WEOZ™

The intelligent building manager

YOUR SOLUTION
FOR EFFICIENT SPACES

Optimise energy efficiency

Comply with new environmental regulations

Reduce operational costs

Reduce CO_2 footprint

Improve occupant well-being

#legrand**ImprovingLives**

L¹ legrand®

1

EMBRACE A COMPREHENSIVE SOLUTION FOR EFFICIENCY

2

MAKE INTELLIGENCE FLOW THROUGH A NETWORK OF IOT AREA MANAGERS

3

KEEP EVERYTHING UNDER CONTROL WITH THE APP AND THE DASHBOARD MANAGER

4

COLLECT RELEVANT, ACTIONABLE DATA FROM EVERY ROOM

5

OPTIMIZE HVAC, LIGHTING, AND AIR QUALITY

ARE YOU A BUILDING OR FACILITY MANAGER ?

Get ready for:

- **Easy, independent management,** thanks to automated processes and alerts embedded into a user-friendly dashboard.
- **Remote access on desktop and app** for freedom of movement, peace of mind, and real-time control and monitoring.

ARE YOU AN ELECTRICAL CONTRACTOR?

Enjoy:

- **Quick, simple, and non-intrusive installation** compatible with existing, renovated and new buildings.
- **Fully scalable installation according to needs,** and easily managed from a single dashboard.

Find your own space for improvement

The intelligent building manager fully designed with sustainability, user autonomy and operational efficiency in mind.

While every business is well aware of pressing environmental challenges, and faces demanding regulations, some cannot afford the investment and complexity of traditional BMS solutions.

With WEOZ™ system, Legrand offers an affordable and empowering solution to meet the needs of small and medium spaces, as well as multi-site building management.

Well suited to your budget and requirements, it is a game changer for operational efficiency and the occupant well-being.

ARE YOU A REAL ESTATE DEVELOPMENT INVESTOR?
Make the smart move:

- **An affordable energy-efficient solution,** up to 5 times less expensive than a traditional BMS.
- **Compliance with new environmental legislation**, helping you reach new greenhouse gas emission standards.

WEOZ™ is suitable for workspaces such as offices, schools, restaurant, retail shops.
Enjoy multi-site remote access and compare energy-efficiency across sites.

Embrace
a comprehensive
solution for efficiency

Introducing WEOZ™, a groundbreaking solution for energy-efficient spaces.

Discover a powerful, yet easily managed IoT ecosystem centred around a network of area managers.
Bring your building management to the next level with an affordable and reliable solution, suitable for small installations.

Secure by design

In accordance with Legrand's cyber security policy, WEOZ™ has successfully undergone information system security audits by accredited service providers.

1
COMBINE ALL FUNCTIONS NEEDED TO ACHIEVE ENERGY EFFICIENCY.

LIGHT UP
LIGHTING CONTROL

EMDX^3/EMS CX^3
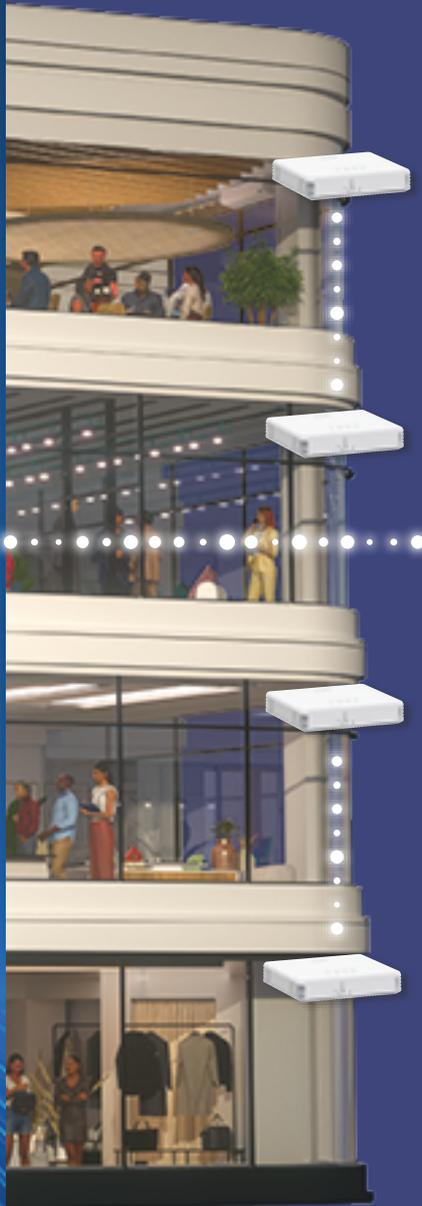METERING

AIRZONE
HVAC CONTROL

2
SET UP A NETWORK OF CONNECTED MULTI-PROTOCOL AREA MANAGERS THANKS TO EDGE DATA AND RULES MANAGEMENT.

3
SCALE UP ACCORDING TO NEEDS OVER WIRED IP OR WI-FI.

4
ENJOY MULTI-SITE AND MULTI-PROFILE REMOTE ACCESS.

zigbee

AREA
MANAGER

Modbus

ZWAVE

DASHBOARD
& APP

Make intelligence flow through a network of IoT area managers

A smart, scalable, ecosystem to store, process and share data.

Area Manager*

- Multi-protocol: Z-wave, Zigbee, Modbus RTU, Modbus IP
- Wi-Fi, Ethernet
- Up to 20 wireless devices + 100 Modbus points
- Edge management of data and rules
- Local communication between area managers
- Communication with dashboard through Legrand Cloud

*Initial training (proposed by Legrand Services) on the WEOZ solution is require

Area managers communicate through Wi-Fi or Ethernet making it suitable for both existing and new buildings.

Keep everything under control with the app and the building manager portal

Building management made easy, always on hand.
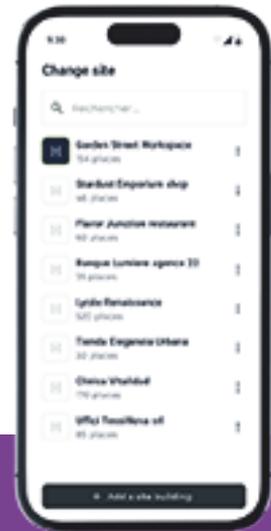

Building Manager portal*

- Multi-site management
- Multi-profile users
- Site creation
- Rule definition
- Report generation
- Site analysis
- Mainly for use on site or at the office
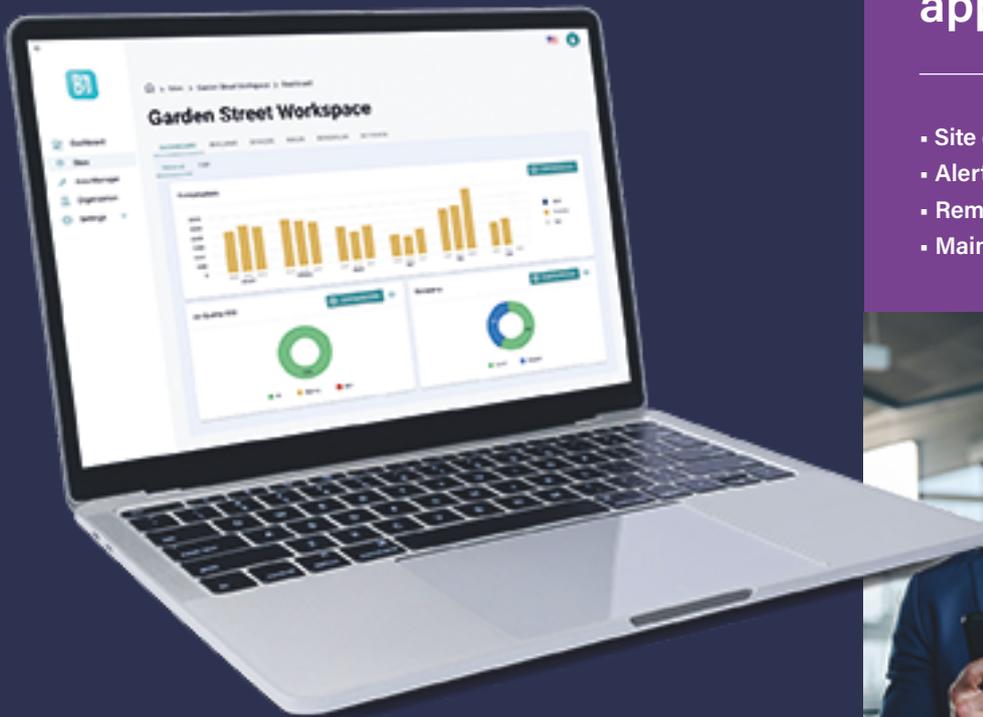
*Free for commissioning, annual subscription fee for use.

Building +Manager app

- Site commissioning (even offline)
- Alerts
- Remote control
- Mainly for remote or mobile use

Collect relevant, actionable data from every room

Light Up and metering devices precisely inform your decision-making.

Light Up range

- **Occupancy data**
  Collect data regarding space occupancy in every room and ensure precise people counting.

- **Environmental data**
  Collect data about temperature, humidity and noise in every single space.

LIGHT UP
OCCUPANCY - MULTISENSOR - CORRIDOR - ADVANCED

Metering range

- **Collect data about consumption of single lines (HVAC, lighting,...) to the individual desk socket.**

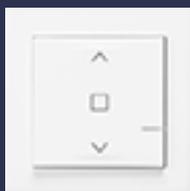EMDX^3 EMS CX^3 CONNECTED SOCKET

Optimise HVAC, lighting and air quality

Light Up and Airzone adjust for occupant comfort and energy savings in real-time.

Lighting control

- ON-OFF - DALI2
- Presence and absence mode
- Daylight harvesting
- Master – slave
- Shutter control with wireless switch

AIDOO Z-WAVE

AIDOO PRO FAN COIL

ZONING SYSTEMS

HVAC - Airzone

Airzone is a leading Spanish company providing integration and control solutions for HVAC. WEOZ™ is compatible with the full portfolio of Airzone solutions.

AIDOO Z-WAVE
A plug-and-play solution compatible with main HVAC brand manufacturers to control individual direct explanation indoor units.

AIDOO PRO FAN COIL
Solution for all type of FCU (2/4 pipes, ON-OFF, 0-10V).

ZONING SYSTEMS
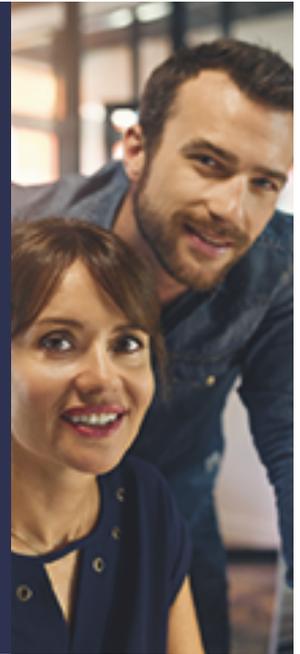For more sophisticated solution combining different type of HVAC.

Set up
a solution
that
suits you

Find out how WEOZ™ easily adapts
to the most common challenges.

FOR MORE DETAILED CASE STUDIES,
GO TO WWW.LEGRAND.COM

Offices

Connect energy savings to
occupation rates, to create
a comfortable and flexible
workplace.

WEOZ™ improves your building's energy efficiency while maintaining a productive and stimulating office environment well-suited for frequent layout changes.

TECHNICAL SOLUTION

- ■ **LIGHT UP OCCUPANCY** for presence detection in all spaces, **DALI Control** for people counting in open spaces, and **ON-OFF** in circulation areas.
- ■ **LIGHT UP MULTISENSOR** to monitor presence, air quality and noise in meeting rooms and open spaces.
- ■ **AIRZONE AIDOO Z-WAVE** to integrate HVAC in every space.
- ■ **EMDX³** single-phase meters to monitor HVAC, lighting and socket consumption.
- ■ **BUILDING MANAGER PORTAL** to monitor, receive alerts, analyse and take action.

BENEFITS

Energy savings:
- Optimise lighting and HVAC in every space based on real occupancy.
- Leverage daylight harvesting with DALI control in working spaces.

Better understanding of the building:
- Visualise the real use of your office spaces by monitoring energy consumption and occupancy, and by counting people in open spaces.

Well-being in office spaces:
- Improve employee well-being by monitoring air quality in meeting rooms, and noise in open spaces.

Schools

Adapt to a variety of uses and schedules to meet your savings targets, while providing a good learning environment.

WEOZ™ optimises energy efficiency in different spaces, such as classrooms, staff offices or gyms, making it easy to integrate a variety of daily and yearly school schedules, adapt to different lesson types, and improve well-being and engagement.

TECHNICAL SOLUTION

- **LIGHT UP MULTISENSORS** to monitor presence, air quality and noise in classrooms; with DALI multi-cast to provide proper lighting in different areas (near windows, along corridors, at the front of classrooms); with manual control to adapt lighting to lesson requirements.
- **LIGHT UP OCCUPANCY** for presence detection in all spaces, with **DALI control** in workspaces and **ON-OFF** in circulation areas as well as lavatories.
- **AIRZONE AIDOO PRO FAN COIL** with hidden temperature sensors to integrate HVAC in every space.
- **EMDX³** single phase meters to monitor HVAC, lighting and socket consumption.
- **BUILDING MANAGER PORTAL** to monitor, receive alerts, analyse and take action.

