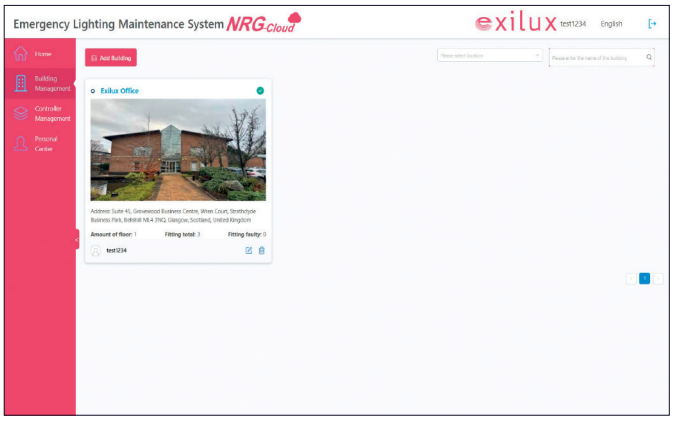
Brief introduction to functions



Login page,to access the NRG Cloud, or to request an account creation.



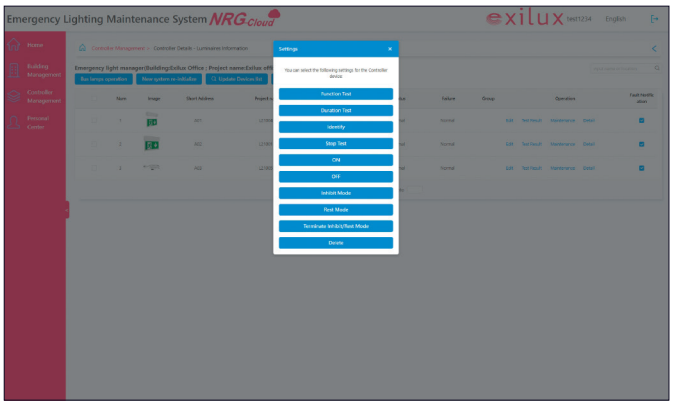
Geolocation of the project on Google Maps.



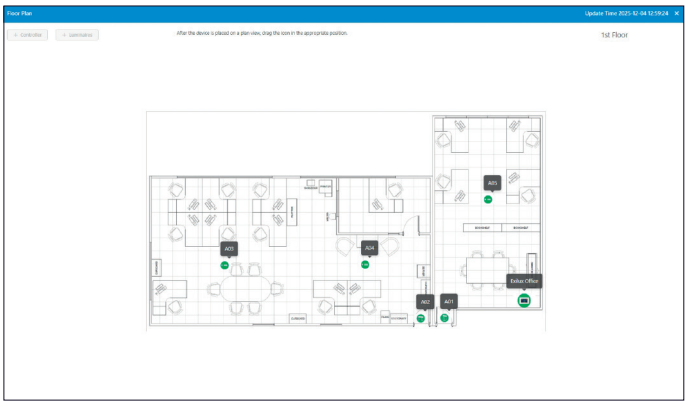
Supervision of buildings, with images showing where the products have been installed.



Supervision of floor plans showing the number of Devices and Control Units in each area of the building.



Menu for managing the Central Unit or Devices.



Floor plan showing luminaire icons.

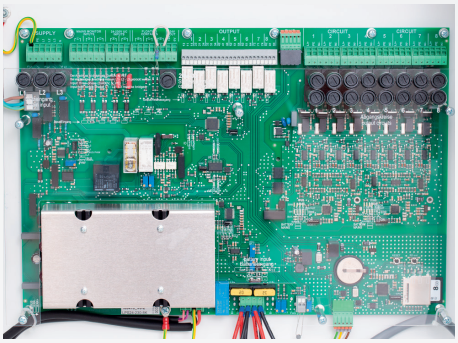
NRG+ LPS

Reliable backup power that keeps our emergency lighting systems compliant and ready when it matters most.

Our Low Power Supply System (LPS) provides a dependable backup power source for emergency lighting.
Built to support uninterrupted operation during power loss, the system protects building occupants by maintaining critical emergency lighting and safety systems.

Fully compliant with BS EN 50171, BS EN 62485-2, and BS EN 62034, it offers a simple, effective solution for projects where safety and compliance are non-negotiable.





Why choose our LPS system?

- It guarantees compliance with EU/UK safety regulations
- It enhances occupant safety with a fail-safe emergency power supply
- It reduces maintenance costs by automating testing and diagnostics
- It ensures safety and power and meets legal requirements with a high-reliability LPS system

Features

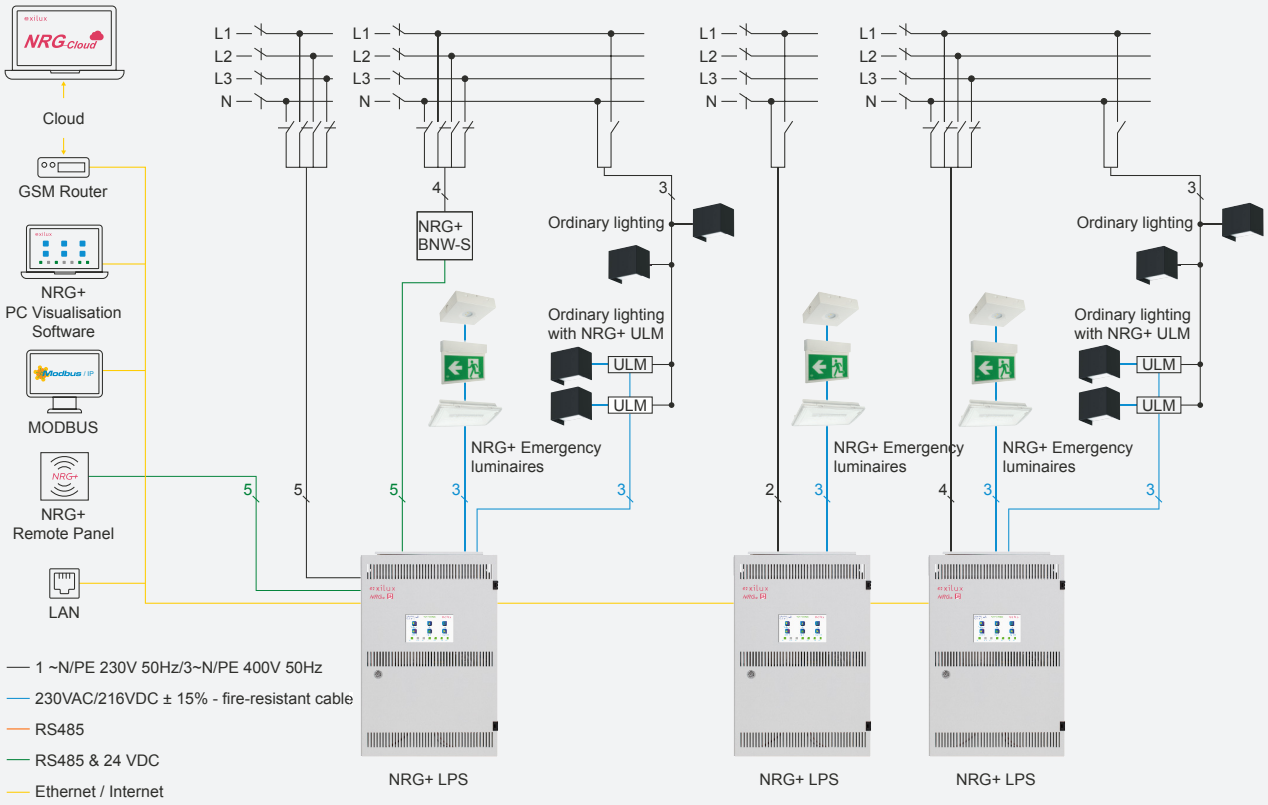
- Seamless automatic switchover: transition to backup power in the event of a mains failure
- High-performance battery backup: long-life batteries providing 1–3 hours of emergency runtime, configurable to meet local regulations
- Smart monitoring and self-testing: continuous diagnostics for battery health, charge status and system integrity
- Automated or manual testing, with full system monitoring and a logbook containing status and failure information
- Energy-efficient operation: optimised power consumption without compromising safety
- Compact and robust design: allows for easy integration into electrical rooms or dedicated fireproof enclosures
- Wide application range: suitable for commercial buildings, industrial sites, hospitals, tunnels and public infrastructure
- Individual luminaire and circuit fault detection: without additional data line
- USB interface can be used to:
  - update the control unit software
  - upload/save the unit configuration
  - upload/save the circuit configuration
  - connect a standard keyboard
- Manages up to 8 circuits (up to 160 luminaires – max. of 20 luminaires per circuit)

Full compliance

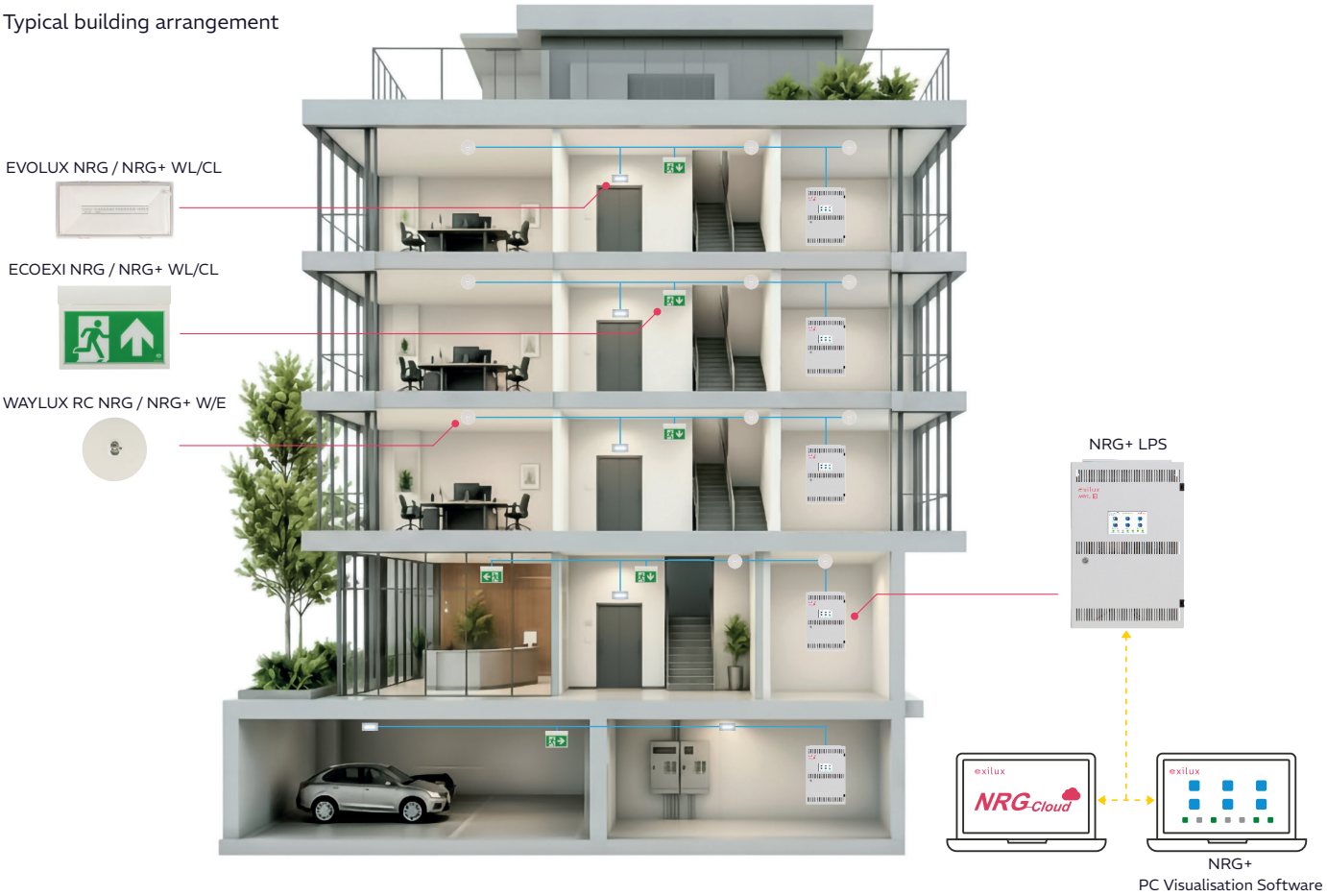
- BS EN 50171 (Central Power Supply Systems)
- BS EN 62485-2 (Safety Requirements for Stationary Battery Installations)
- BS EN 62034 (Automatic Testing for Battery-Powered Emergency Lighting)

