



LUXOR 400 (Basic module)

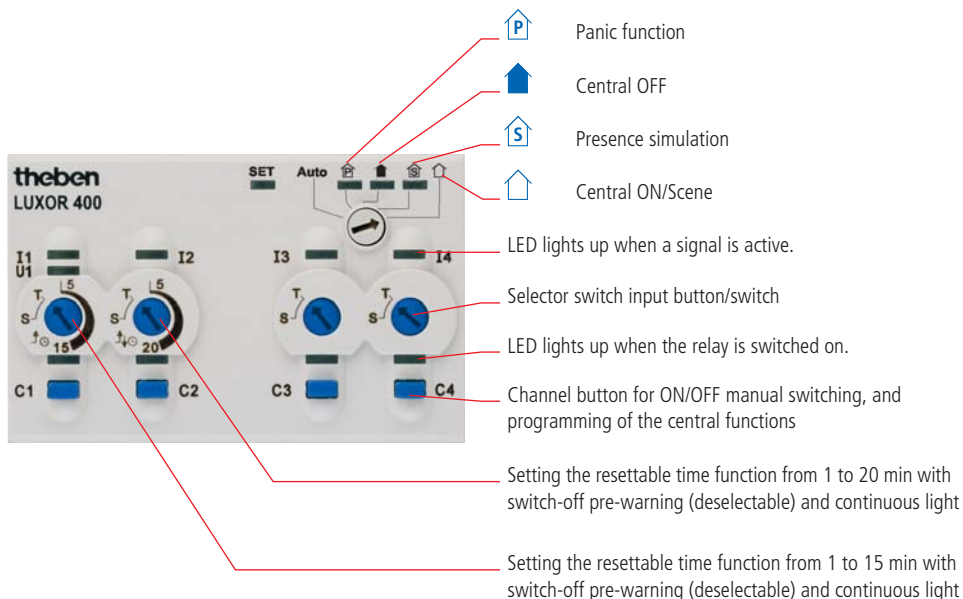


Luxury installation, simple and favorably priced!
For the first time, it is possible to realize a luxury installation in every housing facility. With LUXOR, we offer you the opportunity to satisfy the needs such as **safety, comfort and energy savings** of every home owner.

Function:
Modularly extendable system for standard living comfort installation. REG modules connected by means of a 2-wire COM interface. Expandable with up to 16 modules. Absolute functional safety by means of the "standalone" function of each module. The U and I 4 inputs are potential-free. Settings are very easy to make directly on the module.

- LUXOR 400 (base module)**
- Base module, expandable with up to 16 modules.
 - 4 x 16 A switching outputs
 - Manual switching
 - LEDs for displaying input/output signals
 - Potentiometers for adjusting the time functions
 - U1: Universal voltage input 8-48 V AC/DC
 - I 4 (L) and I 4 (N) for connecting FI (RCD) for wet rooms
 - 2-wire COM interface for communication with other modules
 - Adjustment possible for central ON/OFF, panic, and presence simulation
 - From generation*** capable of communication with LUXOR 411/412 and 414

Operator interface:



Technical data:

Operating voltage: 230 V~, +10 %/–15 %

Mains frequency: 50 Hz

Device consumption: approx. 4 VA

Switching outputs: 16 (6) A/250 V~

Connecting cable button/switch:

230 V phase-independent supply cable

Cable length up to 100 m

2-wire connection for COM:

Cross-section as desired/length up to 100 m

Admissible ambient temperature:

–10 °C ... +50 °C

Protection class:

Control unit: II according to EN 60730-1

when mounted in accordance with its designated use

Protection type:

Control units: IP 20 according to EN 60529

Channels:

C1: Current pulse or time function

1...15 min with switch-off pre-warning
(deselectable)/resettable and continuous function

C2: Current pulse or time function

1...20 min with switch-off pre-warning
(deselectable)/deactivatable and continuous function

C3: Current pulse function

C4: Current pulse function suitable for FI (RCD) in wet rooms

Input cable length:

up to 100 m, 230 V cables single- and multi-pole (NYM cable, NYIF riser, H05/H07 PVC wires)