BENEFITS

Energy savings:
- Leverage daylight harvesting by managing lighting and HVAC according to real occupancy, and using DALI control in classrooms.
- Optimise energy consumption according to school calendars, and adapt schedules to classrooms and staff spaces.

Better understanding of the building:
- Visualise the real use of each space by monitoring presence and consumption according to specific usage (HVAC, lights...).

Classroom well-being:
- Improve teacher and student well-being by monitoring air quality and noise.

Restaurants

Improve your energy efficiency while promoting a welcoming atmosphere and an efficient kitchen.

WEOZ™ optimises every aspect of your business energy consumption, from kitchen to restaurant areas. It helps you ensure efficient and comfortable working conditions for your staff, and a pleasant meal experience for your guests.

TECHNICAL SOLUTION

- **LIGHT UP OCCUPANCY** for presence detection in service spaces, **DALI control** in the kitchen, and **ON-OFF** in circulation areas, lavatories and storage rooms.
- **AIRZONE AIDOO Z-WAVE** in every space.
- **EMS CX³** to monitor HVAC, lighting and appliances (refrigerators, ovens,...).
- **BUILDING MANAGER PORTAL** to monitor, receive alerts, analyse and take action.

BENEFITS

Energy savings:
- Optimise lighting and HVAC based on real occupancy.
- Optimise heating based on restaurant schedules, opening hours, and activity in kitchen and guest spaces.
- Identify anomalies in appliance consumption, and call for maintenance or replacement.

Better understanding of the building:
- Measure the real use of spaces by monitoring presence and consumption according to specific usage (HVAC, lighting...).

Customer well-being:
- Pre-heat or cool guest spaces depending on schedules.

Multi-retail

Optimise energy efficiency while ensuring customer well-being, and get comparative insight about conditions in similar shops.

WEOZ™ is you with a multi-site comprehensive solution that helps you understand and improve your energy efficiency, while making sure your clients enjoy a comfortable shopping experience.

TECHNICAL SOLUTION

- **LIGHT UP OCCUPANCY** ON-OFF for presence detection in circulation areas (lavatories, storage rooms).
- **LIGHT UP ADVANCED** for people counting in retail shops.
- **AIRZONE AIDOO Z-WAVE** in every space.
- **EMDX3** single-phase meters to monitor HVAC and lighting.
- **BUILDING MANAGER PORTAL** to monitor, receive alerts, analyse and take action.

BENEFITS

Energy savings:
- Optimise lighting and HVAC based on real occupancy.
- Optimise heating based on each retail shop calendar and opening hours.
- Pinpoint differences and test different actions in different shops before applying the best option to all.

Better understanding of the building:
- Measure real visitor impact per area by monitoring consumption according to specific usage (HVAC, lights…) and counting people.

Shopper well-being:
- Adjust HVAC default settings depending on real in-shop conditions (vs. outside temperatures) and number of visitors.

ARE YOU A BUILDING OR FACILITY MANAGER?

Thanks to Weoz you can optimize the operational costs of the building.

Subscribing permit you to be alerted, collect data, understand better your buildings and put in place actions to save energy and be more reactive in grantee the building operations.
Regular updates for new functions.

ARE YOU AN ELECTRICAL CONTRACTOR?

Thanks to Weoz you can start or do better maintenance service for your customers.

Subscribing permit you to access from remote to all sites and save time without going on site for simple fine tuning but important for your customer to save energy and optimize the building.

ARE YOU A REAL ESTATE DEVELOPMENT INVESTOR?

Thanks to Weoz you can reduce the initial investment for a building automation system and let the user subscribe to optimize operational cost.

WEOZ Subscription:
a unique one, integrating everything is needed to manage and optimize the building

FUNCTIONS / STATUS	SITE ACTIVATED **SUBSCRIPTION ACTIVATED** CONNECTED TO INTERNET	SITE ACTIVATED **EXPIRED SUBSCRIPTION** CONNECTED TO INTERNET
Create / modify / view site structure on the portal	✓	✓
Link new products via the B+M app	✓	–
Remote access (multi user, multi site)	✓	–
View real time data (widget, building and device view)	✓	–
Exporting data	✓	–
Data records	✓	10 000 last events per AM until **subscription** reactivation
Send commands	✓	–
Get notifications	✓	–
Rules in operation within an Area Manager	✓	–
Rules in operation between Area Managers	✓	–
Fonctional sub-systems (Light Up, HVAC system, metering) once configured	✓	✓
All protocols included (Zigbee, Z-wave, modbus RTU, Modbus IP, Airzone local API)	✓	✓
20 wireless devices + 100 points (modbus RTU or IP)	✓	✓

It's needed one **subscription** per each Area Manager

Comply with new environmental regulations

The European Energy Performance of Buildings Directive (EPBD) is a set of regulations designed to improve the energy performance of buildings in the European Union.

Aiming to achieve a fully decarbonised building stock by 2050, the Energy Performance of Buildings Directive contributes directly to the EU's energy and climate goals.

As part of the Energy Performance of Buildings Directive (EPBD), the European Union has introduced a set of standards for calculating the energy performance of buildings. The new EN ISO 52120-1 standard, which replaces the old EN 15232-1 standard, focuses more specifically on the assessment and classification of building automation systems (class A, B, C, D).

Get eligible to Class A or B

WEOZ™ is designed to play an important role in helping buildings meet the requirements of the European Energy Performance of Buildings Directive (EPBD).

WITH WEOZ™, GET READY FOR THE EPBD

Collect data on the energy consumption of different building systems, such as heating, cooling, lighting and ventilation. Use data to identify areas where energy efficiency can be improved.

Automatically adjust the parameters of building systems to optimize their energy efficiency. For example, reducing heating or cooling when a room is unoccupied.

Help your buildings meet EPBD requirements. By optimizing the performance of building systems and providing information to occupants, WEOZ™ can help reduce energy consumption, energy costs and greenhouse gas emissions, while improving occupant comfort and building value.

With WEOZ™ solution, your building is eligible for Class A or B in accordance with EN ISO 52120-1.

Improve
your WEOZ™ experience

Get Legrand support services

Our local teams are available to provide bespoke support at every stage of your WEOZ™ project.

ASK US ABOUT:

- Design
- Quotation
- Training

- Commissioning
- Maintenance
- Etc.

CONTACT
00 00 00 000 00 · contact@XXXXX

Access in-depth information

Our local website provides you with a large choice of tools to help you understand and deploy WEOZ™ ecosystem full potential.

AVAILABLE FOR DOWNLOAD:

- Technical guides
- Tech sheets
- Tutorials
- Etc.

GO TO
Legrand.com/XXXX

Area Manager solution

Area Manager

0 485 84

One year of portal access for supervision
The Area Manager allows you to communicate using the industrial protocols used in your smart building. Indeed, we note that to make of energy savings, it is a simple solution to use but also a solution flexible enough to adapt to the existing one
Communication protocols:
Modbus (RS485) – Z-wave – Zigbee – BLE – Wi-Fi – Ethernet
Architecture Buildroot
Connection via Wi-Fi, Ethernet or mesh network
Application installation (Android + iOS)
Portal access for supervision and statistics
Online and offline functions
Alerts and notifications
Rules management, planning and scenarios
A physical button allows show/hide the access point
Presence of 4 signaling LEDs
4th LED: OS status
3rd LED: Network status
2nd LED: Radio protocols are active (Zibgee and Z-Wave)
1st LED: Wi-Fi access point

Pack	Cat.Nos	**Area Manager**
1	0 485 84	Power supply: 12Vdc / 24Vdc Maximum number of products connected: + 100 Modbus points Installation method: DIN rails and panels Power Supply: USB-C 5V, DC 12V, PoE Interfaces: RS485, POE, DC 12V, USB-C 5V Communication protocols: Modbus (RS485), Z-Wave, Zigbee, BLE, Wi-Fi, Ethernet Area Manager, building controller of WEOZ™ solution

Area Manager solution

Airzone HVAC

AZAI6ZWEDA1

Pack	Cat.Nos	**Aidoo Z-Wave**
		Aidoo Z-Wave for inverter/VRF systems Device to manage and integrate units remotely Wireless Z-Wave Plus connection The Aidoo Z-Wave Plus by Airzone operates in any Z-Wave network with other Z-Wave/Z-Wave Plus certified devices and controllers from any other manufacturer Externally powered by the indoor unit As a constantly powered node, will act as repeater regardless of the vendor in order to increase the reliability of the network Features: - Control of the parameters of the unit - Communication errors detection - Integrate with Area Manager through Z-Wave
1	AZAI6ZWEDA1	AIDOO ZWAVE DAIKIN
1	AZAI6ZWEFU2	AIDOO ZWAVE FUJITSU
1	AZAI6ZWEHIT	AIDOO ZWAVE HITASHI
1	AZAI6ZWEMD2	AIDOO ZWAVE MIDEA
1	AZAI6ZWEMEL	AIDOO ZWAVE MITSUBSHI
1	AZAI6ZWEMHI	AIDOO ZWAVE MITSUBSHI HEAVY
1	AZAI6ZWEPAN	AIDOO ZWAVE PANASONIC
1	AZAI6ZWESA2	AIDOO ZWAVE SAMSUNG
1	AZAI6ZWETOS	AIDOO ZWAVE TOSHIBA
1	AIDOO PRO FANCOIL	Allows you to control any number of fan coil units of all types from the same App

Pack	Cat.Nos	**AIDOO Pro Fancoil**
1	AZAI6WSPFAN	Device to manage and integrate fancoil units Configuration with the Airzone Cloud App (available for iOS and Android) Externally powered at 110/230 Vac Mounted on DIN rail Features: - Control of the parameters of the unit - Communication errors detection - Temperature and operating mode time schedules - 2 relays for control of solenoid valves on demand - 3 relays for control of up to 3 speeds - 3 0-10 V outputs for control of cooling valve, heating valve and fan - 3 digital inputs for open window detection, occupancy detection and Eco mode - 3 analogue probe inputs for measuring room temperature, heating battery temperature and cooling battery temperature Auxiliary heat control Integration with Area Manager through modbus RTU port

Red catalogue numbers: New products

Light Up

occupancy and corridor ceiling sensors

0 485 51

0 485 54

A flexible range of sensors for all types of application
Adapts the lighting to the presence and the luminosity
Wireless master-slave function to extend the detection zone by associating a slave detector with the detector connected to the light
Possibility of combining a wireless batteryless light switch (Cat.Nos 5 742 10/39/55, 5 743 24, 0 677 23L/73L/79L, 7 418 13L/43L/73L, 0 770 53L, 6 000 83L and a connected outlet (Cat.Nos 5 742 56/57/58/59, 0 677 25A/75A, 0 648 95A, 7 419 11/41/71, 6 003 91A, 0 697 93/96)
Allows the management and control of 3 distinct lighting zones depending on daylight (+ Offset function)
Configuration with Close Up App

Pack	Cat.Nos	**Occupancy**
		Power: < 100 mW -10 °C/ +30 °C Reach: 12 m Daylight sensor
		Presence sensor
1	0 485 51	ON/OFF
		Presence and dimming sensors (DALI 2 certified)
1	0 485 52	DALI
1	0 485 55	DALI 3 zones

Pack	Cat.Nos	**Corridor**
		Power: < 100 mW -10 °C/ +30 °C Reach: 24 m Daylight sensor
		Presence sensor
1	0 485 53	ON/OFF
		Presence and dimming sensors (DALI 2 certified)
1	0 485 54	DALI
1	0 485 56	DALI 3 zones

■ Occupancy detection zone

•Walk toward

•Walk accross

■ Corridor detection zone

OK

•Walk toward

•Walk accross

⌐ legrand

Light Up
multisensors and advanced ceiling sensors

Light Up
detection zone
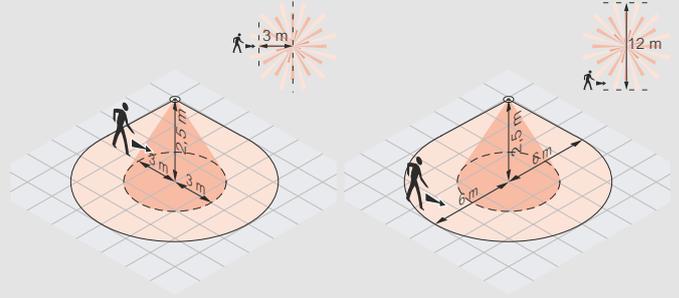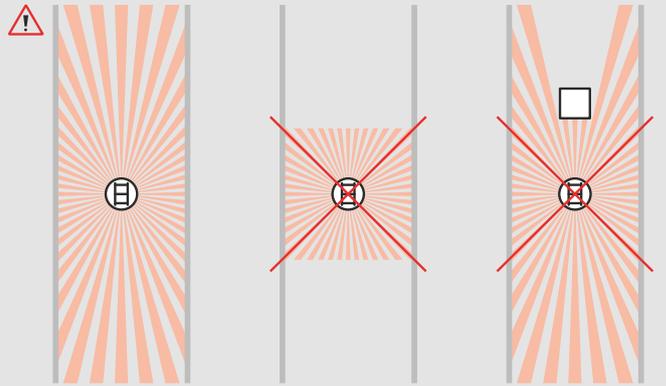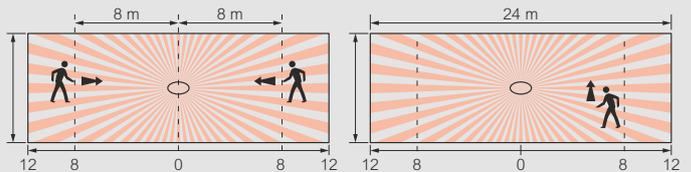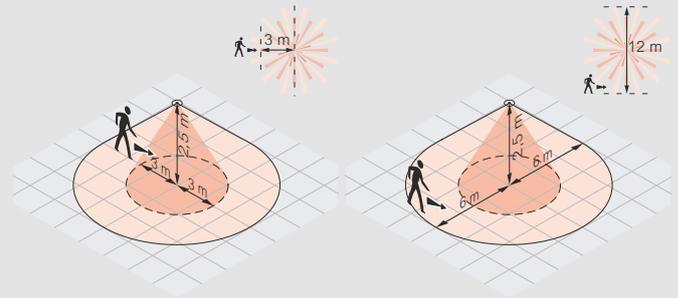

0 485 71   0 485 74

A flexible range of sensors for all types of application
Adapts the lighting to the presence and the luminosity
Wireless master-slave function to extend the detection zone by
associating a slave detector with the detector connected to the light
Possibility of combining a wireless batteryless light switch
(Cat.Nos 5 742 10/39/55, 5 743 24, 0 677 23L/73L/79L, 7 418 13L/43L/73L,
0 770 53L, 6 000 83L and a connected outlet (Cat.Nos 5 742 56/57/58/59,
0 677 25A/75A, 0 648 95A, 7 419 11/41/71, 0 777 11LA, 6 003 91A,
0 697 93/96)
Allows the management and control of 3 distinct lighting zones
depending on daylight (+ Offset function)
Configuration with Close Up App
Measures environmental data : daylight, temperature, humidity, VOC,
IAQ, sound...