LPS with NRG+

Luminaires and NRG+ ULM Addressable Module for individual fitting control and programming



Typical building arrangement



NRG+
LPS 230

The NRG+ LPS 230 Low Power Supply System (LPS) is designed for use with emergency lighting.
It has outgoing circuits of 230 V AC and 216 V DC with integrated monitoring.
Powerline communication enables each luminaire to be programmed and monitored individually using an NRG+ addressable monitoring module, thereby eliminating the need for additional data cables (luminaire monitoring circuit).
Alternatively, it can be used to program and monitor each circuit individually (circuit monitoring), or both in combination.
Mixed operation is permitted within one circuit for maintained mode, non-maintained mode, switched maintained mode or time switch. A maximum of 20 non-addressable NRG luminaires or NRG+ addressable modules/luminaires can be connected per circuit with manual addressing.
User-friendly 7" Touchscreen Display and integrated Modbus interface.

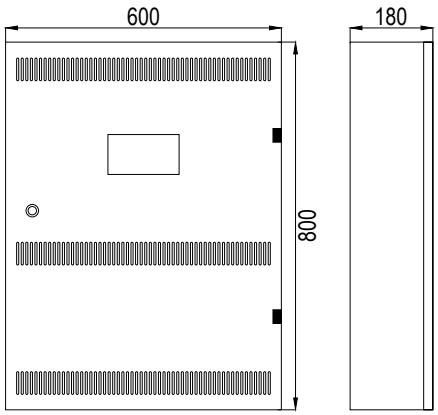
Designed according to BS EN 50171, BS EN 62485-2, BS EN 62034.



Features

- Each circuit for max. 20 luminaires
- Single luminaire monitoring
- 3 potential-free inputs – 3 inputs rated at 230 V AC – 2 inputs rated at 24–230 V AC/DC
- 8 freely programmable relay outputs, 230 V / 2 A
- USB interface for a keyboard, mouse or USB flash drive
- TCP/IP interface for networking, visualisation or MODBUS
- Easy commissioning of the system via menu navigation
- Switching individual or grouped luminaires via switching inputs
- A simple yet powerful automatic luminaire search
- Menu for recognising duplicate addresses
- Automatic test equipment and an integrated test logbook
- Supervision software for visualisation and control of up to 253 systems
- High-efficiency charging modules with temperature compensation

Dimensions



Technical specifications

Nominal input voltage	1~N/PE 230 V 50 Hz / 3~N/PE 400 V 50 Hz
Nominal output voltage	230 V AC / 216 V DC ±15 %
Outgoing circuits	3 A 690 W, 4 or 8 circuits
Battery	AGM-VRLA from 9 to 12 Ah - 10 YEARS expected lifespan
Autonomy and power according EN 50171	1 h from 870 to 1290 W - 3 h from 380 to 509 W
System standby power	34 W
Charging time	12 h
Colour and material	RAL 9016 - galvanised and painted sheet steel
Interface	TCP / IP - MODBUS - USB
Operating temperature	LPS 0 °C to +40 °C, Batteries 20 °C to +25 °C
Cable entry	Top
Weight	72.5 to 96.5 kg

NRG+
LPS 24-230

The NRG+ LPS 24-230 Low Power Supply System (LPS) is designed for use with emergency lighting.
It has outgoing circuits of 230 V AC and 230 V DC with integrated monitoring.
Powerline communication enables each luminaire to be programmed and monitored individually using an NRG+ addressable monitoring module, thereby eliminating the need for additional data cables (luminaire monitoring circuit).
Alternatively, it can be used to program and monitor each circuit individually (circuit monitoring), or both in combination.
Mixed operation is permitted within one circuit for maintained mode, non-maintained mode, switched maintained mode or time switch. A maximum of 20 non-addressable NRG luminaires or NRG+ addressable modules/luminaires can be connected per circuit with manual addressing.
User-friendly 7" Touchscreen Display and integrated Modbus interface.

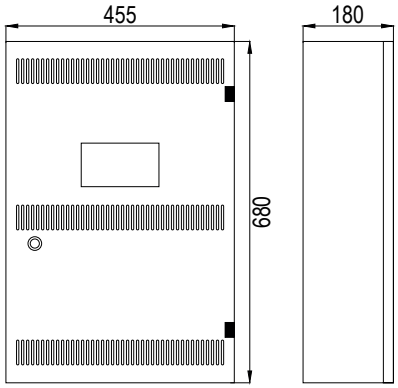
Designed according to BS EN 50171, BS EN 62485-2, BS EN 62034.



Features

- Each circuit for max. 20 luminaires
- Single luminaire monitoring
- 3 potential-free inputs – 3 inputs rated at 230 V AC – 2 inputs rated at 24–230 V AC/DC
- 8 freely programmable relay outputs, 230 V / 2 A
- USB interface for a keyboard, mouse or USB flash drive
- TCP/IP interface for networking, visualisation or MODBUS
- Easy commissioning of the system via menu navigation
- Switching individual or grouped luminaires via switching inputs
- A simple yet powerful automatic luminaire search
- Menu for recognising duplicate addresses
- Automatic test equipment and an integrated test logbook
- Supervision software for visualisation and control of up to 253 systems
- High-efficiency charging modules with temperature compensation

Dimensions



Technical specifications

Nominal input voltage	1~N/PE 230 V 50 Hz / 3~N/PE 400 V 50 Hz
Nominal output voltage	230 V AC / 230 V DC ±5 %
Outgoing circuits	0.87 A 200 W 4 or 8 circuits
Battery	AGM-VRLA from 13 to 52 Ah - 10 YEARS expected lifespan
Autonomy and power according EN 50171	1 h from 128 to 250 W - 3 h from 46 to 230 W
System standby power	30.5 W
Charging time	12 h
Colour and material	RAL 9016 - galvanised and painted sheet steel
Interface	TCP / IP - MODBUS - USB
Operating temperature	LPS 0 °C to +40 °C, Batteries 20 °C to +25 °C
Cable entry	Top
Weight	18.6 to 41.2 kg

NRG+
LPS 24-230 Li



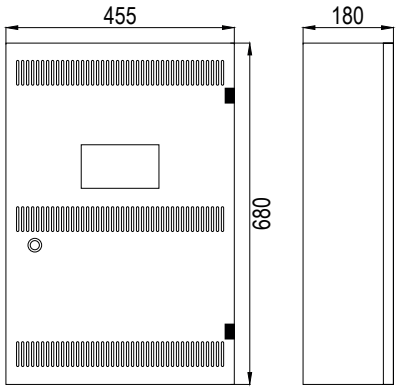
The NRG+ LPS 24-230 Li Low Power Supply System (LPS) is designed for use with emergency lighting.
It has outgoing circuits of 230 V AC and 230 V DC with integrated monitoring.
Powerline communication enables each luminaire to be programmed and monitored individually using an NRG+ addressable monitoring module, thereby eliminating the need for additional data cables (luminaire monitoring circuit).
Alternatively, it can be used to program and monitor each circuit individually (circuit monitoring), or both in combination.
Mixed operation is permitted within one circuit for maintained mode, non-maintained mode, switched maintained mode or time switch. A maximum of 20 non-addressable NRG luminaires or NRG+ addressable modules/luminaires can be connected per circuit with manual addressing.
User-friendly 7" Touchscreen Display and integrated Modbus interface.

Designed according to BS EN 50171, BS EN 62485-2, BS EN 62034.

Features

- Each circuit for max. 20 luminaires
- Single luminaire monitoring
- 3 potential-free inputs - 3 inputs rated at 230 V AC – 2 inputs rated at 24–230 V AC/DC
- 8 freely programmable relay outputs, 230 V / 2 A
- USB interface for a keyboard, mouse or USB flash drive
- TCP/IP interface for networking, visualisation or MODBUS
- Easy commissioning of the system via menu navigation
- Switching individual or grouped luminaires via switching inputs
- A simple yet powerful automatic luminaire search
- Menu for recognising duplicate addresses
- Automatic test equipment and an integrated test logbook
- Supervision software for visualisation and control of up to 253 systems
- High-efficiency charging modules with temperature compensation
- LFP 'LiFePo4' batteries for use in environments with a temperature range of 0 to 45°C

Dimensions



Technical specifications

Nominal input voltage	1~N/PE 230 V 50 Hz / 3~N/PE 400 V 50 Hz
Nominal output voltage	230 V AC / 230 V DC ±5 %
Outgoing circuits	0.87 A 200 W 4 or 8 circuits
Battery	Lithium form 18 to 54 Ah - 10 YEARS expected lifespan
Autonomy and power according EN 50171	1 h from 200 to 250 W - 3 h from 90 to 250 W
System standby power	30.5 W
Charging time	12 h
Colour and material	RAL 9016 - galvanised and painted sheet steel
Interface	TCP / IP - MODBUS - USB
Operating temperature	LPS 0 °C to +45 °C, Batteries 0 °C to +45 °C
Cable entry	Top
Weight	15.3 to 23.9 kg

NRG+
LPS 24-230 Li IP66

The NRG+ LPS 24-230 LI IP66 Low Power Supply System (LPS) is designed for use with emergency lighting.
It has outgoing circuits of 230 V AC and 230 V DC with integrated monitoring. Powerline communication enables each luminaire to be programmed and monitored individually using an NRG+ addressable monitoring module, thereby eliminating the need for additional data cables (luminaire monitoring circuit). Alternatively, it can be used to program and monitor each circuit individually (circuit monitoring), or both in combination.
Mixed operation is permitted within one circuit for maintained mode, non-maintained mode, switched maintained mode or time switch. A maximum of 20 non-addressable NRG luminaires or NRG+ addressable modules/luminaires can be connected per circuit with manual addressing.
User-friendly 7" Touchscreen Display and integrated Modbus interface.

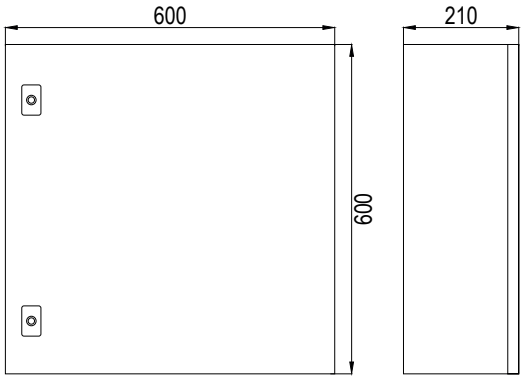
Designed according to BS EN 50171, BS EN 62485-2, BS EN 62034.