Use a screwdriver for programming

- U and I 4 inputs are potential-free
- I 4 (L) I 4 (N) special connections for FI (RCD) in wet rooms
- U1 is a universal voltage input for the activation via intercoms (8-48 V AC/DC)
- Manual operation on the device for the installation test
- Time range settings very easy to make directly on the device
- Each module operates fully independently of the others (standalone function)

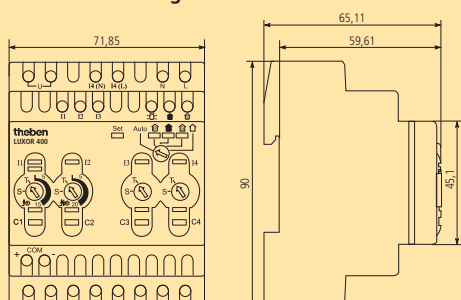
For the online configurator, go to www.luxor400.com

Order No.

LUXOR 400 (Basic module)

400 0 000

Dimension drawings





LUXOR 404 (4-channel extension)



LUXOR 402 (2-channel extension)

Function:

Modular upgradeable LUXOR system for the standard living comfort installation. REG modules connected via a 2-wire COM interface. Upgradeable to max. 16 modules. Wholly reliable functionality thanks to the “stand-alone” function of each module. Completely floating and phase-independent inputs/outputs. Simplest settings on the module itself.

LUXOR 404

- 4 channel upgrade module
- 4 x 16 A switching outputs
- Manual controls
- Display LED's
- Potentiometers for setting the time function
- I 4 (N) and I 4 (L) for connecting FI (RCD) for wet rooms
- U and I 4 inputs are potential-free
- Switch-off pre-warning deselectable

LUXOR 402

- 2 channel upgrade module
- 2 x 16 A switching outputs with deactivatable time function
- Manual controls
- Display LED's
- Key/switch selection option
- U and I 4 inputs are potential-free
- Switch-off pre-warning deselectable

Technical data:

Operating voltage: 230 V, +10 %/–15 %

Mains frequency: 50 Hz

Power consumption: approx. 4 VA

Switch outputs: 16 (6) A/250 V~

Contacts: floating working contact

Key/switch connection:

230 V phase-independent supply cable
cable length max. 100 m

2-wire connection for COM:

Any cross-section max. length 100 m

Permissible ambient temperature:

–10 °C ... +50 °C

Protection class: Control unit: II to EN 60730-1
for mounting with terminal box cover plate

Protection rating: Control unit: IP 20 to EN 60529

Channels:

C1: Current surge or time function

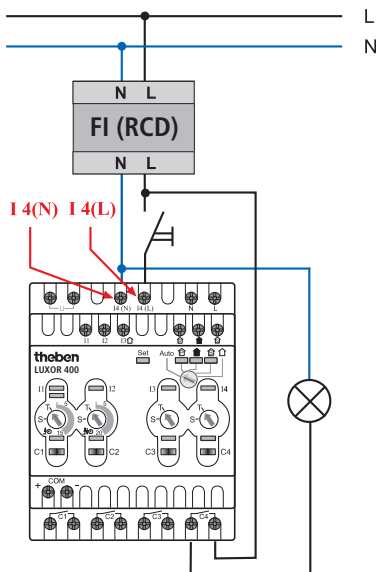
1...15 min with switch-off pre-warning (deselectable)/
resettable and continuous function (immediately
resettable)

C2: Current surge or time function

1...15 min with switch-off pre-warning (deselectable)/
resettable and continuous function (immediately
resettable)

C3: Current surge function (LUXOR 404 only)

**C4: Current surge function suitable for FI (RCD) for
wet rooms (LUXOR 404 only)**



Terminals for FI circuit breaker (RCD)

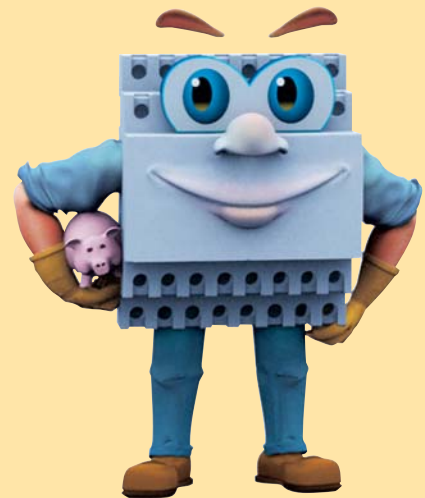
Application:

For wet rooms such as.: Bathroom

Caution!