▮ Multisensor detection zone

•Walk toward   •Walk accross

▮ Advanced detection zone

Pack	Cat.Nos	**Multisensors**
		Power: < 100 mW
		+5 °C/ +30 °C
		Reach: 12 m
		ON/OFF
		Daylight sensor: 5 to 1275 lux
		Temperature sensor: +0 °C/+50 °C
		Humidity sensor: 0% to 100%
		IAQ level : 1.0 to 5.0 (UBA reference)
		Sound sensor: 35 to 120 dbspl
		eCO2 : 400 -> 5000ppm
		Presence and dimming sensors (DALI 2 certified)
1	0 485 71	DALI
1	0 485 73	DALI 3 zones
		Advanced
		Power: < 100 mW
		+5 °C/ +30 °C
		Reach: 8 m x 8 m = 64m²
		ON/OFF
		Daylight sensor: 5 to 1275 lux
		Temperature sensor: +0 °C/+50 °C
		Humidity sensor: 25% to 80%
		IAQ level : 1.0 to 5.0 (UBA reference)
		Sound sensor: 38 to 120 dbspl
		Counting people allows to measure
		utilisation and capacity rates
		eCO2 : 400 -> 5000ppm
		Privacy respected
		Thermal imager : no video/images taken
		Presence and dimming sensors (DALI 2 certified)
1	0 485 72	DALI
1	0 485 74	DALI 3 zones
		Accessory
		Surface mount back box
2	0 485 80	Mounting accessory for Light Up surface-mounting false ceiling detectors

Light Up

activity ceiling sensor and opening detector

N

Light Up

caracteristics

0 485 91   0 485 75

Pack	Cat.Nos	
1	0 485 91	**Activity** Mesuring the number of people in a space of 64m² as well as environmental data : daylight, temperature, humidity, VOC, IAQ, sound... PoE for power and communication Does not embed lighting control Up to 6 counting zones Configuration with Close Up App +5 °/+ 30 °C Reach: 8 m x 8 m = 64m² Daylight sensor: 5 to 1275 lux Temperature sensor: +0 °C/+50 °C Humidity sensor: 0% to 100% IAQ level : 1.0 to 5.0 (UBA reference) Sound sensor: 38 to 120 dbspl Counting people allows to measure utilisation and capacity rates eCO2 : 400 -> 5000ppm Privacy respected Thermal imager : no video/images taken Only collect data
1	0 485 75	**Opening detector** Radio-controlled magnetic opening detector which sends its status via a radio frequency command (Greenpower) when there is a change of status: opening or closing Protection against impacts: IK 04 Protection against solid bodies/liquids: IP 20 IP 40 assembled product CR2032 3 VDC Lithium battery Life: 8 years with 25 openings a day Zigbee radio technology: frequency 2.4 GHz to 2.4835 GHz RADIO performance: 150 m min. range in unobstructed space, point to point Power level: < 10 mW Default Zigbee channel: 11 Certified Zigbee PRO technology, Green Power function (two-way communication: not available) IEEE 802.15.4 (LR-WPAN) Usage temperature: +5° C to +45° C Storage temperature: +5° C to +45° C

■ Activity detection zone
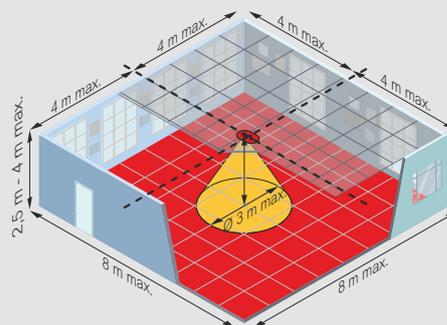
■ Opening detector operation
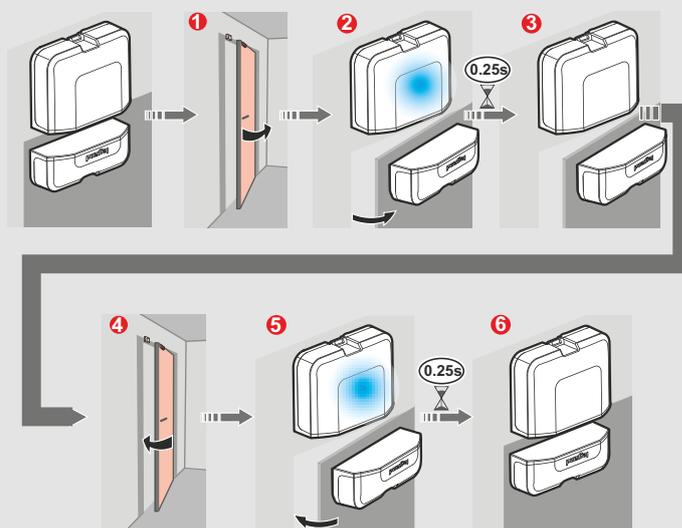
Arteor™ with Netatmo - International

connected light switches

Arteor™ with Netatmo - International

connected curtain/roller blind switch

5 743 40   5 743 33

5 742 04

Used to create your connected installation, require prior installation of an Area Manager solution
Compatible Zigbee 3.0

Used to complete your connected installation, require prior installation of an Area Manager solution
Compatible Zigbee 3.0

Pack	Cat.Nos	
		Connected light switches with dimmer option

With neutral 230 V∿, 150 W LED
Mechanisms supplied with cover plates, to be equipped with support frames and plates
For local or remote ON/OFF or dimming control of lighting
Can be controlled by one or several wireless light switches and/or mechanical push-buttons without neon
Compatible with all loads:
- Dimmable LEDs and CFL lamps: 150 W LED
- Incandescent and halogen lamps: 150 W
- ELV halogen and CFL lamps with separate ballast: 150 VA
Memory level function
Can be installed in place of an existing switch in a flush-mounting box depth 35 mm

1 module

Pack	Cat.Nos	
1	5 743 40	○ White
1	5 743 42	● Magnesium
1	5 743 43	○ Champagne
1	5 743 41	○ Soft Alu

2 modules

Pack	Cat.Nos	
1	5 743 30	○ White
1	5 743 32	● Magnesium
1	5 743 33	○ Champagne
1	5 743 31	○ Soft Alu

Connected curtain/roller blind switch 500 VA

Mechanism supplied with cover plate, to be equipped with support frame and plate
For local and remote control of a 230 V∿ roller blind (raise/lower/stop functions and level management)
Compatible with roller blinds with mechanical or electronic stop, not compatible with radio-controlled roller blinds
Can be paired with one or more roller blind wireless switches
Can be installed in place of an existing roller blind switch in a flush-mounting box depth 35 mm
1 module - with neutral

Pack	Cat.Nos	
1	5 742 04	○ White
1	5 742 22	● Magnesium
1	5 742 31	○ Champagne
1	5 742 13	○ Soft Alu

Wireless batteryless switch

Extra-slim, maintenance-free device without any battery
Used to add an extra control for wired switches, micromodules, socket outlets and cable outlets
Energy harvesting mechanism that generates by itself the energy required for the switching process
Qualified for 1 million cycles
Smooth and silent switching
Supplied with cover plate, multi-standard support frame (with removable fins) and removable stickers for fixing the control unit on any substrate
To be equipped with 2-module plate

Pack	Cat.Nos	
1	5 742 39	○ White
1	5 743 24	● Magnesium
1	5 742 55	○ Champagne
1	5 742 10	○ Soft Alu

Arteor™ with Netatmo - International
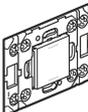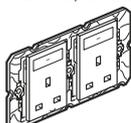
connected socket outlets

5 742 57 + plate   5 742 66

Used to create your connected installation, require prior installation of an Area Manager solution
Compatible Zigbee 3.0

Pack	Cat.Nos	**Connected British standard socket outlets, 13 A - 250 V, switched, single pole**
		Compact mechanism (22 mm deep) Shuttered for child safety Protected against overloads Conform to BS 1363 Part-2 and IEC 60669-2-5 Socket outlets can be controlled by one or several wireless light switches Compatible with any electrical appliance or large household appliance Connected socket outlets allow to: - remotely control electrical appliances - measure instantaneous power Can be installed in place of an existing socket outlet in a flush-mounting box min. depth 35 mm
		2P+E switched - 1-gang Mechanisms supplied with cover plates and support frames, to be equipped with British standard plates, 3 modules, 1-gang
1	5 742 56	○ White
1	5 742 58	● Magnesium
1	5 742 59	● Champagne
1	5 742 57	● Soft Alu
		2P+E switched - 2-gang Mechanisms supplied with cover plates and support frames, to be equipped with special plates
1	5 742 66	○ White
1	5 742 68	● Magnesium
1	5 742 69	● Champagne
1	5 742 67	● Soft Alu

Arteor™ with Netatmo - International

connected socket outlet module and mobile socket outlet

5 742 00   5 742 00 + 5 721 04 + plate   0 648 89

Used to complete your connected installation, require prior installation of an Area Manager
Compatible Zigbee 3.0

Pack	Cat.Nos	**Connected socket outlet module, 16 A - 230 VA - 3680 W, 1 module**
		Mechanisms supplied with cover plate, to be equipped with support frame and plate Allows to create a connected socket outlet for integration into the connected installation To be wired to a traditional socket outlet Connected socket outlets can be controlled by one or several wireless light switches Compatible with any electrical appliance or large household appliance Connected socket outlets allow to - remotely control electrical appliances - measure instantaneous power Can be installed in place of an existing socket outlet in a flush-mounting box min. depth 40 mm
1	5 742 00	○ White
1	5 742 28	● Magnesium
1	5 742 37	● Champagne
1	5 742 19	● Soft Alu
		Connected mobile socket outlets Conform to IEC 60884-2-5 and IEC 60669-2-5 To be plugged directly into an existing socket outlet For control of lights, electrical appliances and large household appliances Can be controlled by one or several wireless light switches - ON/OFF indicator LED function Connected mobile socket outlets allow to - remotely control electrical appliances - measure instantaneous power
1	0 648 89	13 A British standard connected mobile socket outlet - 3000 W ● Magnesium
1	5 742 54	16 A German standard connected mobile socket outlet - 3680 W ● Magnesium

0 677 97 + plate

0 677 76A

0 677 25A + plate

0 677 75A + plate

Used to create your connected installation, require prior installation of an Area Manager
Compatible Zigbee 3.0

Pack	Cat.Nos	**Connected light switch with dimmer option**
		For local or remote ON/OFF or dimming control of lighting
		Compatible with all loads (dimmable LEDs required if dimmer mode activated)
		Can be controlled by one or several wireless/wireless batteryless light switches and/or mechanical push-buttons
		Can be installed in place of an existing switch in a flush-mounting box depth 40 mm
		Screw fixing. Supplied with worksite protection
		Multi-gang fixing possible
		Supplied with cover plate and support frame
		To be equipped with plate
		With neutral 230 V∿, 150 W LED
1	0 677 97A	○ White
1	0 677 98A	◒ Titanium
1	0 677 99A	● Graphite

Pack	Cat.Nos	**Connected shutter/roller blind switch**
		Enables:
		- to control a shutter with electronic stop or mechanical
		- to manage an adjustable, an awning
		- to manage opening levels
		Phase + Neutral power supply 230 V∿
		Can be installed in place of an existing shutter switch in flush-mounting box depth 40 mm
		Not compatible with radio shutters installations
		Multi-gang fixing possible
		Supplied with cover plate and support frame
		To be equipped with plate
1	0 677 26A	○ White
1	0 677 76A	◒ Titanium
1	0 648 96A	● Graphite

Pack	Cat.Nos	**Wireless batteryless switch**
		Extra-slim, maintenance-free device without any battery. Used to add an extra control for wired switches, micromodules, socket outlets and cable outlets. Easy pairing by tapping the wired product
		Supplied with cover plate, support frame and removable stickers for fixing the control unit on any substrate. To be equipped with plate
1	0 677 23L	○ White
1	0 677 73L	◒ Titanium
1	0 677 79L	● Graphite