Features

- Each circuit for max. 20 luminaires
- Single luminaire monitoring
- 3 potential-free inputs – 3 inputs rated at 230 V AC – 2 inputs rated at 24–230 V AC/DC
- 8 freely programmable relay outputs, 230 V / 2 A
- USB interface for a keyboard, mouse or USB flash drive
- TCP/IP interface for networking, visualisation or MODBUS
- Easy commissioning of the system via menu navigation
- Switching individual or grouped luminaires via switching inputs
- A simple yet powerful automatic luminaire search
- Menu for recognising duplicate addresses
- Automatic test equipment and an integrated test logbook
- Supervision software for visualisation and control of up to 253 systems
- High-efficiency charging modules with temperature compensation
- LFP 'LiFePo4' batteries for use in environments with a temperature range of 0 to 45°C
- Ideal for use in damp environments and in the food industry

Dimensions



Technical specifications

Nominal input voltage	1~N/PE 230 V 50 Hz / 3~N/PE 400 V 50 Hz
Nominal output voltage	230 V AC / 230 V DC ±5 %
Outgoing circuits	0.87 A 200 W 4 or 8 circuits
Battery	LFP form 18 to 54 Ah - 10 YEARS expected lifespan
Autonomy and power according EN 50171	1 h form 200 to 250 W - 3 h from 90 to 250 W
System standby power	30.5 W
Charging time	12 h
Colour and material	RAL 7035 - galvanised and painted sheet steel
Interface	TCP / IP - MODBUS - USB
Operating temperature	LPS 0 °C to +45 °C, Batteries 0 °C to +45 °C
Cable entry	Top
Weight	15.4 to 24.2 kg

NRG+ CPS

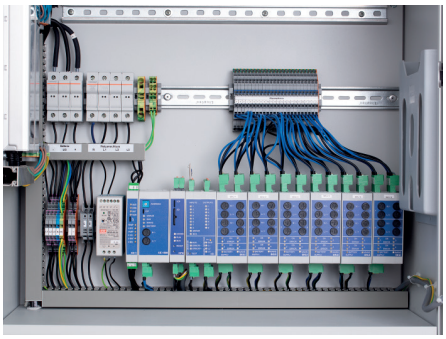
Reliable, scalable emergency power for complex buildings and critical systems.
Our Central Power Supply System (CPS) provides a fully integrated backup power source for emergency lighting, exit signage and life safety equipment. It is designed for large-scale or high-demand environments where safety and compliance must be maintained without compromise.
Built for performance during extended power outages, the system delivers automatic power to critical circuits the moment mains supply fails. Whether you're operating across a single site or multiple zones, CPS gives you the capacity and confidence to keep people safe and systems operational.

Fully compliant with BS EN 50171, BS EN 62485-2 and BS EN 62034, the CPS solution meets UK and EU standards for central power systems, battery safety and automatic testing.



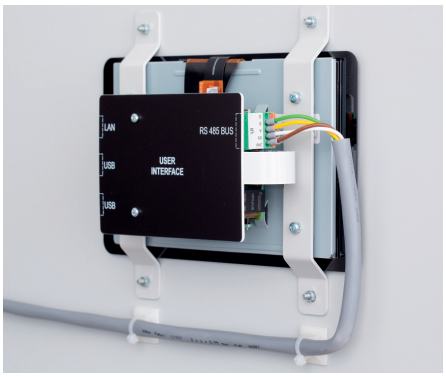
Why choose our CPS system?

- It guarantees compliance with EU/UK safety regulations
- It enhances occupant safety with a fail-safe emergency power supply
- It reduces maintenance costs by automating testing and diagnostics
- It ensures safety and power and meets legal requirements with a high-reliability CPS system



Features

- Seamless automatic switchover: transition to backup power in the event of a mains failure
- High-performance battery backup: long-life batteries providing 1–3 hours of emergency runtime, configurable to meet local regulations
- Smart monitoring and self-testing: continuous diagnostics for battery health, charge status and system integrity
- Automated or manual testing, with full system monitoring and a logbook containing status and failure information
- Energy-efficient operation: optimised power consumption without compromising safety
- Compact and robust design: allows for easy integration into electrical rooms or dedicated fireproof enclosures
- Wide application range: suitable for commercial buildings, industrial sites, hospitals, tunnels and public infrastructure
- Individual luminaire and circuit fault detection: without additional data line
- USB interface can be used to:
  - update the control unit software
  - upload/save the unit configuration
  - upload/save the circuit configuration
  - connect a standard keyboard
- Manages up to 72 circuits (up to 1440 luminaires – max. of 20 luminaires per circuit)
- In a project that includes SUBs, you can manage up to 256 circuits (up to 5120 luminaires, with a maximum of 20 luminaires per circuit) on the same unit

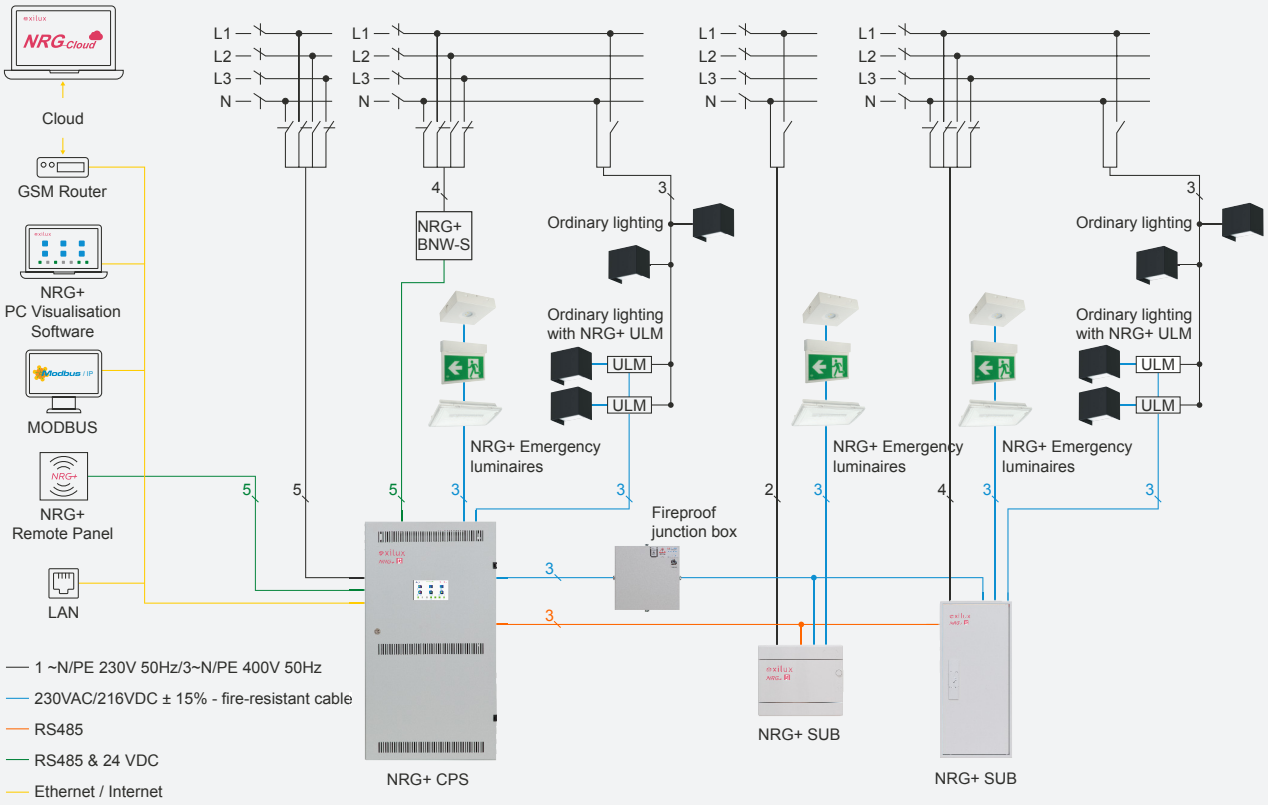


Full compliance

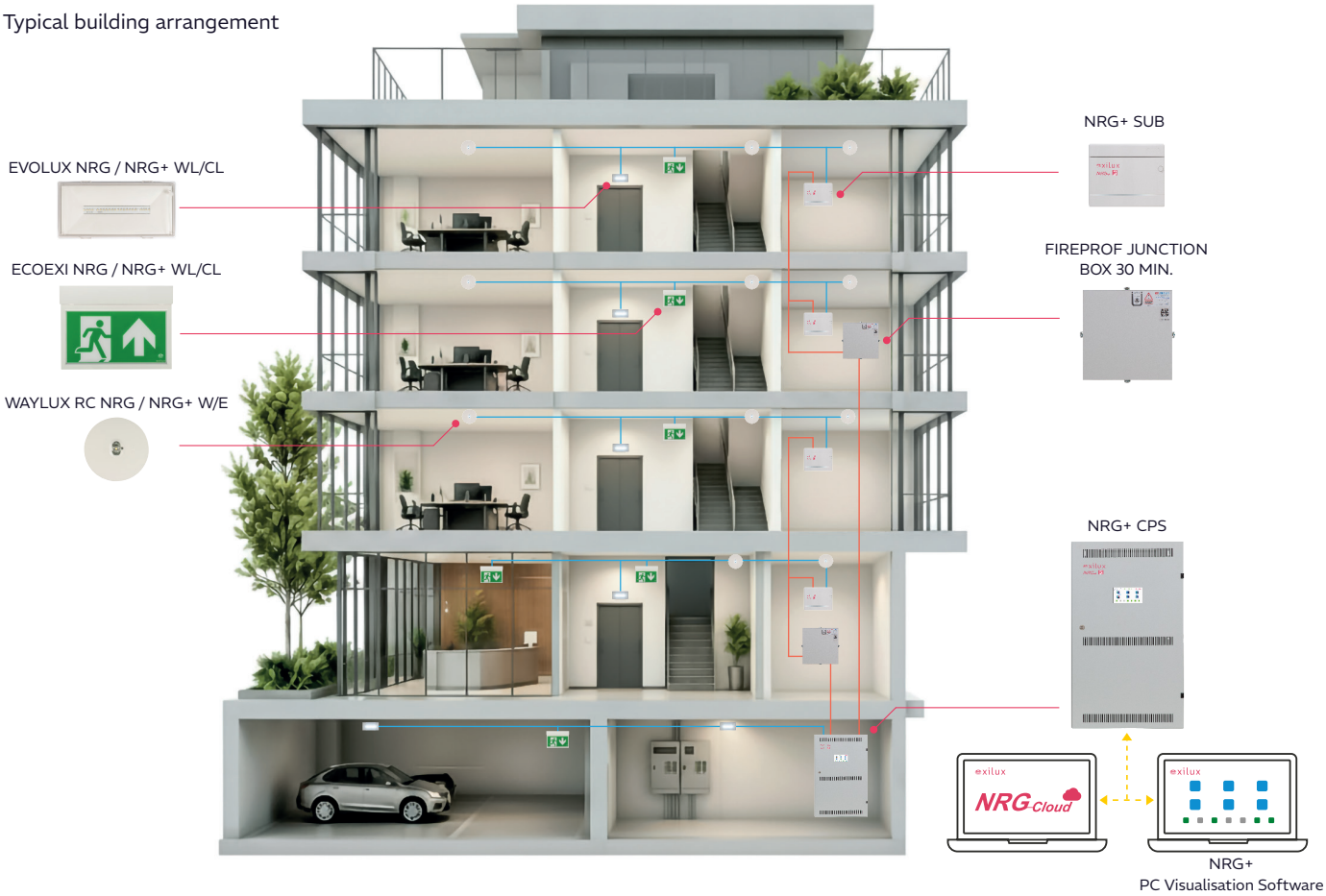
- BS EN 50171 (Central Power Supply Systems)
- BS EN 62485-2 (Safety Requirements for Stationary Battery Installations)
- BS EN 62034 (Automatic Testing for Battery-Powered Emergency Lighting)

CPS with NRG+

Luminaires and NRG+ ULM Addressable Module for individual fitting control and programming



Typical building arrangement



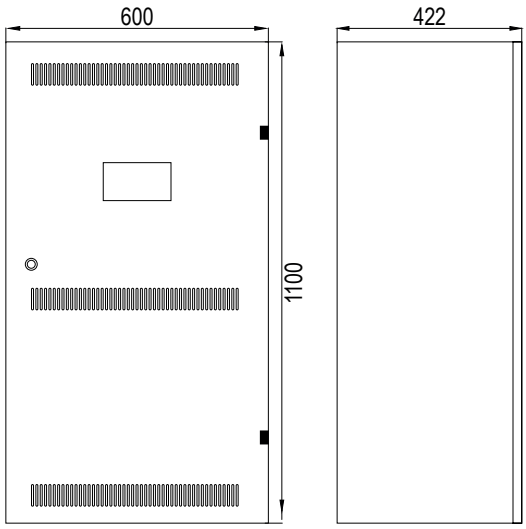
NRG+
CPS S28



The NRG+ CPS S28 Central Power Supply System (CPS) is designed for use with emergency lighting.
It has outgoing circuits of 230 V AC and 216 V DC with integrated monitoring. Powerline communication enables each luminaire to be programmed and monitored individually using an NRG+ addressable monitoring module, thereby eliminating the need for additional data cables (luminaire monitoring circuit). Alternatively, it can be used to program and monitor each circuit individually (circuit monitoring), or both in combination.
Mixed operation is permitted within one circuit for maintained mode, non-maintained mode, switched maintained mode or time switch. A maximum of 20 non-addressable NRG luminaires or NRG+ addressable modules/luminaires can be connected per circuit with manual addressing.
User-friendly 7" Touchscreen Display and integrated Modbus interface.
Designed according to BS EN 50171, BS EN 62485-2, BS EN 62034.