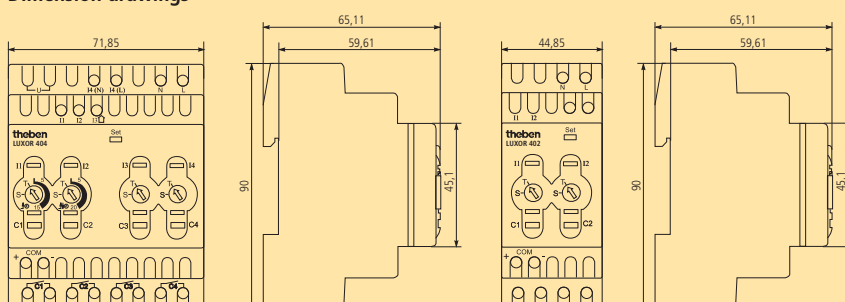
Connect the FI circuit breaker (RCD) on the I 4 (L) and I 4 (N) terminals only (see figure).

The I 4 (N) terminal must be connected with or without FI (RCD) in every type of application!



Leo Luxor
www.luxor400.com

Dimension drawings



Order No.

LUXOR 404 (4-channel extension)

404 0 000

LUXOR 402 (2-channel extension)

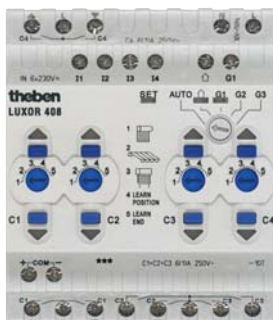
402 0 000



LUXOR 405 (Dimming module)



DMB 2 (Power extension)



LUXOR 408 (Shutter basic module)



LUXOR 409 (Shutter upgrade module)

■ LUXOR 405 2-channel dimming module

The LUXOR 405 upgrade module is a universal dimmer for various lamp loads. It is suitable for both conventional and electronic transformers. The device is also usable without basic module.

- 2-channel universal dimmer, each with 300 VA or 1-channel universal dimmer, with 500 VA
- Any number of keys can be connected to the inputs provided
- Selection programs P1 to P4 as setting option for the dimming response
- Manual controls and display LED's
- One additional input per channel for movement indicator
- Stand-alone function
- Overcurrent display
- CLEAR key for resetting in the event of malfunction
- Setting input for 3 light settings

■ DMB 2 Power extension

- Power extension (for LUXOR 405) of the 2 dimming channels from 2 x 600 VA/1 x 1000 VA

■ LUXOR 408 Shutter basic module

Basic shutter module for controlling a maximum of four shutters, blinds or awnings. The module can be controlled by all familiar standard shutter keys. There are three groups for individual channel programming and also the central UP/DOWN function. The module can be expanded with channel upgrades and also with a time and sensor module with connectable weather station.

- Selector switch for shutters, awnings and Venetian blinds for each channel
- Separate control of 4 shutters with UP/DOWN/STOP
- Central UP/DOWN of all shutters
- Group function for one shutter group
- Storable intermediate position for shading and ventilation
- UP/DOWN panic function controllable via LUXOR 400
- Manual controls and display LED's
- 6 A switching capacity per channel
- Expandable by channel upgrade modules, time and sensor module with optional connecting weather station

■ LUXOR 409 Shutter upgrade module

- Separate control of 4 shutters with UP/DOWN/STOP
- Central UP/DOWN of all shutters via LUXOR 408
- Group functions for two shutter groups
- Storable intermediate position for shading and ventilation
- UP/DOWN panic function controllable via LUXOR 400
- Manual controls and display LEDs
- 6 A switching capacity per channel