Pack	Cat.Nos	**Wireless switch**
		Used to add an extra control for wired switches, micromodules, socket outlets, cable outlets
		Easy pairing by tapping the wired product
		Supplied with CR2032 3V long-life battery for power supply. Easy access to the battery for maintenance
		LED function for low battery indication
		Supplied with removables stickers for fixing the control unit on any substrate
		Single switch
1	1 991 63	○ White
1	1 991 73	◒ Titanium
1	1 991 83	● Graphite
		Double switch
1	1 991 69	○ White
1	1 991 79	◒ Titanium
1	1 991 89	● Graphite

Pack	Cat.Nos	**Connected socket outlets, 16 A - 250 V**
		Enables to control electrical devices
		Can be controlled by one or several wireless/wireless batteryless light switches
		16 A socket 3680 W max. (protected against overloads)
		Compatible with all electrical and large devices home appliance
		Enables to:
		- measure the instantaneous power
		Can be installed in place of an existing socket outlet in a flush-mounting box depth 40 mm
		Screw or claw fixing
		Automatic terminals
		Supplied with worksite protection and claws
		Supplied with cover plate and support frame
		To be equipped with plate
		German standard
1	0 648 30	○ White
1	0 648 37	◒ Titanium
1	0 648 38	● Graphite
		French standard
1	0 677 25A	○ White
1	0 677 75A	◒ Titanium
1	0 648 95A	● Graphite
		Pack of 3 connected socket outlets, French standard
1	0 676 38A	○ White
1	0 676 39A	◒ Titanium
1	0 676 45A	● Graphite

Pack	Cat.Nos	**Connected cable outlet**
		Conform to IEC 60669-2-1
		Enables to control electrical devices up to 3000 W max. (protected against overloads)
		Wiring compatible with pilot wire
		Can be controlled by one or several wireless/wireless batteryless light switches
		Functions:
		- ON/OFF, pilot wire management
		- instantaneous power measurement
		Supplied with mounting support, cover plate and worksite protection
		Multi-gang fixing not possible
1	0 648 79	○ White
1	0 648 82	◒ Titanium
1	0 648 83	● Graphite
1	0 648 51	○ Pearl
1	0 648 63	○ Ivory
1	0 648 47	● Black
1	0 648 98	◒ Aluminium

Valena™ with Netatmo

connected switches and socket outlets

7 528 66 + plate

7 523 66 + plate

7 521 94 + plate

7 522 93 + plate

7 419 41 + plate

Used to create your connected installation, require prior installation of an Area Manager solution
Compatible Zigbee 3.0
Mechanisms supplied with cover plates and support frames to be equipped with plates

Pack	Cat.Nos	**Connected light switch with dimmer option, with neutral 230 V∿, 150 W LED**
		For local or remote ON/OFF or dimming control of lighting
		Compatible with all loads (dimmable LEDs required if dimmer mode activated)
		Can be controlled by one or several wireless/wireless batteryless light switches and/or mechanical push-buttons
		Can be installed in place of an existing switch in a flush-mounting box depth 40 mm
		Screw fixing
		Supplied with worksite protection
		Multi-gang fixing possible
		Valena Allure
1	7 525 66	○ White
1	7 526 66	○ Ivory
1	7 527 66	� Aluminium
1	7 528 66	● Black
1	7 529 66	○ Pearl
		Valena Life
1	7 521 66	○ White
1	7 522 66	○ Ivory
1	7 523 66	● Aluminium
		Valena Next
1	7 418 14	○ White
1	7 418 74	● Black
1	7 418 44	● Aluminium

Pack	Cat.Nos	**Connected shutter/roller blind switch**
		Phase + Neutral power supply 230 VA
		Can be installed in place of an existing shutter switch in flush-mounting box depth 40 mm
		Not compatible with radio shutters installations
		Multi-gang fixing possible
		Valena Next
1	7 418 07A	○ White
1	7 418 67A	● Black
1	7 418 37A	● Aluminium

Pack	Cat.Nos	**Wireless batteryless switch**
		Extra-slim, maintenance-free device without any battery
		Used to add an extra control for wired switches, micromodules, socket outlets and cable outlets
		Easy pairing by tapping the wired product
		Supplied with removable stickers for fixing the control unit on any substrate
		Valena Next
1	7 418 13L	○ White
1	7 418 73L	● Black
1	7 418 43L	● Aluminium

Pack	Cat.Nos	**Connected socket outlets, 16 A - 250 V**
		Enables to control electrical devices
		Can be controlled by one or several wireless/wireless batteryless light switches
		16 A socket 3680 W max. (protected against overloads)
		Compatible with all electrical and large devices home appliance
		Enables to:
		- measure the instantaneous power
		Can be installed in place of an existing socket outlet in a flush-mounting box depth 40 mm
		Screw or claw fixing
		Automatic terminals
		Supplied with worksite protection and claws
		Valena Allure, German Standard
1	7 525 94	○ White
1	7 526 94	○ Ivory
1	7 527 94	● Aluminium
1	7 528 94	● Black
1	7 529 94	○ Pearl
		Valena Life, German Standard
1	7 521 94	○ White
1	7 522 94	○ Ivory
1	7 523 94	● Aluminium
		Valena Next, German Standard
1	7 418 11	○ White
1	7 418 71	● Black
1	7 418 41	● Aluminium
		Valena Allure, French standard
1	7 525 93	○ White
1	7 526 93	○ Ivory
1	7 527 93	● Aluminium
1	7 528 93	● Black
1	7 529 93	○ Pearl
		Valena Life, French standard
1	7 521 93	○ White
1	7 522 93	○ Ivory
1	7 523 93	● Aluminium
		Valena Next, French standard
1	7 419 11	○ White
1	7 419 71	● Black
1	7 419 41	● Aluminium

Mosaic™ with Netatmo

connected switches and socket outlets

0 777 08L + plate

0 777 11LA

Used to create your connected installation, require prior installation of an Area Manager
Compatible Zigbee 3.0
Mechanisms supplied with cover plates and support frames to be equipped with plates

Pack	Cat.Nos	
		Connected light switch with dimmer option
		For local or remote ON/OFF or dimming control of lighting Compatible with all loads (dimmable LEDs required if dimmer mode activated) Can be controlled by one or several wireless/wireless batteryless light switches and/or mechanical push-buttons Can be installed in place of an existing switch in a flush-mounting box depth 40mm Screw fixing Supplied with worksite protection Multi-gang fixing possible
1	0 777 08LA	**With neutral 230 V∿, 150 W LED** ○ White
		Connected shutter/roller blind switch
		Enables: - to control a shutter with electronic stop or mechanical - to manage an adjustable, an awning - to manage opening levels Phase + Neutral power supply 230 VA Can be installed in place of an existing shutter switch in flush-mounting box depth 40 mm Not compatible with radio shutters installations Multi-gang fixing possible
1	0 777 06LA	○ White
		Wireless switches
		Used to add an extra control for wired switches, micromodules, socket outlets, cable outlets Easy pairing by tapping the wired product Supplied with CR2032 3V long-life battery for power supply Easy access to the battery for maintenance LED function for low battery indication Supplied with removables stickers for fixing the control unit on any substrate
1	0 777 23LA	**Single switch** ○ White
1	0 777 24LA	**Double switch** ○ White

Pack	Cat.Nos	
		Wireless batteryless switch
		Extra-slim, maintenance-free device without any battery Used to add an extra control for wired switches, micromodules, socket outlets and cable outlets Easy pairing by tapping the wired product Supplied with removable stickers for fixing the control unit on any substrate
1	0 770 53L	○ White
		Connected socket outlets, 16 A - 250 V
		Enables to control electrical devices Can be controlled by one or several wireless/wireless batteryless light switches 16 A socket 3680 W max. (protected against overloads) Compatible with all electrical and large devices home appliance Enables to: - measure the instantaneous power Can be installed in place of an existing socket outlet in a flush-mounting box depth 40 mm Screw or claw fixing Automatic terminals Supplied with worksite protection and claws
1	0 777 11LA	**French standard** ○ White
1	0 777 13L	**German standard** ○ White

dooxie™ with Netatmo

connected switches and socket outlets

6 001 90 + plate

6 003 91 + plate

Used to create your connected installation, require prior installation of an Area Manager
Compatible Zigbee 3.0
Mechanisms supplied with cover plates and support frames to be equipped with plates

Pack	Cat.Nos	
		Connected light switch with dimmer option
		For local or remote ON/OFF or dimming control of lighting
		Compatible with all loads (dimmable LEDs required if dimmer mode activated)
		Can be controlled by one or several wireless/wireless batteryless light switches and/or mechanical push-buttons
		Can be installed in place of an existing switch in a flush-mounting box depth 40mm
		Screw fixing. Supplied with worksite protection
		Multi-gang fixing possible
		With neutral 230 V∿, 150 W LED
1	6 000 90A	○ White
1	6 001 90A	● Aluminium
		Connected shutter/roller blind switch
		Enables:
		- to control a shutter with electronic stop or mechanical
		- to manage an adjustable, an awning
		- to manage opening levels
		Phase + Neutral power supply 230 VA
		Can be installed in place of an existing shutter switch in flush-mounting box depth 40 mm
		Not compatible with radio shutters installations
		Multi-gang fixing possible
1	6 000 86A	○ White
1	6 001 86A	● Aluminium
		Wireless batteryless switch
		Extra-slim, maintenance-free device without any battery
		Used to add an extra control for wired switches, micromodules, socket outlets and cable outlets
		Easy pairing by tapping the wired product
		Supplied with removable stickers for fixing the control unit on any substrate
1	6 000 83L	○ White
		Wireless switch
		Used to add an extra control for wired switches, micromodules, socket outlets, cable outlets
		Easy pairing by tapping the wired product
		Supplied with CR2032 3V long-life battery for power supply
		Easy access to the battery for maintenance
		LED function for low battery indication
		Supplied with removables stickers for fixing the control unit on any substrate
		Single switch
1	1 992 33	○ White
1	1 992 53	● Aluminium
		Double switch
1	1 992 39	○ White
1	1 992 59	● Aluminium

Pack	Cat.Nos	
		Connected socket outlets, 16 A - 250 V, French standard
		Enables to control electrical devices
		Can be controlled by one or several wireless/wireless batteryless light switches
		16 A socket 3680 W max. (protected against overloads)
		Compatible with all electrical and large devices home appliance
		Enables to:
		- measure the instantaneous power
		Can be installed in place of an existing socket outlet in a flush-mounting box depth 40 mm
		Screw or claw fixing
		Automatic terminals
		Supplied with worksite protection and claws
		Single socket outlet
1	6 003 91A	○ White
1	6 004 91A	● Aluminium
		Pack of 3 connected socket outlets
1	6 006 98A	○ White
1	6 007 98A	● Aluminium

BTICINO

LivingLight with Netatmo

connected socket outlets and commands

BT-L4141AC
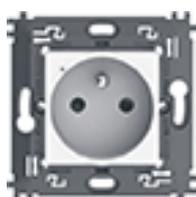
BT-L4141AC

BT-NT4531C

BT-L4027C

BT-N4411CM2

Used to create your connected installation, require prior installation of Area Manager
Compatible Zigbee 3.0

Connected socket outlets, 16 A - 250 V, German standard

Connected sockets - 2P+E 16 A 250 Va.c.
It allows remote control of electric devices and also to monitor their consumption (instantaneous)
It is also possible to receive notifications that can be configured
Compatible with all the electric devices with power up to 16 A 3680W (with overload protection)
Integrated with a 2-module support, it can be installed instead of an existing socket in a 40 mm deep box
Screw fixing and connection using automatic clamps
It can be associated to one or more wireless light controls
Power supply 110-230 Vac

Pack	Cat.Nos	
1	BT-L4141AC	● Anthracite
1	BT-N4141AC	○ White
1	BT-NT4141AC	◐ Tech
1	BT-L4141ACES	● Anthracite
1	BT-N4141ACES	○ White
1	BT-NT4141ACES	◐ Tech

Connected socket outlets, 16 A - 250 V, French standard

Pack	Cat.Nos	
1	BT-L4142AC	● Anthracite
1	BT-N4142AC	○ White
1	BT-NT4142AC	◐ Tech

Connected socket modules

Pack	Cat.Nos	
1	BT-L4531C	● Anthracite
1	BT-N4531C	○ White
1	BT-NT4531C	◐ Tech

Connected shutter switches with neutral

Connected rolling shutter switch
It allows the control of a shutter locally or remotely. Compatible with all standard rolling shutter motors (with a mechanical or electromechanical stop and max power 500 VA) controlled by a wired shutter switch (switching of the same motor power supply) Not compatible with motors for radio-controlled or pulse-controlled roller shutters
It can be associated with one or more wireless commands
Caution: Must be connected to the neutral
Power supply 110-230 Vac

1 module

Pack	Cat.Nos	
1	BT-L4027C	● Anthracite
1	BT-N4027C	○ White
1	BT-N4027C	◐ Tech

2 modules

Pack	Cat.Nos	
1	BT-L4027CM2	● Anthracite
1	BT-N4027CM2	○ White
1	BT-N4027CM2	◐ Tech

Connected dimmers

Used to connect lights with a ceiling box installation
Can be controlled by one or more wireless light switches and/or mechanical push-buttons