Features

- Each circuit for max. 20 luminaires
- Single luminaire monitoring
- 8 freely programmable (potential-free) switching inputs
- 8 freely programmable relay outputs, 230 V / 2 A
- BUS connection for substations or external modules
- USB interface for a keyboard, mouse or USB flash drive
- TCP/IP interface for networking, visualisation or MODBUS
- Easy commissioning of the system via menu navigation
- Switching individual or grouped luminaires via switching inputs
- A simple yet powerful automatic luminaire search
- Menu for recognising duplicate addresses
- Automatic test equipment and an integrated test logbook
- Supervision software for visualisation and control of up to 253 systems
- IU-characteristic charger with a separate charge controller and control of redundant charging modules
- High-efficiency charging modules with temperature compensation
- Up to 5 circuits for substations



Technical specifications

Nominal input voltage	1~N/PE 230 V 50 Hz / 3~N/PE 400 V 50 Hz
Nominal output voltage	230 V AC / 216 V DC ±15 %
Outgoing circuits	6 A 1380 W or 3 A 690 W (max. up to 28 circuits)
Battery	AGM-VRLA from 7.2 to 28 Ah - 10 YEARS expected lifespan
Autonomy and power according EN 50171	1 h from 753 to 2885 W - 3 h from 297 to 1152 W
System standby power	1 h from 103.6 to 110.4 W / 3 h 103.6 W
Charging time	12 h
Colour and material	RAL 7035 - galvanised and painted sheet steel
Interface	TCP / IP - MODBUS - USB
Operating temperature	CPS 0 °C to +40 °C, Batteries 20 °C to +25 °C
Cable entry	Top
Weight	100 to 210 kg

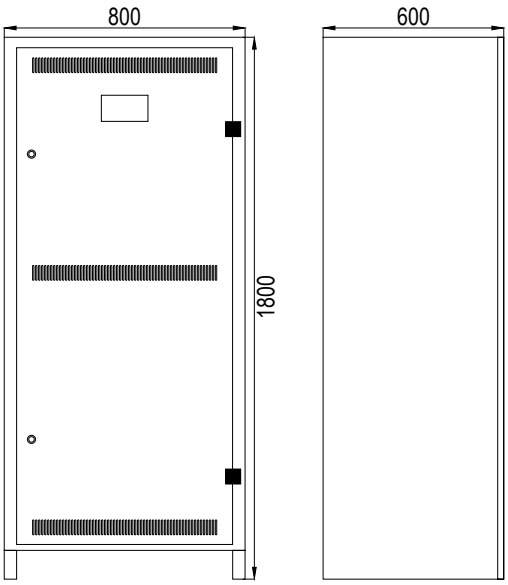
NRG+
CPS B72



The NRG+ CPS B72 Central Power Supply System (CPS) is designed for use with emergency lighting.
It has outgoing circuits of 230 V AC and 216 V DC with integrated monitoring. Powerline communication enables each luminaire to be programmed and monitored individually using an NRG+ addressable monitoring module, thereby eliminating the need for additional data cables (luminaire monitoring circuit). Alternatively, it can be used to program and monitor each circuit individually (circuit monitoring), or both in combination.
Mixed operation is permitted within one circuit for maintained mode, non-maintained mode, switched maintained mode or time switch. A maximum of 20 non-addressable NRG luminaires or NRG+ addressable modules/luminaires can be connected per circuit with manual addressing.
User-friendly 7" Touchscreen Display and integrated Modbus interface.
Designed according to BS EN 50171, BS EN 62485-2, BS EN 62034.

Features

- Each circuit for max. 20 luminaires
- Single luminaire monitoring
- 8 freely programmable (potential-free) switching inputs
- 8 freely programmable relay outputs, 230 V / 2 A
- BUS connection for substations or external modules
- USB interface for a keyboard, mouse or USB flash drive
- TCP/IP interface for networking, visualisation or MODBUS
- Easy commissioning of the system via menu navigation
- Switching individual or grouped luminaires via switching inputs
- A simple yet powerful automatic luminaire search
- Menu for recognising duplicate addresses
- Automatic test equipment and an integrated test logbook
- Supervision software for visualisation and control of up to 253 systems
- IU-characteristic charger with a separate charge controller and control of redundant charging modules
- High-efficiency charging modules with temperature compensation
- Up to 6 circuits for substations



Technical specifications

Nominal input voltage	1~N/PE 230 V 50 Hz / 3~N/PE 400 V 50 Hz
Nominal output voltage	230 V AC / 216 V DC ±15 %
Outgoing circuits	6 A 1380 W or 3 A 690 W (max. up to 72 circuits)
Battery	AGM-VRLA from 7.2 to 250 Ah - 10 YEARS expected lifespan
Autonomy and power according EN 50171	1 h from 753 to 24537 W - 3 h from 297 to 11024 W
System standby power	1 h from 140.3 to 321.3 W / 3 h 140.3 to 321.3 W
Charging time	12 h
Colour and material	RAL 7035 - galvanised and painted sheet steel
Interface	TCP / IP - MODBUS - USB
Operating temperature	CPS 0 °C to +40 °C, Batteries 20 °C to +25 °C
Cable entry	Top
Weight	200 to 1850 kg

NRG+ Lithium CPS

Where absolute reliability is paramount, the NRG+ CPS Li Central Power Supply System redefines emergency power systems with its state-of-the-art lithium technology and 15-year expected battery lifespan. Designed for critical applications, this advanced system provides an instant response, seamless energy backup and intelligent power management, ensuring uninterrupted operation when it matters most. The NRG+ CPS Li is fully compliant with the highest industry standards, including BS EN 50171 (Central Power Supply Systems), BS EN 62485-2 (safety requirements for secondary lithium batteries) and BS EN 62034 (automatic test systems for emergency lighting). It guarantees safety, performance and long-term reliability. Its robust design minimises maintenance while maximising efficiency, making it the ideal solution for:

- Industrial and manufacturing plants
- Healthcare facilities and data centers
- Public infrastructure and transport hubs
- Fail-safe power required in high-risk environments
- Real-time monitoring, remote diagnostics and scalable configurations

The NRG+ CPS Li is more than just a Central Power Supply System; it's a futureproof investment in resilience.

It is engineered for emergencies. Built to last. It is developed for compliance.







Nickel, Manganese and Cobalt 44 V 37 Ah block battery – sealed and leak-proof.



LiFePO4 25.6 V 105 Ah block battery - sealed and leak-proof.

Lithium battery advantages

- Absolutely gas-free and requires no ventilation
- Longer lifetime: over 15-year expected battery lifespan
- 2/3 less weight and space required
- Intelligent safety monitoring BMS
- Allows 90 % removable energy in 1 and 3 hours
- Ideal for installations with extended temperature ranges
- More sustainable and efficient overall

Intelligent safety technology BMS battery-management-system

Single Cell Monitoring: Each cell block is monitored at 100 %. In an emergency, the cell block is switched off and an error message is displayed on the unit.

- Monitoring
- Temperature
- Voltage
- Deep discharge protection
- Overcharge protection
- Short-circuit



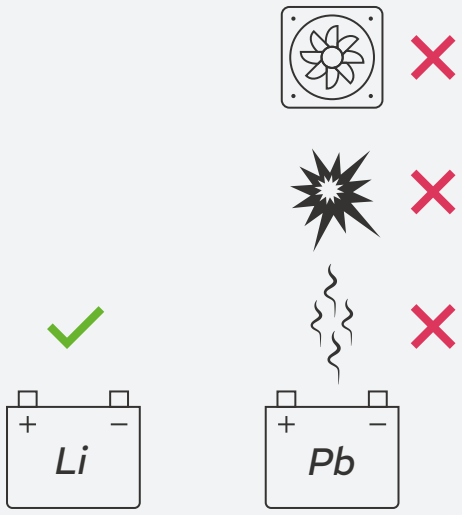
CPS Lithium controller UI

No ventilation and no air conditioning is required

During the charging process of a lead-acid battery, hydrogen and oxygen are released into the atmosphere through electrolysis, forming oxyhydrogen. The lower explosion limit of this hydrogen concentration is approximately 4 %. The resulting risks and specifications for venting are prescribed and mandatory in the BS EN 62485-2 standard.

Lithium advantage:

- No explosive hydrogen mixture or other hazardous substances are produced
- There is no need for ventilation or air conditioning



Lithium battery vs. traditional lead-acid battery

SAVING ON INSTALLATION AND OPERATING COSTS, AND AIR CONDITIONING

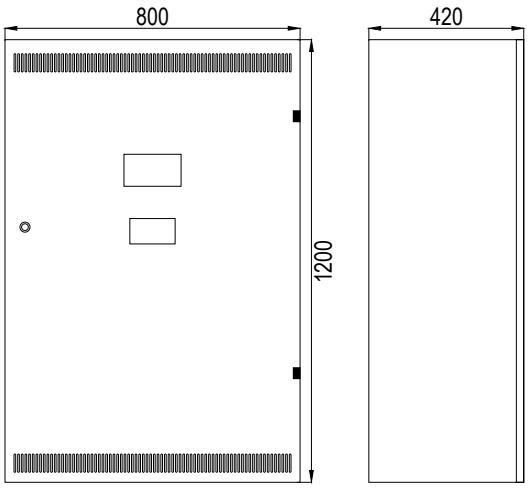
NRG+
CPS M60 Li



The NRG+ CPS M60 Li Central Power Supply System (CPS) is designed for use with emergency lighting.
It has outgoing circuits of 230 V AC and 216 V DC with integrated monitoring.
Powerline communication enables each luminaire to be programmed and monitored individually using an NRG+ addressable monitoring module, thereby eliminating the need for additional data cables (luminaire monitoring circuit).
Alternatively, it can be used to program and monitor each circuit individually (circuit monitoring), or both in combination.
Mixed operation is permitted within one circuit for maintained mode, non-maintained mode, switched maintained mode or time switch. A maximum of 20 non-addressable NRG luminaires or NRG+ addressable modules/luminaires can be connected per circuit with manual addressing.
User-friendly 7" Touchscreen Display and integrated Modbus interface.
Designed according to BS EN 50171, BS EN 62485-2, BS EN 62034.

Features

- Each circuit for max. 20 luminaires
- Single luminaire monitoring
- 8 freely programmable (potential-free) switching inputs
- 8 freely programmable relay outputs, 230 V / 2 A
- BUS connection for substations or external modules
- USB interface for a keyboard, mouse or USB flash drive
- TCP/IP interface for networking, visualisation or MODBUS
- Easy commissioning of the system via menu navigation
- Switching individual or grouped luminaires via switching inputs
- A simple yet powerful automatic luminaire search
- Menu for recognising duplicate addresses
- Automatic test equipment and an integrated test logbook
- Supervision software for visualisation and control of up to 253 systems
- Intelligent safety technology BMS battery-management-system with Single Cell Monitoring
- High-efficiency charging modules with temperature compensation
- Up to 6 circuits for substations



Technical specifications

Nominal input voltage	1~N/PE 230 V 50 Hz / 3~N/PE 400 V 50 Hz
Nominal output voltage	230 V AC / 220 V DC ±15 %
Outgoing circuits	6 A 1380 W or 3 A 690 W (max. up to 60 circuits)
Battery	NMC 5 x 44 V 37 Ah - 15 YEARS expected lifespan
Autonomy and power according EN 50171	1 h max. 5861 W - 3 h max. 1954 W
System standby power	1 h 152.3 W / 3 h 152.3 W
Charging time	12 h
Colour and material	RAL 7035 - galvanised and painted sheet steel
Interface	TCP / IP - MODBUS - USB
Operating temperature	CPS -10 °C to +50 °C, Batteries -5 °C to +50 °C
Cable entry	Top
Weight	130 kg

NRG+
CPS B72 Li

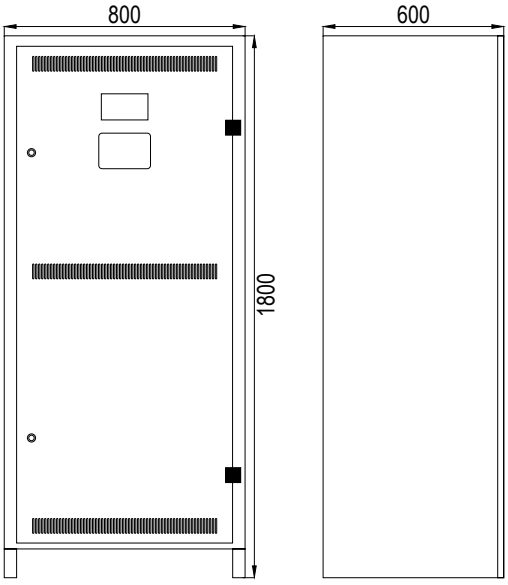
The NRG+ CPS B72 Li Central Power Supply System (CPS) is designed for use with emergency lighting.
It has outgoing circuits of 230 V AC and 216 V DC with integrated monitoring. Powerline communication enables each luminaire to be programmed and monitored individually using an NRG+ addressable monitoring module, thereby eliminating the need for additional data cables (luminaire monitoring circuit). Alternatively, it can be used to program and monitor each circuit individually (circuit monitoring), or both in combination.
Mixed operation is permitted within one circuit for maintained mode, non-maintained mode, switched maintained mode or time switch. A maximum of 20 non-addressable NRG luminaires or NRG+ addressable modules/luminaires can be connected per circuit with manual addressing.
User-friendly 7" Touchscreen Display and integrated Modbus interface.
Designed according to BS EN 50171, BS EN 62485-2, BS EN 62034.

IP20



Features

- Each circuit for max. 20 luminaires
- Single luminaire monitoring
- 8 freely programmable (potential-free) switching inputs
- 8 freely programmable relay outputs, 230 V / 2 A
- BUS connection for substations or external modules
- USB interface for a keyboard, mouse or USB flash drive
- TCP/IP interface for networking, visualisation or MODBUS
- Easy commissioning of the system via menu navigation
- Switching individual or grouped luminaires via switching inputs
- A simple yet powerful automatic luminaire search
- Menu for recognising duplicate addresses
- Automatic test equipment and an integrated test logbook
- Supervision software for visualisation and control of up to 253 systems
- Intelligent safety technology BMS battery-management-system with Single Cell Monitoring
- High-efficiency charging modules with temperature compensation
- Up to 6 circuits for substations



Technical specifications

Nominal input voltage	1~N/PE 230 V 50 Hz / 3~N/PE 400 V 50 Hz
Nominal output voltage	230 V AC / 230 V DC ±15 %
Outgoing circuits	6 A 1380 W or 3 A 690 W (max. up to 72 circuits)
Battery	LFP 9 x 25.6 V 105 Ah - 15 YEARS expected lifespan
Autonomy and power according EN 50171	1 h max. 16632 W - 3 h max. 5544 W
System standby power	1 h 218.3 W / 3 h 218.3 W
Charging time	12 h
Colour and material	RAL 7035 - galvanised and painted sheet steel
Interface	TCP / IP - MODBUS - USB
Operating temperature	CPS 0 °C to +50 °C, Batteries 0 °C to +50 °C
Cable entry	Top
Weight	200 kg

NRG+
FIREPROOF JUNCTION BOX



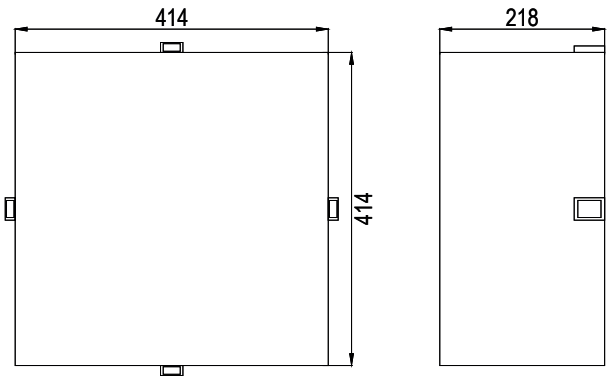
The fireproof junction box is required to connect substation panels in areas at risk of fire.

It has been approved by the Deutsches Institut für Bautechnik (DIBt – German Institute for Civil Engineering) for fire protection with a fire resistance rating of at least 30 minutes in the event of external fire exposure. Functional integrity exceeding 30 minutes has been certified in an expert opinion based on a fire test.

NRG+

Part No.	Description
JB00001	FIREPROOF J/BOX 30 MIN. G 1-1F
JB00002	FIREPROOF J/BOX 30 MIN. G 1-2F

Dimensions



Technical specifications

Colour	RAL 7035
Cable entry	Top - Bottom
Circuit	G 1-1F x1 - G 1-2F x 2
Weight	23 kg

NRG+
SUB S

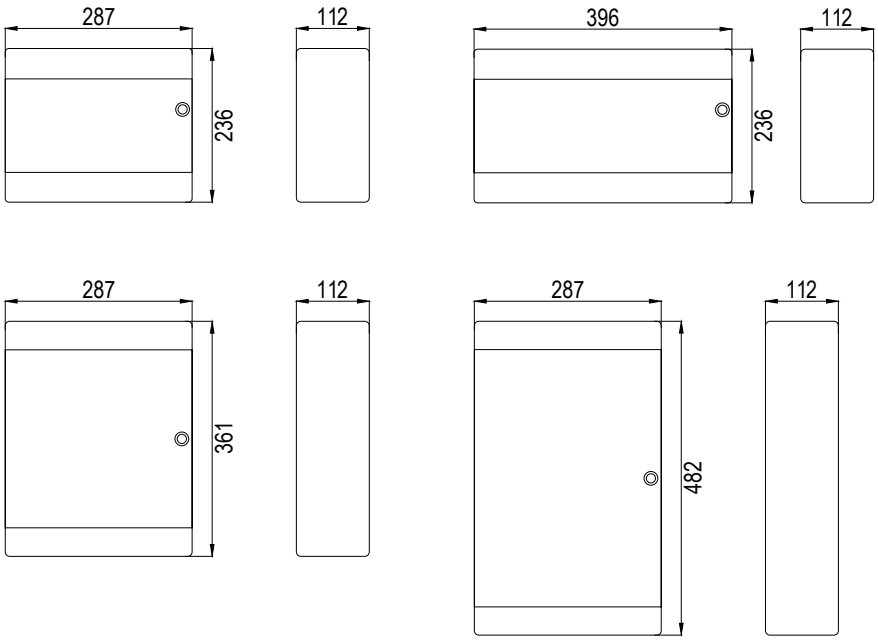


The substation NRG+ SUB S is a sub-distribution board designed for use with emergency lighting.
It has outgoing circuits of 230 V AC and 216 V DC with integrated monitoring. Powerline communication enables each luminaire to be programmed and monitored individually using an NRG+ addressable monitoring module, thereby eliminating the need for additional data cables (luminaire monitoring circuit). Alternatively, it can be used to program and monitor each circuit individually (circuit monitoring), or both in combination.
Mixed operation is permitted within one circuit for maintained mode, non-maintained mode, switched maintained mode or time switch. A maximum of 20 non-addressable NRG luminaires or NRG+ addressable modules/luminaires can be connected per circuit with manual addressing.

Designed according to BS EN 50171, BS EN 62034.



Dimensions



Technical specifications

Nominal input voltage	1~N/PE 230 V 50 Hz / 216 V DC
Nominal output voltag	230 V AC / 216 V DC ±15 %
Outgoing circuits	3 A 690 W from (max. up to 16 circuits)
Colour	RAL 9003
Material	ABS
Operating temperature (°C)	0 to +40
Cable entry	Top - Bottom
Weight	2 to 5 kg

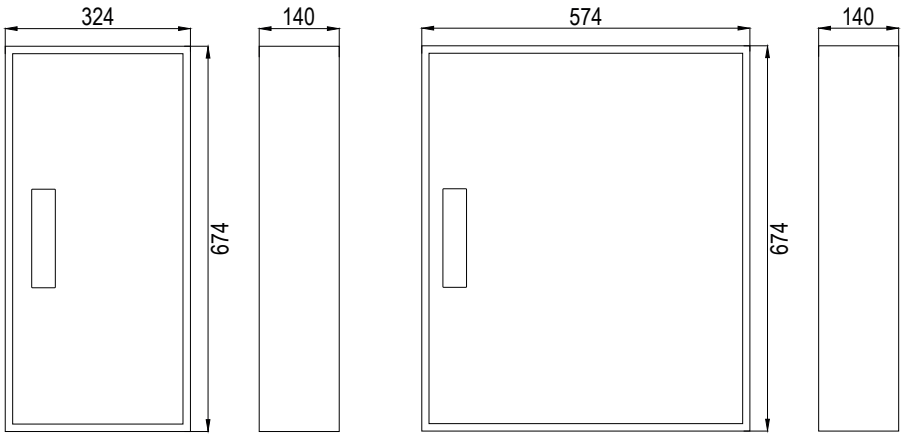
NRG+
SUB B



The substation NRG+ SUB B is a sub-distribution board designed for use with emergency lighting.
It has outgoing circuits of 230 V AC and 216 V DC with integrated monitoring.
Powerline communication enables each luminaire to be programmed and monitored individually using an NRG+ addressable monitoring module, thereby eliminating the need for additional data cables (luminaire monitoring circuit).
Alternatively, it can be used to program and monitor each circuit individually (circuit monitoring), or both in combination.
Mixed operation is permitted within one circuit for maintained mode, non-maintained mode, switched maintained mode or time switch. A maximum of 20 non-addressable NRG luminaires or NRG+ addressable modules/luminaires can be connected per circuit with manual addressing.

Designed according to BS EN 50171, BS EN 62034.