ON/OFF switch 150 W LED, wired
1 module

Pack	Cat.Nos	
1	BT-L4411C	● Anthracite
1	BT-N4411C	○ White
1	BT-NT4411C	◐ Tech

2 modules

Pack	Cat.Nos	
1	BT-L4411CM2	● Anthracite
1	BT-N4411CM2	○ White
1	BT-NT4411CM2	◐ Tech

MatixGO with Netatmo

connected switches and socket outlets

BT-JW4411C   BT-JB4411C   BT-JW4027C   BT-JG4027C   BT-JB4027C   BT-JG4531C

Used to create your connected installation, require prior installation of an Area Manager
Compatible Zigbee 3.0

Pack	Cat.Nos	
		Connected light switch will dimmer option
		Mechanisms supplied with cover plates, to be equipped with support frames and plates
		For local or remote ON/OFF or dimming control of lighting
		Can be controlled by one or several wireless light switches and/or mechanical push-buttons without neon
		Compatible with all loads:
		- Dimmable LEDs and CFL lamps: 150 W LED
		- Incandescent and halogen lamps: 150 W
		- ELV halogen and CFL lamps with separate ballast: 150 VA
		Memory level function
		Can be installed in place of an existing switch in a flush-mounting box depth 35 mm
		With neutral 230 VA, 150 W LED 1 module
1	BT-JW4411C	○ White
1	BT-JG4411C	◐ Grey
1	BT-JB4411C	● Black
		Connected shutter/roller blind 500 VA
		Mechanism supplied with cover plate, to be equipped with support frame and plate
		For local and remote control of a 230 V∿ roller blind (raise/lower/stop functions and level management)
		Compatible with roller blinds with mechanical or electronic stop, not compatible with radio-controlled roller blinds
		Can be paired with one or more roller blind wireless switches
		Can be installed in place of an existing roller blind switch in a flush-mounting box depth 35 mm
		1 module - with neutral
1	BT-JW4027C	○ White
1	BT-JG4027C	◐ Grey
1	BT-JB4027C	● Black

Pack	Cat.Nos	
		Wireless batteryless switches
		Extra-slim, maintenance-free device without any battery
		Used to add an extra control for wired switches, micromodules, socket outlets and cable outlets
		Energy harvesting mechanism that generates by itself the energy required for the switching process
		Qualified for 1 million cycles
		Smooth and silent switching
		Supplied with cover plate, multi-standard support frame (with removable fins) and removable stickers for fixing the control unit on any substrate
		To be equipped with 2-module plate
		Single switch
1	BT-JW4003CWG	○ White
1	BT-JG4003CWG	◐ Grey
1	BT-JB4003CWG	● Black
		Double switch
1	BT-JW4003CWDG	○ White
1	BT-JG4003CWDG	◐ Grey
1	BT-JB4003CWDG	● Black
		Shutter/roller blind wireless switch
		Used for remote control or centralization of up to 20 wired smart roller blind switches
		Pair by tapping the selected roller blind switch(es)
		Supplied with CR2032 3 V long-life battery for power supply
		Easy access to the battery for maintenance
		LED function for low battery indication
		Can be installed in a flush-mounting box depth 35 mm
		Supplied with cover plate, to be equipped with support frame and plate
1	BT-JW4027CWG	○ White
1	BT-JG4027CWG	◐ Grey
1	BT-JB4027CWG	● Black
		Connected socket module - 16 A 230 VA -3680 W, 1 module
		Mechanisms supplied with cover plate, to be equipped with support frame and plate
		Allows to create a connected socket outlet for integration into the connected installation
		To be wired to a traditional socket outlet
		Connected socket outlets can be controlled by one or several wireless light switches
		Compatible with any electrical appliance or large household appliance
		Connected socket outlets allow to
		- remotely control electrical appliances
		- measure instantaneous power
		Can be installed in place of an existing socket outlet in a flush-mounting box min. depth 40 mm
1	BT-JW4531C	○ White
1	BT-JG4531C	◐ Grey
1	BT-JB4531C	● Black

Common accessories

additionnal accessories

0 648 99

Used to create your connected installation, require prior installation of an Area Manager solution
Compatible Zigbee 3.0

Pack	Cat.Nos	**Connected curtain/roller blind micromodule 500 VA - IP 44**
1	0 676 97	For local and remote control of a 230 V∿ roller blind (raise/lower/stop functions and level management) Compatible with roller blinds with mechanical or electronic stop, not compatible with radio-controlled roller blinds

Can be paired with one or more roller blind wireless switches
To be installed in the ceiling box or roller blind box to connect a new or existing roller blind

Pack	Cat.Nos	**Connected micromodule switches with neutral**

Used to connect lights with a ceiling box installation
Can be controlled by one or more wireless light switches and/or mechanical push-buttons

ON/OFF switch 100 W LED, wired

| 1 | 5 742 43 | Compatible with all loads: - LEDs and CFL lamps: 100 W LED - Incandescent and halogen lamps: 300 W - ELV halogen and CFL lamps with separate ballast: 250 VA |

Pack	Cat.Nos	**Connected mobile socket - French standard**
1	0 648 87	Conform to IEC 60884-2-5 and IEC 60669-2-5 To be plugged directly into an existing socket outlet

For control of lights, electrical appliances and large household appliances
Can be controlled by one or several wireless light switches
ON/OFF indicator LED function
Smart mobile socket outlets allow to
- remotely control electrical appliances
- measure instantaneous power

Plexo™ with Netatmo

connected socket outlet

0 697 93

Use to create your connected installation, required prior installation of Area Manager solution
Compatibe Zigbee 3.0
Supplied complete with non-clipped frame

Pack	Cat.Nos	
		Connected waterproof power outlet
		Can be used to measure instantaneous and total consumption of the connected device
		IP55 weather proofness allows this product in rooms that are humid or dusty (cellar, garage,...)
		Built-in protection against electrical overloads, for increased safety
		Automatic terminals
		To be fixed directly on the wall
		German standard
1	0 697 93	⚪ Grey
		French standard
1	0 698 82L	⚪ White
1	0 698 72L	⚪ Grey
1	0 698 92L	⚫ Anthracite

Connected meters

connected energy meters and smart load shedder

4 121 70

Used to create your connected installation, require prior installation of an Area Manager solution
Compatible Zigbee 3.0

Pack	Cat.Nos	
		CX³ with Netatmo connected contactor
1	4 121 71	Multifunction silent contactor (< 10 dB)
		20 A, 100 – 240 VA - 50/60 Hz
		Conforming to standard IEC/EN 60669-2-1
		Can be used to control (ON/OFF) any type of load remotely (water heater, heating, swimming pool pump, charging socket for electric vehicle, etc)
		Peak/off-peak function
		Self-protected upstream control terminals: no need for protection such as a 2 A circuit breaker or a fuse (remove this circuit breaker if already present when replacing a standard latching relay)
		Allows insertion of a supply busbar
		Screw terminals
		Width: 1 x 17.5 mm module
		CX³ with Netatmo connected latching relay
1	4 121 70	Requires prior installation of a "with Netatmo" connected starter pack, version for 4 rail Cat.Nos 4 121 81/91 or available in the connected wiring accesory ranges: Arteor/Mosaic/Mallia Senses with Netatmo
		Silent latching relay (< 10 dB)
		Single-pole, 16 A, 100 - 240 VA - 50/60 Hz
		Conforming to standard: IEC/EN 60669-2-1
		Allows the user via the Legrand Home + Control App. to:
		- control devices remotely (one-off control or integrated in a scenario with one or more lighting points)
		- measure and track consumption (kWh) of the controlled circuit
		- program devices according to a daily and/or weekly schedule
		Can be controlled by standard wired push-buttons and/or be combined with Arteor/Céliane/Dooxie/ Mosaic/Valena with Netatmo connected wireless switches
		Self-protected upstream control terminals: no need for protection such as a 2 A circuit breaker or a fuse (remove this circuit breaker if already present when replacing a standard contactor)
		Allows insertion of a supply busbar
		Screw terminals
		Width: 1 x 17.5 mm module

Legrand

EMDX³ electrical energy meters
⊔ rail mounting

4 120 91   4 120 65

Measure the electricity consumed by a single-phase or three-phase circuit downstream of the electricity distribution metering
Display electricity consumption in kWh, as well as other values such as current, active energy, reactive energy and power (depending on the catalogue number). Conform to standards IEC 61557-12, IEC 62053-21/23, IEC 62052-11 and IEC 62052-31
MID compliance ensures accuracy of the metering with a view to recharging for the electricity used

Single-phase meters, direct connection

Standard version

Pack	Cat.Nos	Maximum current (A)	Output type	Dual tariff	Number of modules
1	4 120 81	63	RS 485	Yes	2

MID version

Pack	Cat.Nos	Maximum current (A)	Output type	Dual tariff	Number of modules
1	4 120 83	63	RS 485	Yes	2

Three-phase meters, direct connection

Standard version

Pack	Cat.Nos	Maximum current (A)	Output type	Dual tariff	Number of modules
1	4 120 91	63	RS 485	Yes	4
1	4 120 74	125	Pulse and RS 485	Yes	6

MID version

Pack	Cat.Nos	Maximum current (A)	Output type	Dual tariff	Number of modules
1	4 120 93	63	RS 485	Yes	4
1	4 120 75	125	Pulse and RS 485	Yes	6

Three-phase meters, connection via CT

Standard version

Pack	Cat.Nos	Maximum current (A)	Output type	Dual tariff	Number of modules
1	4 120 41	5	RS 485	Yes	4

MID version

Pack	Cat.Nos	Maximum current (A)	Output type	Dual tariff	Number of modules
1	4 120 43	5	RS 485	Yes	4

Pulse concentrator

Pack	Cat.Nos	
1	4 120 65	For collecting and transmitting measurements taken by 12 universal pulse electricity meters. Also collects pulses from other meters (gas meters, water meters, etc.) RS485 output. 4 modules

EMDX³ multi-function measuring units
⊔ rail mounting

4 120 45   4 120 51   4 120 48

Conform to standards:
- IEC 61557-12
- IEC 62053-22
- IEC 62053-23 class 1

EMDX³ - modular measuring units

Pack	Cat.Nos	
		Multi-function measuring unit
1	4 120 45	For mounting on ⊔ rail. Width: 4 modules. LCD display. Precision class: 1. Connection with current transformers (CT). Measurement of currents, voltages, frequency, active, reactive and apparent power, power factor, active and reactive energy. THD voltages and currents. RS 485 and pulse output
		Multi-function measuring unit with active digital inputs and programmable alarms
1	4 120 51	For mounting on ⊔ rail. Width: 4 modules. LCD display. Precision class: 0.5. Connection with current transformers (CT). Measurement of currents, voltages, frequency, active, reactive and apparent power, power factor, active and reactive energy. 4 tariff metering: THD voltages, currents and harmonic analysis up to order 25 (available on Modbus COM port). Programmable alarms on all functions. RS 485 and pulse output

EMDX³ Easy Connect measuring unit

Pack	Cat.Nos	
1	4 120 48	For mounting on ⊔ rail. Width: 4 modules. To be equipped with open, flexible Rogowski coils from 630 to 6300 A, Cat.Nos 4 121 08/09/10/11. For 3-phase networks (3 or 4 cables). LCD display allowing to read the current and voltage phase shifts and visualize the average power load curve and the harmonics diagram (up to rank 15), in addition to the display of main values of an electrical network. The fast connection system of the Rogowski coils allow time saving during wiring operations and reduce the risk of errors. Measurement of : - Phase and line (phase to phase) voltages - Minimum and maximum voltages - THD voltages (up to rank 15) - Phase current - Neutral current - Average phase current - Average peak phase current. MODBUS output

EMDX³ multi-function measuring units

for mounting on door or solid faceplate

| 4 120 47 | 4 120 52 | 4 120 53 | 4 120 55 |

Conform to standards:
- IEC 61557-12
- IEC 62053-22
- IEC 62053-23 class 1 for Cat.No 4 120 52 - Class 2 for Cat.No 4 120 53

Pack	Cat.Nos	**EMDX³ - Access multi-function measuring units**
1	4 120 47	**Precision class: 1** For mounting on door or solid faceplate Dimensions: 96 x 96 x 62 mm LCD display Connection with current transformers (CT) Measurement of currents, voltages, frequency, active, reactive and apparent power and power factor Metering: - Active energy consumed or produced - Reactive energy consumed or produced THD voltages and currents RS 485 communication and Pulse output
1	4 120 52	**Precision class: 0.5** For mounting on door or solid faceplate Dimensions: 96 x 96 x 62 mm LCD display Measurement of currents, voltages, active, reactive and apparent power and power factor Metering: - Active energy consumed or produced - Reactive energy consumed or produced - Operating time - Pulses THD voltages, currents, and individual harmonic up to order 25[1] RS 485 communication and Pulse output

Pack	Cat.Nos	**EMDX³ - Premium multi-function measuring unit**
1	4 120 53	For mounting on door or solid faceplate Dimensions: 96 x 96 x 62 mm LCD display Precision class: 0.5 Measurement of currents, voltages, active, reactive and apparent power, internal temperature and power factor Metering: - Active energy consumed or produced - Reactive energy consumed or produced - Operating time - THD Programmable alarms on all functions Power quality functions: harmonics (U & I) to 40th, dips, swells, interruption, rapid voltage change and flickers Memory embedded (8 Mb) RTC (real time clock) Can take 4 EMDX³ modules with Cat.No 4 120 55 (communication module) to communicate with the Area Manager