Dimensions





Technical specifications

Nominal input voltage	1~N/PE 230 V 50 Hz / 216 V DC
Nominal output voltag	230 V AC / 216 V DC ±15 %
Outgoing circuits	3 A 690 W from (max. up to 48 circuits)
Colour	RAL 9016
Material	Galvanised and painted sheet steel
Operating temperature (°C)	0 to +40
Cable entry	Top - Bottom
Weight	15 to 29 kg

NRG+
SKUi6A

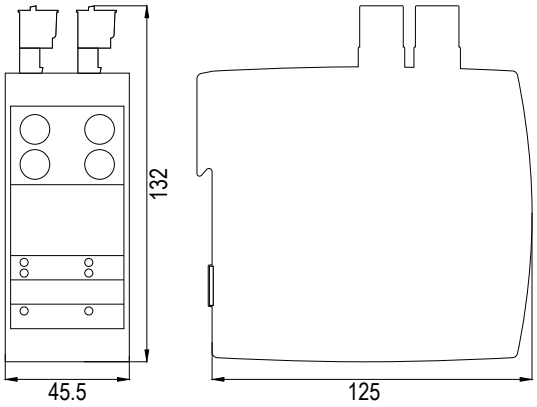


The NRG+ SKUi6A is an outgoing circuits module with powerline communication. It can be used to program and monitor each luminaire individually with an NRG+ addressable monitoring module, eliminating the need for additional data cables (luminaire monitoring circuit). It can also be used to program and monitor each circuit (circuit monitoring), or both in combination.It allows mixed operation within one circuit for maintained mode, non-maintained mode, switched maintained mode or time switch.A maximum of 20 non-addressable NRG luminaires or 20 NRG+ addressable modules/ luminaires can be connected per circuit with manual addressing. This enables the programming and monitoring of up to 20 safety luminaires and exit signs, eliminating the need for additional data cables.
Two versions are available: one with four 690 W circuits and one with two 1380 W circuits.

- AC/DC switching per module
- Easy access to the fuses
- Each circuit is fitted with an LED indicator to show its status
- Suitable for powering electronic ballasts and LED drivers
- The modules are wired up and connected to outgoing terminal blocks on the DIN rail
- Mounted on electrified track

Designed according to BS EN 50171, BS EN 62034.

Dimensions



Technical specifications

Nominal output voltag	230 VAC / 216 VDC ±15 %
Continuous current rating and power	2 x 6 A 1380 W
Fusing	10 AT / 6.3 x 32
Max. inrush current	500 A - 250 µS per circuit
Nominal switch over time	AC / DC approx. 450 ms
Max. cunsumption	1.4 W
Color	RAL 7035
Material	PC
Operating temperature	-40 to +85
Weight (kg)	0.3

NRG+
SKUi

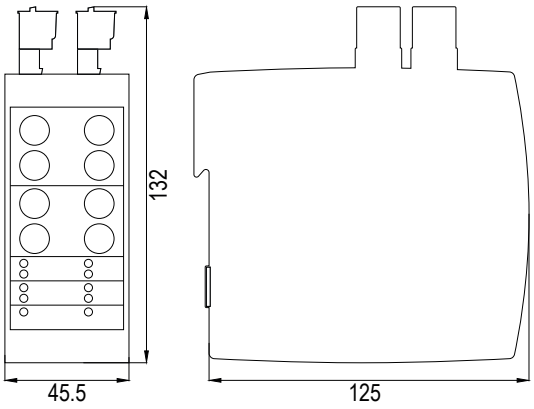


The NRG+ SKUi is an outgoing circuits module with powerline communication. It can be used to program and monitor each luminaire individually with an NRG+ addressable monitoring module, eliminating the need for additional data cables (luminaire monitoring circuit). It can also be used to program and monitor each circuit (circuit monitoring), or both in combination.It allows mixed operation within one circuit for maintained mode, non-maintained mode, switched maintained mode or time switch.A maximum of 20 non-addressable NRG luminaires or 20 NRG+ addressable modules/ luminaires can be connected per circuit with manual addressing. This enables the programming and monitoring of up to 20 safety luminaires and exit signs, eliminating the need for additional data cables.
Two versions are available: one with four 690 W circuits and one with two 1380 W circuits.

- AC/DC switching per module
- Easy access to the fuses
- Each circuit is fitted with an LED indicator to show its status
- Suitable for powering electronic ballasts and LED drivers
- The modules are wired up and connected to outgoing terminal blocks on the DIN rail
- Mounted on electrified track

Designed according to BS EN 50171, BS EN 62034.

Dimensions



Technical specifications

Nominal output voltag	230 VAC / 216 VDC ±15 %
Continuous current rating and power	4 x 3 A 690 W
Fusing	10 AT / 6.3 x 32
Max. inrush current	250 A - 250 µS per circuit
Nominal switch over time	AC /DC approx. 450 ms
Max. cunsumption	2.15 W
Color	RAL 7035
Material	PC
Operating temperature	-40 to +85
Weight (kg)	0.3

NRG+
IOe24

The NRG+ IOe24 is a light switch query module featuring eight control inputs. Each input can be configured as a current loop function or programmed to switch groups or individual luminaires on and off.
The function and logic of the control inputs, as well as their assignment to luminaire circuits or individual luminaires, can be freely programmed.
It is possible to provide an individual description for each input.
The IOe24 also has three digital outputs with potential-free changeover contacts.
These outputs can be configured as required in the CPS and LPS units.
The status LEDs display information about how the device is operating.
During normal operation, the green LED flashes each time the module queries a BUS signal (approximately every 100 ms).
The red LED lights up when the module itself is faulty or the bus is inactive.
The two rotary switches are used to set a unique address for each IOe24 in the system (addresses 1–99).

Part No.	Description
CLA15001	NRG + IOe24 LIGHT SWITCH QUERY MODULE



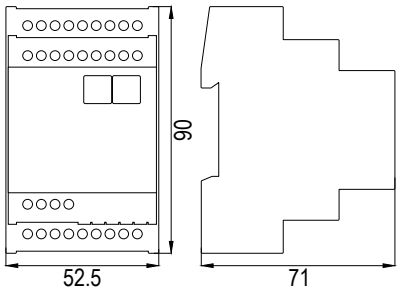
IOe24

- 8 potential free inputs
- Interrupting DALI BUS
- Each input is freely programmable
- Light switch
- Sub-circuit monitoring
- Programming of circuit or group switching for luminaires

Technical specifications

Nominal input voltage	24 V DC
Inputs	8 x potential free
Changeover contacts	3 x 6 A 250 V
Max. length RS 485 BUS	1000 m
RS 485 connection cable	4 x 2 x 0.8 mm² twisted-pair
Power consumption	1.45 W
Colour	RAL 7035
Material	PC
Operating temperature	-40 °C to +85 °C
Weight	0.17 kg

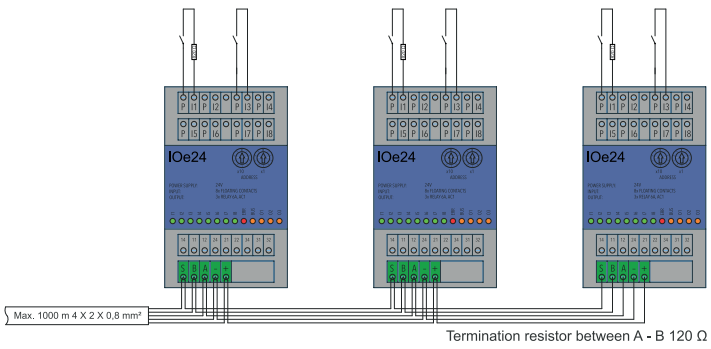
Dimensions



Additional information

IN 1 - 8	8 x digital input configurable as: IN to P closed = 1 IN to P closed = 0 (inverted) IN to P with 82 R as current loop
OUT 01 - 03	3 x digital output with potential-free change over contacts 11 – 12: normally closed (nc) 11 – 14: normally open contact (no)
LED status inputs	Normal function: P - I bridged = LED on P - I open = LED off Current loop function: P - I bridged with R 820 R = LED on P - I short-circuited = LED flashes quickly P - I open = LED flashes
LED status outputs „01 - 03"	Indicator lights up on active output
LED status „Error"	Off – BUS error-free On: errors detected
LED status „BUS"	Flashes during BUS activity

Wiring diagram



NRG+
IOe230-S

The NRG+ IOe230-S is a light switch query module with eight control inputs, each of which can monitor the 230 V mains voltage.
These inputs can be programmed to switch groups or individual luminaires on and off.
The function and logic of the control inputs, as well as their assignment to luminaire circuits or individual luminaires, can be freely programmed.
It is possible to provide an individual description for each input.
The IOe230-S also has three digital outputs with potential-free changeover contacts.
These outputs can be configured as required in the CPS and LPS units.
If the voltage falls below the lower threshold value or is interrupted, the corresponding green LED on the front of the module will go out.
The status LEDs display information about how the device is operating.
During normal operation, the green LED flashes each time the module queries a BUS signal (approximately every 100 ms).
The red LED lights up when the module itself is faulty or the bus is inactive.
The two rotary switches are used to set a unique address for each IOe230-S in the system (addresses 1–99).

Part No.	Description
CLA15002	NRG + IOe230-S LIGHT SWITCH QUERY MODULE



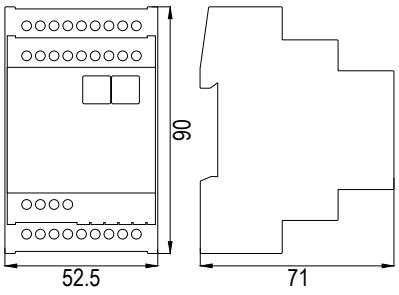
IOe230-S

- 8 x 230 V 50 Hz inputs
- Useable as mains monitoring module
- Interrupting DALI BUS
- Each input freely programmable
- Light switch
- Sub-circuit monitoring
- Programming of circuit or group switching for luminaires

Technical specifications

Nominal input voltage	24 V DC
Inputs	8 x 230 V 50 Hz
Changeover contacts	3 x 6 A 250 V
Max. length RS 485 BUS	1000 m
RS 485 connection cable	4 x 2 x 0.8 mm² twisted-pair
Power consumption	1.45 W
Colour	RAL 7035
Material	PC
Operating temperature	-40 °C to +85 °C
Weight	0.17 kg

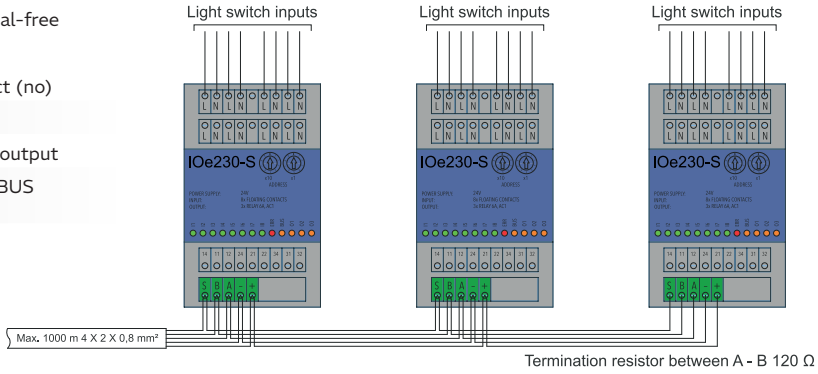
Dimensions



Additional information

IN 1 - 8	8 x 230 V 50 Hz imputs
OUT 01 - 03	3 digital output with potential-free changeover contacts 11 - 12: normally closed (nc) 11 - 14: normally open contact (no)
LED status inputs	> 185 V = LED on
LED status outputs „01 - 03"	Indicator lights up on active output
LED status „Error"	Off - BUS error-free / On – BUS errors detected
LED status „BUS"	Flashes during BUS activity

Wiring diagram



NRG+
BNW-S

The NRG+ BNW-S is an addressable mains monitoring module for single-phase and three-phase systems.
It activates in the event of mains faults and failures with U < 85% Unominal.
The status LEDs display information about the device's operation.
During normal operation, the green LED flashes each time the module queries a bus signal (approximately every 100 ms).
The red LED lights up when the module itself is faulty or the BUS is inactive.
The two rotary switches are used to set a unique address for each BNW-S in the system (addresses 1–99).

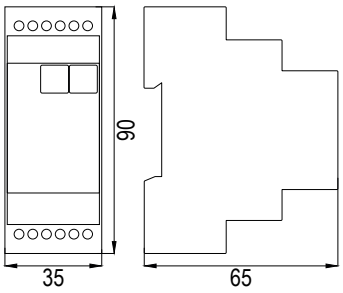


NRG+	Part No.	Description
	CLA15000	NRG + BNW-S MAINS MONITORING MODULE

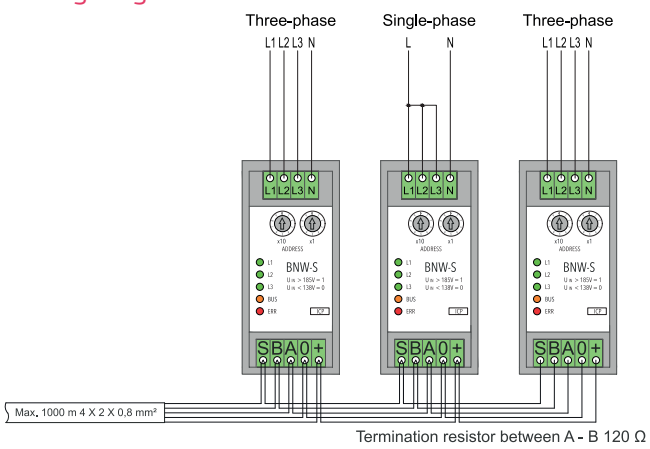
Technical specifications

Nominal input voltage	24 V DC
Mains voltage monitoring	1~N 230 V 50 Hz or 3~N 230/400 V 50 Hz
Max. length RS 485 BUS	1000 m
RS 485 connection cable	4 x 2 x 0.8 mm² twisted-pair
Power consumption	1 W
Colour	RAL 7035
Material	PC
Operating temperature	-40 °C to +85 °C
Weight	0.076 kg

Dimensions

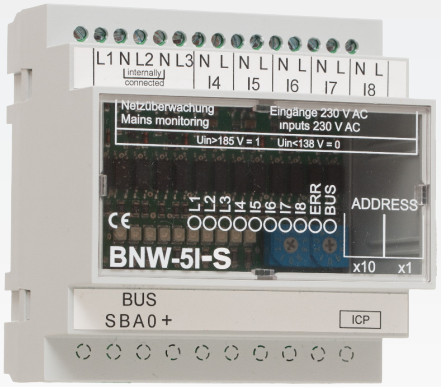


Wiring diagram



NRG+
BNW-5i-S

The NRG+ BNW-5i-S is an addressable, three-phase mains monitoring module with five additional inputs for DB monitoring.
It activates in the event of mains faults and failures with U < 85% Unominal.
The status LEDs display information about the device's operation.
During normal operation, the green LED flashes each time the module queries a bus signal (approximately every 100 ms).
The red LED lights up when the module itself is faulty or the BUS is inactive.
The two rotary switches are used to set a unique address for each BNW-S in the system (addresses 1–99).

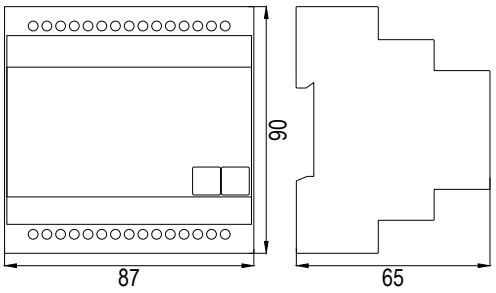


NRG+	Part No.	Description
	CLA15009	NRG + BNW-5i-S MAINS MONITORING MODULE

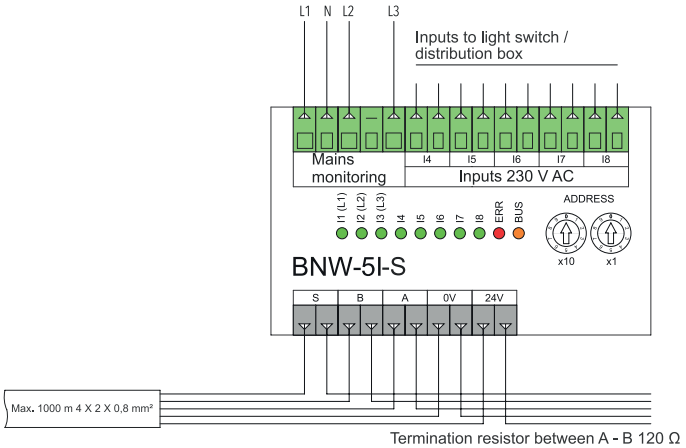
Technical specifications

Nominal input voltage	24 V DC
Mains voltage monitoring	1~N 230 V 50 Hz or 3~N 230/400 V 50Hz
Max. length RS 485 BUS	1000 m
RS 485 connection cable	4 x 2 x 0.8 mm² twisted-pair
Power consumption	1 W
Colour	RAL 7035
Material	PC
Operating temperature	-40 °C to +85 °C
Weight	0.146 kg

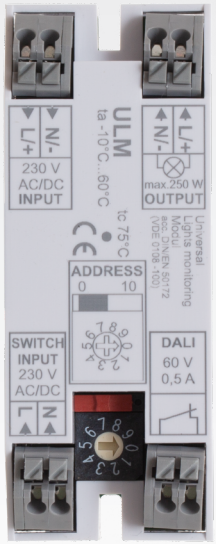
Dimensions



Wiring diagram



NRG+
ULM addressable module



The NRG+ ULM Addressable Monitoring Module is compatible with both DALI and standard electronic ballasts or LED drivers.
Each outgoing circuit of the NRG+ LPS or CPS can support up to 20 ULM modules.
NRG+ ULM modules can operate in either maintained or non-maintained mode, enabling mixed switching modes to be programmed freely per luminaire on one circuit.It is a universal monitoring module for loads ranging from 1 to 250 W.
Designed according to BS EN 60598-2-22.

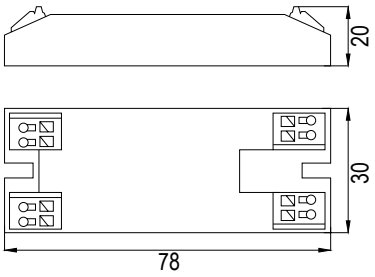
NRG+

Part No.	Description
CLA15005	NRG + ULM ADDRESSABLE MODULE

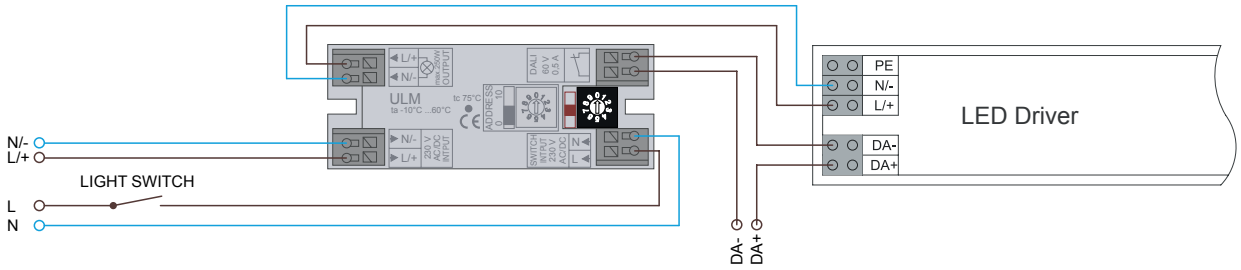
Technical specifications

Nominal input voltage	230 V AC / 216 V DC ±15 %
Local switch input	230 V AC
Colour	RAL 9003
Material	PC
Operating temperature	-10 °C to +50 °C
Connectable load and Max. inrush current	1 to 250 W – Max. 125 A 200 µs
Weight	0.028 kg

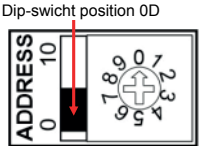
Dimensions



Wiring diagram

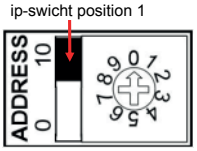


Dip-swicht position 0D



Address 1 - 9 luminaire 1 - 9
Address 0 luminaire 20

ip-swicht position 1

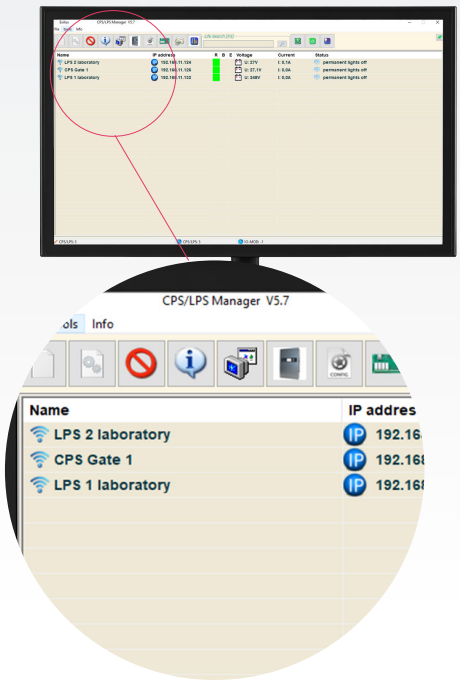


Address 0 - 9
luminaire 10 - 19

NRG+ NRG

NRG+
PC visualisation software

The NRG+ PC Visualisation Software is a control and monitoring system designed for emergency safety lights and exit signs.
It can connect to a maximum of 253 NRG+ LPS and CPS systems.
The software carries out automatic function and duration tests and records the results in a logbook.
This helps building managers comply with regulations and provides them with greater oversight and control of the building's units.