Pack	Cat.Nos	**EMDX³ modules**
		Modules for EMDX³ - Premium multi-function measuring units
1	4 120 55	RS485 communication module with Modbus link
1	4 120 56	RS485 memory communication module

1: Available on Modbus COM port

Pack	Cat.Nos	**EMDX³ Easy Connect multi-function measuring unit**
1	4 120 49	For mounting on door or solid faceplate Dimensions: 96 x 96 x 75 mm To be equipped with open, flexible Rogowski coils from 630 to 6300 A, Item 4 121 08/09/10/11 For 3-phase networks (3 or 4 cables) LCD display allowing to read the current and voltage phase shifts and visualize the average power load curve and the harmonics diagram (up to rank 15), in addition to the display of main values of an electrical network The fast connection system of the Rogowski coils allow time saving during wiring operations and reduce the risk of errors Measurement of : - Phase and line (phase to phase) voltages - Minimum and maximum voltages - THD voltages - Analysis of voltage harmonics - Voltage crest factor - Phase current MODBUS output

L1 legrand

EMS CX³ energy management system

| 4 149 20 | 4 149 24 | 4 149 23 | 4 149 30 | 4 149 29 | 4 149 32 | 4 149 31 | 4 149 26 |

Conform to IEC/EN 61131-2 (Programmable controllers)
CX³ energy management system enables to measure, control and visualize the state of ⌐ rail mounting protection devices (MCBs, RCCBs, RCBOs, etc...) and head equipment (DMX³ and DPX³), locally ("Stand alone") or remotely. All the modules of the system are equipped with two specific communication ports: one at the backside (for communication rail) and one underneath (for communication patch cords). Power supply with specific module Cat.No 4 149 45
Remote configuration possible with the help of the Energy Management Configuration Software, available for free download via E-Catalogue
Communication interface Cat.Nos 4 149 40, F80BIM1, SXI485 required to communicate with Area Manager in Modbus

Measurement modules

Pack	Cat.Nos		Number of modules
		For measuring current, voltage, active/reactive power and other values Conform to IEC/EN 61557-12 Accuracy: class 0.5	
		Direct connection up to 63 A with closed Rogowski coils Allow the passage of prong-type supply busbars (upper side) Supplied with closed Rogowski coils	
1	4 149 18	3 x single-phase measuring module + 3 coils Consumption: 0,418 W - 34,8 mA (12 V =)	1
1	4 149 19¹	Single-phase measuring module + 1 coil Consumption: 0.409 W - 34.1 mA (12 V =)	1
1	4 149 20¹	3-phase measuring module + 3 coils Consumption: 0.418 W - 34.8 mA (12 V =)	1
		Direct connection up to 125 A with closed Rogowski coils Allow the passage of prong-type supply busbars (upper side) Supplied with closed Rogowski coils	
1	4 149 21	3-phase measuring module + 3 coils Consumption: 0.418 W - 34.8 mA (12 V =)	1
		Direct connection with open, fexible Rogowski coils Allow the passage of prong-type supply busbars (upper side) Supplied with opened, fexible Rogowski coils and fixing supports for busbars	
1	4 149 22	3-phase measuring module + 3 coils up to 630 A Consumption: 0.418 W - 34.8 mA (12 V =)	1
1	4 149 24	3-phase measuring module + 3 coils up to 1600 A Consumption: 0.418 W - 34.8 mA (12 V =)	1
1	4 149 25	3-phase measuring module + 3 coils up to 3200 A Consumption: 0.418 W - 34.8 mA (12 V =)	1
1	4 149 27	3-phase measuring module + 3 coils up to 6300 A Consumption: 0.418 W - 34.8 mA (12 V =)	1
		Connection with CT	
1	4 149 23	5 A measuring module connected via current transformers (CT) Consumption: 0.391 W - 32.6 mA (12 V =)	1

Extension kits for Rogowski coils

Pack	Cat.Nos	
		Supplied with connectors
1	4 149 15	Length: 1 m
1	4 149 16	Length: 3 m

Pulse concentrator

Pack	Cat.Nos		Number of modules
1	4 149 26¹	For collecting and transmitting measurements taken by universal pulse energy meters (water, gas, etc...) Up to 3 pulse circuits Consumption: 0.288 W - 24 mA (12 V =)	1

State reporting modules

Pack	Cat.Nos		Number of modules
1	4 149 29¹	**Auxiliary + fault signalling contact** Indicates the position of the contacts and the fault tripping of its associated device To fit on the left-hand side of DX³ MCBs, RCCBs, RCBOs and isolating switches Consumption: 0.236 W - 19.7 mA (12 V =)	0.5
1	4 149 30¹	**Universal signalling module** Equipped with 3 LED lights: green, red and yellow Indicates various type of information, according to selected configuration: contacts position, plugged-in or drawn-out product, etc... Equipped with DIP switches (on the side) allowing product configuration: selection of information type and of the LED behaviour Compatible with ⌐ rail mounting protection devices or head equipment (DMX³ and DPX³) Consumption: 0.377 W - 31.4 mA (12 V =)	1

Universal control module

Pack	Cat.Nos		Number of modules
1	4 149 32¹	2 relays: 240 V ∿ - 6 A Enables to remotely control different electrical loads or motorised controls associated to ⌐ rail mounting protection devices or head equipment (DPX³ MCCBs) Equipped with DIP switches (on the side) allowing product configuration: contact type (NO + NC, 2 NO, etc...) and function (maintained or momentary contact) Consumption: 0.456 W - 38 mA (12 V =)	1

Control and state reporting module

Pack	Cat.Nos		Number of modules
1	4 149 31¹	**For CX³ latchnig relays and 1 and 2-module contactors up to 25 A** Indicates the position of the contacts and enables remote control of its associated product Equipped with DIP switches (on the side) allowing product configuration: selection of the main product (latching relay or contactor). To fit on the left-hand side of the CX³ latching relays and contactors Consumption: 0.372 W - 31 mA (12 V =)	1

1: Enables upstream busbar connection

EMS CX³ energy management system (continued)

| 4 149 36 | 4 149 48 | 0 046 89 | 4 149 07 | 4 149 01 installed on ⌐ rail |

Conform to IEC/EN 61131-2 (Programmable controllers)
CX³ energy management system enables to measure, control and visualize the state of ⌐ rail mounting protection devices
(MCBs, RCCBs, RCBOs, etc...) or head equipment (ACBs, MCCBs, etc...), locally ("Stand alone") or remotely. All the modules of the system are
equipped with two specific communication ports: one at the backside (for communication rail) and one underneath (for patch cords)
Power supply with specific module Cat.No 4 149 45
Remote configuration possible with the help of the Energy Management Configuration Software, available for free download via E-Catalogue (giving
also access to a 30-day trial version of Energy Management Software Cat.No 4 149 38/39)
Communication interface Cat.Nos 4 149 40, F80BIM1, SXI485 required to communicate with Area Manager in Modbus

Pack	Cat.Nos	**Stand alone configuration module**	
		⌐ rail mounting	Number of modules
1	4 149 36[1]	Optional module for "stand alone" supervision need. Enables to configure, test and control CX³ energy management system and to visualize supervision data. No computer or IP connection required. Consumption: 0.438 W - 36.5 mA (12 V ⎓) Menu languages: English, French, Italian, Flemish, Polish, Spanish, German, Portuguese and Turkish	4
		Communication interfaces	
		RS485 / CX³ energy management system	Number of modules
1	4 149 40	RS485 / CX³ energy management system conversion. Consumption: 0.344 W - 28.7 mA (12 V ⎓)	1
		RS485 / Ethernet	
1	0 046 89	RS485 / Ethernet conversion (for connection to an IP network)	3
		Power supply module	Number of modules
1	4 149 45	500 mA 12 V ⎓ stablized power supply module for CX³ energy management system	1

Pack	Cat.Nos	**Connection accessories**	
		Communication rails To be fitted on ⌐ rail or spacer. Allows data transmission between the different modules of CX³ energy supervision system	
1	4 149 01[2]	18 modules	
1	4 149 02[2]	24 modules	
1	4 149 03[2]	36 modules	
		Communication patch cords Allows data transmission between the different modules of CX³ energy supervision system. Can be used instead of communication rails or to create a link between two rows (individually connected with communication rails)	
1	4 149 07	Length 250 mm (10 patch cords)	
1	4 149 08	Length 500 mm (10 patch cords)	
1	4 149 09	Length 1000 mm (5 patch cords)	
		Communication patch cord connector Enables to extend communication patch cords length by clipping them together. Max. length: 3 m	
1	4 149 10		
		Plastic cover for communication rail Must be used for protection of the unused parts of the communication rail. Length: 36 modules. Can be cut to the required length. Fixing: direct clip on to the rail	
1	4 149 14		

1: Enables upstream busbar connection
2: For other lengths, please consult us

BTDIN with Netatmo

connected electricity meters , contactor and load shedder

BT-F20T60A   BT-FC80CC

Conform to IEC/EN 61131-2 (Programmable controllers)
EMS BTDIN enables to measure, control and visualize the state of ⌐ rail mounting protection devices
(MCBs, RCCBs, RCBOs, etc...) or head equipment (ACBs, MCCBs, etc...), locally ("Stand alone") or remotely. All the modules of the system are equipped with two specific communication ports: one at the backside (for communication rail) and one underneath (for patch cords)
Power supply with specific module Cat.No 4 149 45
Remote configuration possible with the help of the Energy Management Configuration Software, available for free download via E-Catalogue (giving also access to a 30-day trial version of Energy Management Software Cat.No 4 149 38/39)
Communication interface Cat.Nos 4 149 40, F80BIM1, SXI485 required to communicate with Area Manager in Modbus

Pack	Cat.Nos	**Connected electricity meter - single-phase**
1	BT-F20T60A	20 A, 100-240 V∿ Allows to measure the electrical energy consumption of the entire single-phase system of the house (instantaneous) and of the single electrical power lines Toroid supplied to measure the input current 1 DIN module

Pack	Cat.Nos	**Connected contactor**
1	BT-FC80CC	20 A, 100-240 V∿ - 50/60 Hz Allows to remotely control (ON / OFF) loads such as water heaters, swimming pool pumps, and charging sockets for electric vehicles Equipped with a meter for the current absorbed by the load 1 DIN module

BTDIN energy meters

MID and standard version for direct and CT connection

BT-F41DM63N   BT-F41DM125   BT-F41TMAN   BT-F4N104   BT-F4N200   BT-F4N300

Pack	Cat.Nos				
		BTicino - energy meters, direct connection			
		MID version Positive and negative active energy Current/Voltage/Frequency Power factor Active, reactive and apparent power Phase active and apparent power Average and maximum active power Programmable hour counter Display on 9 digits and 4 quadrants RS485 Modbus RTU			
		Maximum current (A)	Phase	Outputs	Number of modules
1	BT-F21DM63N	63	1L+N	RS485	2
1	BT-F41DM63N	63	3L+N	RS485	4
1	BT-F41DM125	125	3L+N	RS485	6

Pack	Cat.Nos				
		BTicino - energy meters, connection via CT			
		CT connection for three-phase line up to 63A with 3 or 4 wires Positive and negative active energy Current/Voltage/Frequency Power factor Active, reactive and apparent power Phase active and apparent power Average and maximum active power Programmable hour counter Display on 9 digits and 4 quadrants RS485 Modbus RTU (depending of the versions)			
		Maximum current (A)	Phase	Output	Number of modules
1	BT-F41TMAN	63	3L+N	RS485	4

Additional modules of F4N400

Pack	Cat.Nos	
1	BT-F4N104	Communication module Modbus RS485
1	BT-F4N105	Memory module

Pack	Cat.Nos	
		Standard meter control units for door or full panel installation
		Multifunction electronic metering control unit with data transmission via MODBUS RS485 - LCD display - usable on single-phase or three fase networks with or without neutral - it measures current, voltage, active, reactive and apparent energy - max and minimum values of voltage - average and peak values of the average values for current and power - 4-tariff count - consumption of active energy (total and partial) - total active energy produced - consumption of reactive energy (total and partial) - total reactive energy produced - operating time - power factor - total harmonic distortion (THD) rate - harmonic analysis up to 25th harmonic - programmable alarms for all functions - Modbus communication port RS485 integrated
1	BT-F4N200	Mounting on DIN35 rail (4 DIN modules) Pulse count on the 2 inputs, output for the control of devices, alarm signalling and pulse count
1	BT-F4N300	Installation on doors or panels (96x96mm window 92x92mm)

bticino

BTDIN: energy management system

measurement and supervision system

| BT-F80BMM63 | BT-F80BMT | BT-F80BI | BT-F80BCR | BT-F80BVS | BT-F80BC |

Conform to IEC/EN 61131-2 (Programmable controllers)
BTDIN energy management system enables to measure, control and visualize the state of ⌐ rail mounting protection devices (MCBs, RCCBs, RCBOs, etc...) and head equipment (DMX[3] and DPX[3]), locally ("Stand alone") or remotely. All the modules of the system are equipped with two specific communication ports: one at the backside (for communication rail) and one underneath (for communication patch cords). Power supply with specific module Cat.No F80BA
Remote configuration possible with the help of the Energy Management Configuration Software, available for free download via IME WEB site (giving also access to a 30-day trial version of Energy Management Software)
Communication interface Cat.Nos 4 149 40, F80BIM1, SXI485 required to communicate with Area Manager in Modbus