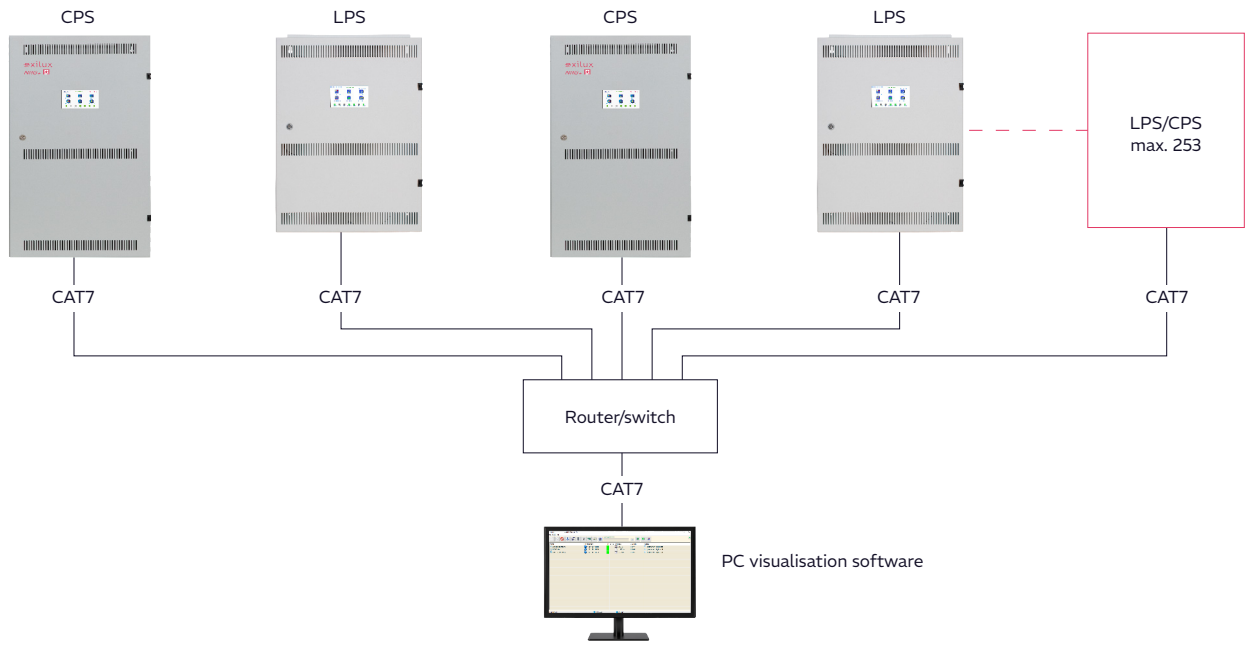
NRG+

Part No.	Description
CLA15008	NRG + PC VISUALISATION SOFTWARE

Features

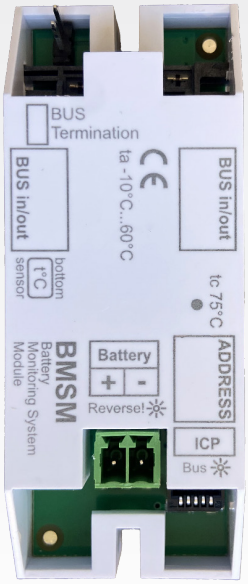
- Remote control of the NRG+ LPS and CPS via a VNC connection
- Display of unit status, error messages, and all relevant operating data
- Programming of the NRG+ LPS and CPS
- Automatic programming and installation
- Optional: Send emails in the event of faults
- Optional: Acoustic message in the event of faults
- Background operation notification
- Connect via LAN or WiFi
- Network via an existing LAN network or a simple switch network
- Easily install with an automatic scan of all connected devices
- Access any device directly
- High-security data exchange only via a password-protected port (SSH)

Wiring diagram



NRG+
Battery monitoring

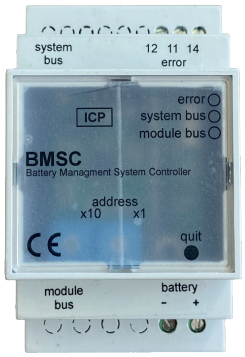
The NRG+ Battery Monitoring Modules tracks the performance and condition of each battery block in real time.
It provides comprehensive supervision of voltage, charging current and temperature.
This monitoring helps ensure optimal performance and longevity of the battery.
Two versions are available: one for 18 batteries and one for 36.
Designed according to BS EN 50171.



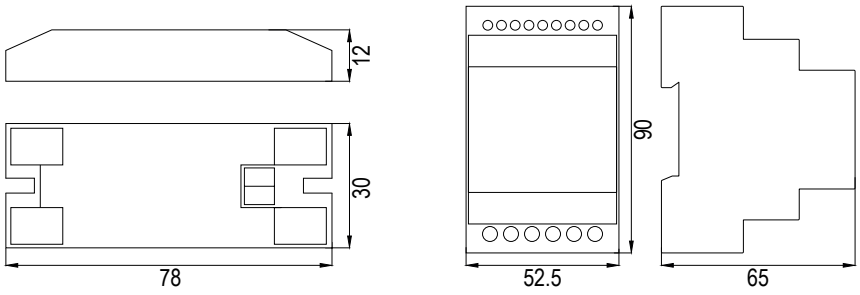
NRG+	Part No.	Description
	CLA15006	NRG + BATTERY MONITORING 18 BATTERIES
	CLA15007	NRG + BATTERY MONITORING 36 BATTERIES

Features

- Periodically monitor the battery block voltages
- A message will appear if the voltage of the battery deviates from the expected level
- Manually reset of the error message
- Recording of battery block voltages at five-minute intervals during duration tests
- Monitoring of battery block temperature



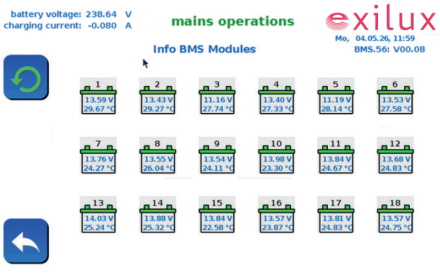
Dimensions



Battery monitoring module **Controller module**

Technical specifications

Nominal input voltage	12 V DC
Colour	RAL 9003
Power consumption	0.12 W at 12V
Material	PC
Insulation class	II
Operating temperature	-10 °C to +60 °C
Weight	B. module 0.02 kg - C. module 0.095 kg

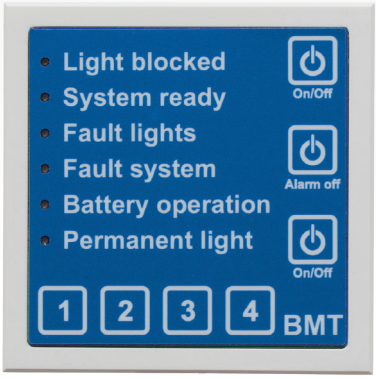


NRG+
Remote panel



The NRG+ Remote Panel is a visual and acoustic mimic panel for displaying the status of NRG+ LPS or CPS systems via RS485 BUS messages.
It is available in two versions: a wall-mounted version and a recessed version.
The remote panel is equipped with buttons for setting a password, as well as switches for turning the units on and off, and resetting alarms.

Designed according to BS EN 50172.

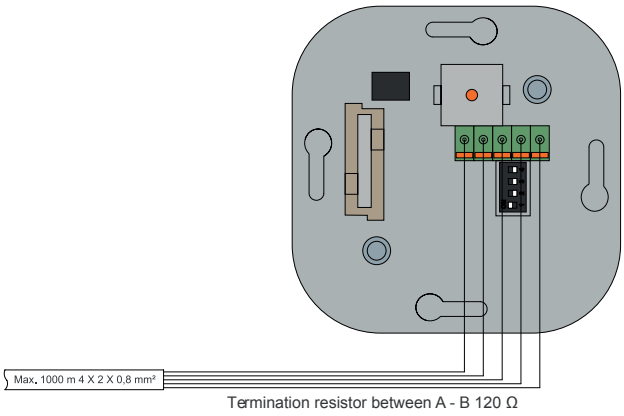


NRG+	Part No.	Description
	CLA15003	NRG + REMOTE PANEL BMT-V2 RC
	CLA15004	NRG + REMOTE PANEL BMT-V2 WL

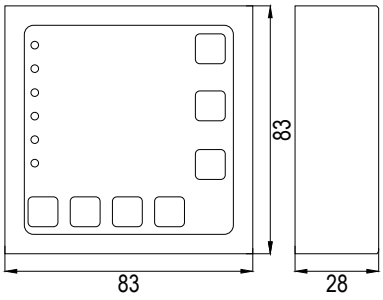
Technical specifications

Nominal input voltage	24 V DC
Max. length RS 485 BUS	1000 m
RS 485 connection cable	4 x 2 x 0.8 mm² twisted-pair
Power consumption	1.45 W
Colour	RAL 9003
Material	PC
Operating temperature	-10 °C to +50 °C
Weight	BMT-V2-RC 0.094 kg - BMT-V2-WL 0.158 kg

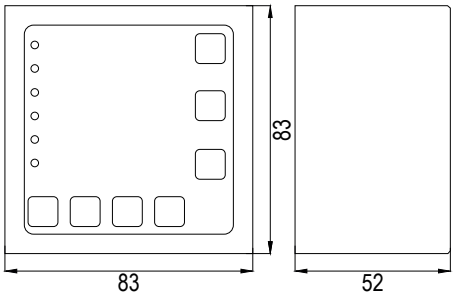
Wiring diagram



Dimensions



BMT-V2-RC



BMT-V2-WL

NRG+
Remote panel display

The NRG+ REMOTE PANEL DISPLAY is a centralised interface for controlling and monitoring NRG+ LPS and CPS systems. It features a user-friendly 7-inch touchscreen. The interface enables you to interact with the units, initiate group, duration and function tests and identify system faults from a single point, as well as providing a digital test logbook.

NRG+

Part No.	Description
CLA15012	NRG + REMOTE PANEL DISPLAY BT-99
CLA15013	NRG + BUS COUPLER BT-M

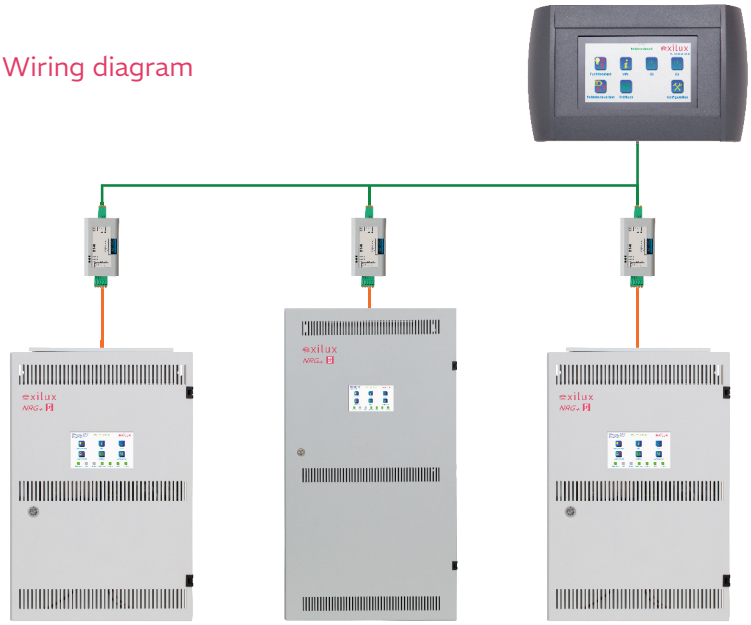
Features

- Start duration test
- Start function test
- Switch the non-maintained luminaires on or off
- Switch the maintained luminaires on or off
- All of the above functions can be implemented individually, in groups or across entire systems

Technical specifications

Nominal input voltage	1~N/PE 230 V 50 Hz or 24 V DC
Max. length RS 485 BUS	1000 m
RS 485 connection cable	4 x 2 x 0.8 mm² twisted-pair
Power consumption	8.0 W
Colour	RAL 7016
Material	PVC
Operating temperature	0 °C to +40 °C
Weight	BT-99 0.99 kg - BT-M 0.090 kg

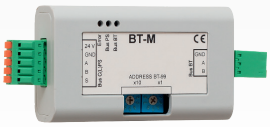
Wiring diagram



NRG NRG+ IP40 IP20

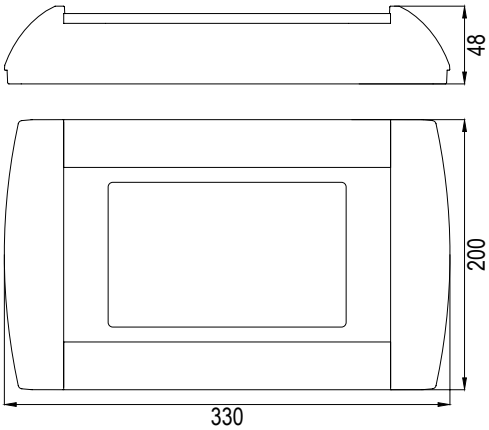


IP40

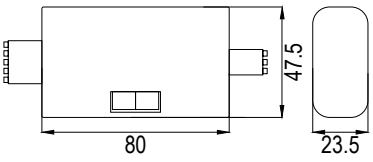


IP20

Dimensions



BT-99



BT-M

Brighter ideas.



exilux

+44 (0) 1698 844700 • hello@exilux.co.uk • www.exilux.co.uk
Suite 45, Grovewood Business Centre, Wren Court, Strathclyde Business Park, Bellshill ML4 3NQ