Pack	Cat.Nos	**Measurement modules**	Number of modules
		For measuring current, voltage, active/reactive power and other values Conform to IEC/EN 61557-12 Accuracy: class 0.5	
		Direct connection up to 63 A with closed Rogowski coils Allow the passage of prong-type supply busbars (upper side) Supplied with closed Rogowski coils	
1	BT-F80BMT63	3 x single-phase measuring module + 3 coils Consumption: 0,418 W - 34,8 mA (12 V =)	1
1	BT-F80BMM63[1]	Single-phase measuring module + 1 coil Consumption: 0.409 W - 34.1 mA (12 V =)	1
1	BT-F80BM3M63[1]	3-phase measuring module + 3 coils Consumption: 0.418 W - 34.8 mA (12 V =)	1
		Direct connection up to 125 A with closed Rogowski coils Allow the passage of prong-type supply busbars (upper side) Supplied with closed Rogowski coils	
1	BT-F80BMT125	3-phase measuring module + 3 coils Consumption: 0.418 W - 34.8 mA (12 V =)	1
		Direct connection with open, fexible Rogowski coils Allow the passage of prong-type supply busbars (upper side) Supplied with opened, fexible Rogowski coils and fixing supports for busbars	
1	BT-F80BMR630	3-phase measuring module + 3 coils up to 630 A Consumption: 0.418 W - 34.8 mA (12 V =)	1
1	BT-F80BMR1600	3-phase measuring module + 3 coils up to 1600 A Consumption: 0.418 W - 34.8 mA (12 V =)	1
1	BT-F80BMR3200	3-phase measuring module + 3 coils up to 3200 A Consumption: 0.418 W - 34.8 mA (12 V =)	1
1	BT-F80BMR6300	3-phase measuring module + 3 coils up to 6300 A Consumption: 0.418 W - 34.8 mA (12 V =)	1
		Connection with CT	
1	BT-F80BMT	5 A measuring module connected via current transformers (CT) Consumption: 0.391 W - 32.6 mA (12 V =)	1

Pack	Cat.Nos	**Extension kits for Rogowski coils**
		Supplied with connectors
1	BT-F80BMKIT1	Length: 1 m
1	BT-F80BMKIT3	Length: 3 m

Pack	Cat.Nos	**Pulse concentrator**	Number of modules
1	BT-F80BI[1]	For collecting and transmitting measurements taken by universal pulse energy meters (water, gas, etc...) Up to 3 pulse circuits Consumption: 0.288 W - 24 mA (12 V =)	1

		State reporting modules	Number of modules
1	BT-F80BCR[1]	**Auxiliary + fault signalling contact** Indicates the position of the contacts and the fault tripping of its associated device. To fit on the left-hand side of DX[3] MCBs, RCCBs, RCBOs and isolating switches Consumption: 0.236 W - 19.7 mA (12 V =)	0.5
1	BT-F80BVS[1]	**Universal signalling module** Equipped with 3 LED lights: green, red and yellow Indicates various type of information, according to selected configuration: contacts position, plugged-in or drawn-out product, etc... Equipped with DIP switches (on the side) allowing product configuration: selection of information type and of the LED behaviour Compatible with ⌐ rail mounting protection devices or head equipment (DMX[3] and DPX[3]) Consumption: 0.377 W - 31.4 mA (12 V =)	1

		Universal control module	Number of modules
1	BT-F80BC[1]	2 relays: 240 V ∿ - 6 A Enables to remotely control different electrical loads or motorised controls associated to ⌐ rail mounting protection devices or head equipment (DPX[3] MCCBs) Equipped with DIP switches (on the side) allowing product configuration: contact type (NO + NC, 2 NO, etc...) and function (maintained or momentary contact) Consumption: 0.456 W - 38 mA (12 V =)	1

1: Enables upstream busbar connection

BTDIN: energy management system

measurement and supervision system (continued)

BT-F80BV   BT-F80BIM1   BT-PM1AC   BT-F80BA

Conform to IEC/EN 61131-2 (Programmable controllers)
BTDIN energy management system enables to measure, control and visualize the state of ⌐ rail mounting protection devices
(MCBs, RCCBs, RCBOs, etc...) or head equipment (ACBs, MCCBs, etc...), locally ("Stand alone") or remotely. All the modules of the system are
equipped with two specific communication ports: one at the backside (for communication rail) and one underneath (for patch cords)
Power supply with specific module F80BA
Remote configuration possible with the help of the Energy Management Configuration Software, available for free download via IME WEB site
(giving also access to a 30-day trial version of Energy Management Software)
Communication interface Cat.Nos 4 149 40, F80BIM1, SXI485 required to communicate with Area Manager in Modbus

Pack	Cat.Nos	Stand alone configuration module	
		⌐ rail mounting	Number of modules
1	BT-F80BV[1]	Optional module for "stand alone" supervision need. Enables to configure, test and control BTDIN energy management system and to visualize supervision data. No computer or IP connection required. Consumption: 0.438 W - 36.5 mA (12 V ⎓). Menu languages: English, French, Italian, Flemish, Polish, Spanish, German, Portuguese and Turkish	4
		Communication interfaces	
		RS485 / BTDIN energy management system	Number of modules
1	BT-F80BIM1	RS485 / BTDIN energy management system conversion. Consumption: 0.344 W - 28.7 mA (12 V ⎓)	1
1	BT-PM1AC	**RS485 / Ethernet** RS485 / Ethernet conversion (for connection to an IP network)	3
		Power supply module	Number of modules
1	BT-F80BA	500 mA 12 V ⎓ stablized power supply module for BTDIN energy management system	1

Pack	Cat.Nos	Connection accessories	
		Communication rails To be fitted on ⌐ rail or spacer. Allows data transmission between the different modules of BTDIN energy supervision system	
1	BT-F80BR18[2]	18 modules	
1	BT-F80BR24[2]	24 modules	
1	BT-F80BR36[2]	36 modules	
		Communication patch cords Allows data transmission between the different modules of BTDIN energy supervision system. Can be used instead of communication rails or to create a link between two rows (individually connected with communication rails)	
1	BT-F80BC250	Length 250 mm (10 patch cords)	
1	BT-F80BC500	Length 500 mm (10 patch cords)	
1	BT-F80BC1000	Length 1000 mm (5 patch cords)	
		Communication patch cord connector Enables to extend communication patch cords length by clipping them together. Max. length: 3 m	
1	BT-F80BCA		
		Plastic cover for communication rail Must be used for protection of the unused parts of the communication rail. Length: 36 modules. Can be cut to the required length. Fixing: direct clip on to the rail	
1	BT-F80BRA		

1: Enables upstream busbar connection
2: For other lengths, please consult us

CONTO energy meters

MID and standard version for direct and CT connection

BT-CE2DF3DTCl1   BT-CE4DF3DTCL1   BT-CE4TBDTCL1   BT-CE6DT1256

Pack	Cat.Nos	**Conto D2**
		Direct connection for single-phase lines up to 63A
		Use in supervisory systems
		Positive and negative active energy
		Tariff 1 and tariff 2 active and reactive energy
		Indication of the tariff in use
		Current/Voltage/Frequency
		Power factor
		Active, reactive and apparent power
		Phase active and apparent power
		Average and maximum active power
		Programmable hour counter
		Display on 9 digits and 4 quadrants
		Double tariff or pulse input
		Pulse output, M-Bus or RS485 Modbus RTU (depending of the versions)

Pack	Cat.Nos	Line	Type	Outputs
1	BT-CE2DF3DTCl1	1L+N	standard	RS485 Modbus RTU
1	BT-CE2DF3DTMID	1L+N	MID	RS485 Modbus RTU

Conto D4-Pd

Direct connection for three-phase line up to 63A with 3 or 4 wires
Use in supervisory systems
Positive and negative active energy
Tariff 1 and tariff 2 active and reactive energy
Indication of the tariff in use
Current/Voltage/Frequency
Power factor
Active, reactive and apparent power
Phase active and apparent power
Average and maximum active power
Programmable hour counter
Display on 9 digits and 4 quadrants
Double tariff or pulse input
Pulse output, M-Bus or RS485 Modbus RTU (depending of the versions)

Pack	Cat.Nos	Line	Type	Outputs
1	BT-CE4DF3DTCL1	3L / 3L + N	standard	RS485 Modbus RTU
1	BT-CE4DF3DTMID	3L / 3L + N	MID	RS485 Modbus RTU

Pack	Cat.Nos	**Conto D4-Pt**
		Connection via CT for single-phase and three-phase line up to 63A, 3 or 4 wires
		Use in supervisory systems
		Positive and negative active energy at the terminals
		Primary side active and reactive energy (CT/VT)
		Tariff 1 and tariff 2 active and reactive energy
		Indication of the active tariff
		Current/Voltage/Frequency
		Power factor
		Active, reactive and apparent power
		Phase active and apparent power
		Average and maximum active power
		Programmable hour meter Visualization on 9 digits and 4 dials
		Double entrance fee
		M-Bus or RS485 Modbus RTU output (depending on the version)

Pack	Cat.Nos	Line	Type	Outputs
1	BT-CE4TBDTCL1	100 -110	standard	RS485 Modbus RTU
1	BT-CE4TBDTMID	3L /3L + N	MID	RS485 Modbus RTU

Conto D6-Pd

Direct connection for three-phase network, 4-wires
It makes available active or reactive energy counting of the pulse output to integration of consumption supervision systems
For supervision systems, through the model with output RS485 communication Modbus RTU, you can transmitted on the network main electrical parameters in addition to the energy consumption
Total active and reactive energy (positive)
Partial active and reactive energy (resettable)
Instantaneous current, voltage and frequency
Active and reactive power (three-phase and single phase)
Power Factor
Run hour meter (count start 0.4÷50% rated power)

Pack	Cat.Nos	Line	Type	Outputs
1	BT-CE6DT1256	3L + N	standard	RS485 Modbus RTU
1	BT-CE6DMID56	3L + N	MID	RS485 Modbus RTU

NEMO multifunction units
modular solutions for DC networks

BT-MF6HT40003   BT-MF6DC4200H

NEMO multifunction units
modular solutions for AC networks

BT-MFD45E06   BT-MFD4421

NEMO D4-L+

Connection via CT for single and three-phase network, 3 or 4-wires
Phase sequence correction, diagnostic
Makes available active or reactive energy counting of the pulse output to integration of consumption supervision systems
For supervision systems, through the model with output RS485 communication ModbusRTU: allows to transmit on the network main electrical parameters in addition to the energy consumption

Pack	Cat.Nos	Input (A)	Input (V)	Auxiliary power supply	Outputs
1	BT-MF6HT40003	1 + 5	80÷480	115 Vac	Pulses + RS485 ModBus RTU/TCP
1	BT-MF6HT40006	1 + 5	80÷480	230Vac	Pulses + RS485 ModBus RTU/TCP
1	BT-MF6HT4000H	1 + 5	80÷480	20÷150 Vdc + 48 Vac	Pulses + RS485 ModBus RTU/TCP

NEMO D4-Dc

Direct voltage input by external adapter up to 1500V Direct Current input or from shunt (selectable)
- Direct input up to 10A direct current
- Input from shunt 60 - 100 - 150mV
Makes available active or reactive energy counting of the pulse output to integration of consumption supervision systems
For supervision systems, through the model with output RS485 communication ModbusRTU: allows to transmit on the network main electrical parameters in addition to the energy consumption

Pack	Cat.Nos	Input (V)	Auxiliary power supply	Outputs
1	BT-MF6DC4200H	10÷300V	20÷150 Vdc + 48 Vac	Pulses + 2 alarms + RS485 ModBus RTU
1	BT-MF6DC42006	10÷300V	230Vac	Pulses + 2 alarms + RS485 ModBus RTU
1	BT-MF6DC4206H	50÷1500V	20÷150 Vdc + 48 Vac	2 alarms + RS485 ModBus RTU
1	BT-MF6DC42066	50÷1500V	230Vac	2 alarms + RS485 ModBus RTU
1	BT-MF6DC42M66	50÷1500V	230Vac	2 alarms +RS485 Modbus RTU (4-20mA)

NEMO D4-e

Connection via CT for single and three-phase network, 3 or 4-wires
Phase sequence correction, diagnostic
Makes available active or reactive energy counting of the pulse output to integration of consumption supervision systems
For supervision systems, through the model with output RS485 communication ModbusRTU: allows to transmit on the network main electrical parameters in addition to the energy consumption

Pack	Cat.Nos	Input (A)	Input (V)	Auxiliary power supply
1	MFD45E06	1 + 5	80÷480	230Vac

NEMO D4-Le

Connection via CT for single and three-phase network, 3 or 4-wires
Phase sequence correction, diagnostic
Makes available active or reactive energy counting of the pulse output to integration of consumption supervision systems
For supervision systems, through the model with output RS485 communication ModbusRTU: allows to transmit on the network main electrical parameters in addition to the energy consumption
2 active digital inputs for tariff counting (4 registers) or external pulse counting

Pack	Cat.Nos	Input (A)	Input (V)	Auxiliary power supply	Outputs
1	BT-MFD4421	1 + 5	80÷500	80÷265Vac 100÷300Vdc	RS485
1	BT-MFD44B1	1 + 5	80÷500	80÷265Vac 100÷300Vdc	RS485
1	BT-MFD4422	1 + 5	80÷500	20÷60 Vdc	RS485
1	BT-MFD44B2	1 + 5	80÷500	20÷60 Vdc	RS485
1	BT-MFD4421/F1500	1 + 5	80÷500 (P-P)	80÷265Vac	RS485
1	BT-MFD4421/F1501	1 + 5	80÷500 (P-N)	80÷265Vac	RS485
1	BT-MFD4422/F1500	1 + 5	80÷500	20÷60Vac	RS485

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NEMO multifunction units

flush mounting multifunction units (96x96mm and 72x72mm)

BT-MF96E06	BT-MF96421	BT-MF96021A	BT-MFQ96021	BT-MF72421	BT-IF96001	BT-IF96012

NEMO 96HDe

Connection via CT for single and three-phase network, 4-wires
Phase sequence correction, diagnostic
Makes available active or reactive energy counting of the pulse output to integration of consumption supervision systems
For supervision systems, through the model with output RS485 communication ModbusRTU: allows to transmit on the network main electrical parameters in addition to the energy consumption

Pack	Cat.Nos	Input (A)	Input (V)	Auxiliary power supply	Output
1	BT-MF96E06	5	500	Self-supplied	RS485

NEMO 96HDLe

Connection via CT for single and three-phase network, 3 or 4-wires
Phase sequence correction, diagnostic
Can be accessorised with an additional modules
Makes available active or reactive energy counting of the pulse output to integration of consumption supervision systems
For supervision systems, through the model with output RS485 communication ModbusRTU: allows to transmit on the network main electrical parameters in addition to the energy consumption

Pack	Cat.Nos	Input (A)	Input (V)	Auxiliary power supply	Outputs
1	BT-MF96421	1 + 5	80÷500	80÷265Vac 100÷300Vdc	RS485
1	BT-MF96422	1 + 5	80÷500	16÷60Vdc	RS485

NEMO 96HD+

Connection via CT for single and three-phase network, 3 or 4-wires
Phase sequence correction, diagnostic
Can be accessorised with up to 4 additional modules

Pack	Cat.Nos	Input (A)	Input (V)	Auxiliary power supply	Outputs
1	BT-MF96021A	1 + 5	80÷690	80÷265Vac 100÷300Vdc	up 4 additional modules
1	BT-MF96022A	1 + 5	80÷690	16÷60Vdc	up 4 additional modules

NEMO 96 EA

Quality of the energy:
- Harmonics (U&I) up to 40°
- Overvoltages
- Network interruption
- Quick variation of voltage
- Instability
- Memory included (8Mb)
- RTC (Real time clock)

Pack	Cat.Nos	Input (A)	Input (V)	Auxiliary power supply	Outputs
1	BT-MFQ96021	1 + 5	80÷690	80÷265Vac 100÷300Vdc	RS485
1	BT-MFQ96022	1 + 5	80÷690	16÷60Vdc	up 4 additional modules

NEMO 72-Le

Quality of the energy:
- Harmonics (U&I) up to 40°
- Overvoltages
- Network interruption
- Quick variation of voltage
- Instability
- Memory included (8Mb)
- RTC (Real time clock)

Pack	Cat.Nos	Input (A)	Input (V)	Auxiliary power supply	Outputs
1	BT-MF72421	1 + 5	80÷500	80÷265Vac 100÷300Vdc	RS485
	BT-MF724B1	1 + 5	80÷500	80÷265Vac 100÷300Vdc	RS485
	BT-MF72422	1 + 5	80÷500	20÷60 Vdc	RS485
1	BT-MF724B2	1 + 5	80÷500	20÷60 Vdc	RS485

Additional modules

Pack	Cat.Nos	
1	BT-IF96001	Module RS485 Modbus RTU/TCP
1	BT-IF96012	Module RS485 Modbus RTU/TCP + memory

NEMO multifunction units

EASYCONNECT multifunction units for three-phase networks

BT-MKD4R63DT   BT-MF96ORFCDT1

Easyconnect BASIC

Multifunction bidirectional analyser for three or four wires three-phase systems
Thanks to the 63A and 125A mini current sensors being fitted with quick connectors, in addition to the display of the main values of an electrical network, the device also allows to reduce wiring times and the possibility of errors
Measurements completed by the device

Pack	Cat.Nos	Input (A)	Input (V)	Auxiliary power supply	Outputs
1	BT-MKD4R63DT	3x63A	400V (L-L)	230Vac	RS485
1	BT-MKD4R125DT	3x125A	400V (L-L)	230Vac	RS485
1	BT-MK96R63DT	3x63A	400V (L-L)	Self-supplied	M-bus
1	BT-MK96R125DT	3x125A	400V (L-L)	Self-supplied	RS485

Universal Easyconnect BASIC

Pack	Cat.Nos	Input (A)	Input (V)	Auxiliary power supply	Outputs
1	BT-MFD4ORFCDT1	630÷6300A	400V (L-L)	230Vac	RS485
1	BT-MF96ORFCDT1	630÷6300A	400V (L-L)	Self-supplied	RS485

Rogowski open type coils

Cable lenght 2m

Pack	Cat.Nos	Input (A)	Minimum current (A)	Current max (A)	Diameter (mm)
1	BT-ROG630M2	630	12.5	750	50
1	BT-ROG1600M2	1600	32.5	1950	100
1	BT-ROG3200M2	3200	65	3900	150
1	BT-ROG6300M2	6300	125	7500	240

Easyconnect STANDARD

Multifunction bidirectional analyser for three and four wires systems
Thanks to the 630A to 6300A openable current sensors being fitted with quick connectors, in addition to the display of the main values of an electrical network, the device also allows to reduce wiring times and the possibility of errors
Measurements completed by the device
Self-supplied version

Pack	Cat.Nos	Input (A)	N° of inputs A	Input (V)	Outputs
1	BT-MFD41ORFCDT	630÷6300A	1	400V (L-L)	RS485
1	BT-MFD42ORFCDT	630÷6300A	2	400V (L-L)	RS485
1	BT-MF961ORFCDT	630÷6300A	1	400V (L-L)	RS485
1	BT-MF962ORFCDT	630÷6300A	2	400V (L-L)	RS485

Extension cable codes

Pack	Cat.Nos	
1	BT-ROGEXTM1	Length 1 m
1	BT-ROGEXTM3	Length 3 m

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NEMO SX: energy management system

measurement and supervision system

BT-SXMM63   BT-SXMMT5   BT-SXMIMP   BT-SXMC02   BT-SXM0C1

Conform to IEC/EN 61131-2 (Programmable controllers)
NEMO SX energy management system enables to measure, control and visualize the state of ⊔ rail mounting protection devices (MCBs, RCCBs, RCBOs, etc...) and head equipment (DMX[3] and DPX[3]), locally ("Stand alone") or remotely. All the modules of the system are equipped with two specific communication ports: one at the backside (for communication rail) and one underneath (for communication patch cords). Power supply with specific module SXAA230
Remote configuration possible with the help of the Energy Management Configuration Software, available for free download via IME WEB site (giving also access to a 30-day trial version of Energy Management Software)
Communication interface Cat.Nos 4 149 40, F80BIM1, SXI485 required to communicate with Area Manager in Modbus

Pack	Cat.Nos	**Measurement modules**	Number of modules
		For measuring current, voltage, active/reactive power and other values Conform to IEC/EN 61557-12 Accuracy: class 0.5 **Direct connection up to 63 A with closed Rogowski coils** Allow the passage of prong-type supply busbars (upper side) Supplied with closed Rogowski coils	
1	BT-SX3M63	3 x single-phase measuring module + 3 coils Consumption: 0,418 W - 34,8 mA (12 V ⎓)	1
1	BT-SXMM63	Single-phase measuring module + 1 coil Consumption: 0.409 W - 34.1 mA (12 V ⎓)	1
1	BT-SXMT63	3-phase measuring module + 3 coils Consumption: 0.418 W - 34.8 mA (12 V ⎓)	1
		Direct connection up to 125 A with closed Rogowski coils Allow the passage of prong-type supply busbars (upper side) Supplied with closed Rogowski coils	
1	BT-SXMT125	3-phase measuring module + 3 coils Consumption: 0.418 W - 34.8 mA (12 V ⎓)	1
		Direct connection with open, fexible Rogowski coils Allow the passage of prong-type supply busbars (upper side) Supplied with opened, fexible Rogowski coils and fixing supports for busbars	
1	BT-SXMR02	3-phase measuring module + 3 coils up to 630 A Consumption: 0.418 W - 34.8 mA (12 V ⎓)	1
1	BT-SXMR04	3-phase measuring module + 3 coils up to 1600 A Consumption: 0.418 W - 34.8 mA (12 V ⎓)	1
1	BT-SXMR06	3-phase measuring module + 3 coils up to 3200 A Consumption: 0.418 W - 34.8 mA (12 V ⎓)	1
1	BT-SXMR08	3-phase measuring module + 3 coils up to 6300 A Consumption: 0.418 W - 34.8 mA (12 V ⎓)	1
		Connection with CT	
1	BT-SXMMT5	5 A measuring module connected via current transformers (CT) Consumption: 0.391 W - 32.6 mA (12 V ⎓)	1

Pack	Cat.Nos	**Extension kits for Rogowski coils**	
		Supplied with connectors	
1	BT-ROGEXTM1	Length: 1 m	
1	BT-ROGEXTM3	Length: 3 m	

Pack	Cat.Nos	**Pulse concentrator**	Number of modules
1	BT-SXMIMP	For collecting and transmitting measurements taken by universal pulse energy meters (water, gas, etc...) Up to 3 pulse circuits Consumption: 0.288 W - 24 mA (12 V ⎓)	1

		State reporting modules	Number of modules
		Universal signalling module	
1	BT-SXMC02	Equipped with 3 LED lights: green, red and yellow Indicates various type of information, according to selected configuration: contacts position, plugged-in or drawn-out product, etc... Equipped with DIP switches (on the side) allowing product configuration: selection of information type and of the LED behaviour Compatible with ⊔ rail mounting protection devices or head equipment (DMX[3] and DPX[3]) Consumption: 0.377 W - 31.4 mA (12 V ⎓)	1

		Universal control module	Number of modules
1	BT-SXM0C1	2 relays: 240 V ∿ - 6 A Enables to remotely control different electrical loads or motorised controls associated to ⊔ rail mounting protection devices or head equipment (DPX[3] MCCBs) Equipped with DIP switches (on the side) allowing product configuration: contact type (NO + NC, 2 NO, etc...) and function (maintained or momentary contact) Consumption: 0.456 W - 38 mA (12 V ⎓)	1

NEMO SX: energy management system

measurement and supervision system (continued)

BT-SXV01   BT-SXI485   BT-SXIIP   BT-SXAA230

Conform to IEC/EN 61131-2 (Programmable controllers)
NEMO SX energy management system enables to measure, control and visualize the state of ⊔ rail mounting protection devices (MCBs, RCCBs, RCBOs, etc...) or head equipment (ACBs, MCCBs, etc...), locally ("Stand alone") or remotely. All the modules of the system are equipped with two specific communication ports: one at the backside (for communication rail) and one underneath (for patch cords)
Power supply with specific module SXAA230
Remote configuration possible with the help of the Energy Management Configuration Software, available for free download via IME WEB site (giving also access to a 30-day trial version of Energy Management Software)
Communication interface Cat.Nos 4 149 40, F80BIM1, SXI485 required to communicate with Area Manager in Modbus

Pack	Cat.Nos	**Stand alone configuration module**	
		⊔ rail mounting	Number of modules
1	BT-SXV01[1]	Optional module for "stand alone" supervision need. Enables to configure, test and control NEMO SX energy management system and to visualize supervision data. No computer or IP connection required. Consumption: 0.438 W - 36.5 mA (12 V ⎓). Menu languages: English, French, Italian, Flemish, Polish, Spanish, German, Portuguese and Turkish	4
		Communication interfaces	
		RS485 / NEMO SX energy management system	Number of modules
1	BT-SXI485	RS485 / NEMO SX energy management system conversion. Consumption: 0.344 W - 28.7 mA (12 V ⎓)	1
1	BT-SXIIP	**RS485 / Ethernet** RS485 / Ethernet conversion (for connection to an IP network)	3
		Power supply module	Number of modules
1	BT-SXAA230	500 mA 12 V ⎓ stablized power supply module for NEMO SX energy management system	1

Pack	Cat.Nos	**Connection accessories**	
		Communication rails To be fitted on ⊔ rail or spacer. Allows data transmission between the different modules of NEMO SX energy supervision system	
1	BT-SXAR18[2]	18 modules	
1	BT-SXAR24[2]	24 modules	
1	BT-SXAR36[2]	36 modules	
		Communication patch cords Allows data transmission between the different modules of NEMO SX energy supervision system. Can be used instead of communication rails or to create a link between two rows (individually connected with communication rails)	
1	BT-SXAC250	Length 250 mm (10 patch cords)	
1	BT-SXAC500	Length 500 mm (10 patch cords)	
1	BT-SXAC1000	Length 1000 mm (5 patch cords)	
1	BT-SXACA	**Communication patch cord connector** Enables to extend communication patch cords length by clipping them together. Max. length: 3 m	
1	BT-SXARC	**Plastic cover for communication rail** Must be used for protection of the unused parts of the communication rail. Length: 36 modules. Can be cut to the required length. Fixing: direct clip on to the rail	

1: Enables upstream busbar connection
2: For other lengths, please consult us

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