Technical data for LUXOR 405:

Operating voltage: 230 V~, +10 %/-15 %
Mains frequency: 50 Hz
Power consumption: approx. 3 VA
Dimmer outputs: 2 x 300 VA or 1 x 500 VA
 Suitable for filament bulbs, LV and HV halogen lamps
Connecting cable key: 230 V phase-independent supply cable, cable length max. 100 m
2-wire connection for COM:
 Any cross-section/max. length 100 m

Permitted ambient temperature: -10 °C ... +50 °C
Protection class to EN 60730-1: Control units: II for mounting with terminal box cover plate
Protection rating to EN 60529: Control units: IP 20

Channels:

C1: Universal dimmer with 300 VA
C2: Universal dimmer with 300 VA
C1 + C2: Universal dimmer with 500 VA

Technical data for LUXOR 408/LUXOR 409:

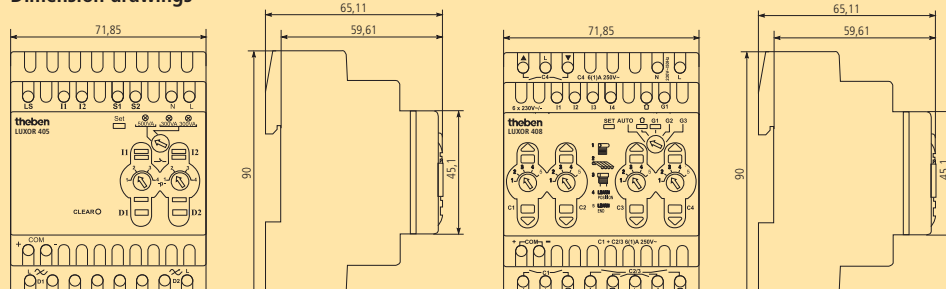
Operating voltage: 230 V~, +10 %/-15 %
Mains frequency: 50 Hz
Power consumption: approx. 4 VA
Switch outputs: 6 VA/250 V~
Connecting cable key: 230 V phase-independent supply cable, cable length max. 100 m
2-wire connection for COM:
 Any cross-section/max. length 100 m

Permitted ambient temperature: -10 °C ... +50 °C
Protection class to EN 60730-1: Control units: II for mounting with terminal box cover plate
Protection rating to EN 60529: Control units: IP 20

Channels:

C1 to C4: for shutter, blind and awning control

Dimension drawings



Order No.

LUXOR 405 (Dimming module)	405 0 000
LUXOR 408 (Shutter basic module)	408 0 000
LUXOR 409 (Shutter upgrade module)	409 0 000
DMB 2 (Power extension)	491 0 222



LUXOR 411 (sensor module)



Surface-mounted light sensor



LUXOR 413 (wind sensor optional)

LUXOR 411 (sensor module)

+ max. 3 light sensors + wind sensor

Automatic control of shutters, Venetian blinds and awnings as a function of brightness, and automatic control of the generation 3 exterior lighting.

If required, up to 3 light sensors with wall support can be connected to the control device.

- Three groups of blinds, e.g. on 3 different façades, can be controlled separately and moved automatically to pre-defined positions (0–100 %). This requires one light sensor for each façade.
- The automatic lighting control in the LUXOR system is effected by the dimming switch channel with a setting range of 1–100 lux. This allows, for example, entrance and house number lighting to be switched automatically (from generation 3***).
- The monitoring of the wind speed by means of the additional wind sensor LUXOR 413 allows the sun protection to drive automatically to a safe position, before damage can occur.
- The wind sensor (LUXOR 413) or the weather sensors can also be retrofitted later on to the sensor module LUXOR 411 (see page 102)
- For the wind sensor LUXOR 413, an additional power supply unit is required
- Cable length of the sensor lines up to 100 m

Technical data:

Operating voltage: 230 V~, +10 %/–15 %

Mains frequency: 50 Hz

Device consumption: 5.5 VA

Inputs:

3 light sensors

1 wind sensor (LUXOR 413) or:

connection for weather sensors (LUXOR 412) and

2 light sensors

Wind speed: 2–20 m/s

Brightness range:

3 channels x 1000–100,000 lx (sun protection)

1 channel x 1–100 lx (twilight value)

2-wire connection for COM:

Cross-section as desired/length up to 100 m

Admissible ambient temperature:

–10 °C ... +50 °C

Protection class according to EN 60730-1 when mounted in accordance with its designated use:

Control unit: II

Sensors: III

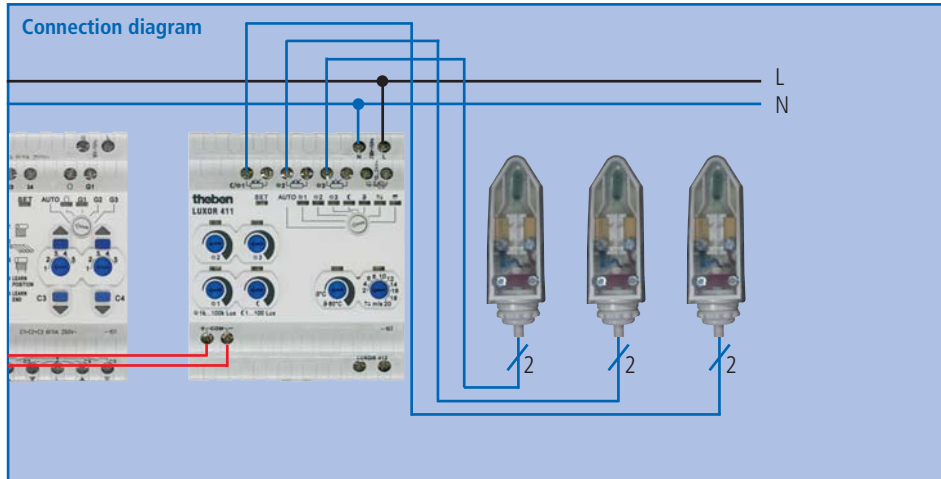
Protection type according to EN 60529:

Control units: IP 20

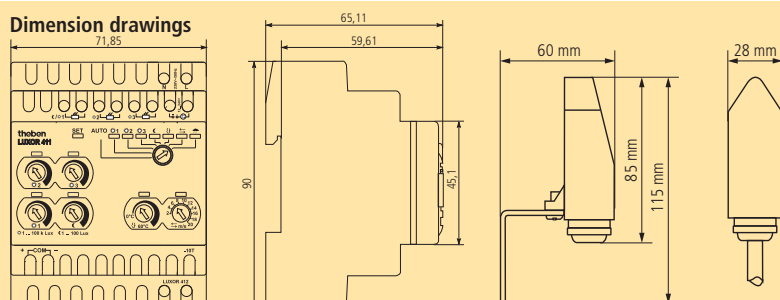
Sensors: LUXOR 413 IP 43

Mounted light sensor IP 54

Connection diagram



Dimension drawings



Accessories:



Power supply unit 24 V DC
(LUXOR 413)

Order No.

LUXOR 411 (sensor module)	411 0 000
Surface-mounted light sensor (max. 3)	907 0 008
LUXOR 413 (sensor module)	413 0 000
Power supply unit required for LUXOR 413 (4 modules)	907 9 330



LUXOR 411 (sensor module)



LUXOR 412 (weather sensory system)

LUXOR 411 + LUXOR 412 weather sensors

The complete system for the reliable control of awnings, shutters and Venetian blinds – regardless of stormy, rainy or snowy weather. The weather sensory system provide reliable protection, have everything under control and tell the individual channels of the shutter modules in the LUXOR system what they have to do. For example, which slat position the blinds are to move to, depending on the sun's position.

Starting from a set lux value, the pre-selected blinds/awnings will move automatically to the pre-defined position (0–100 %). Optionally, 2 additional light sensors can be used to control a total of 3 groups of blinds differently, e. g. for 3 façades.

- The monitoring of the wind speed allows the sun protection to drive automatically to a safe position, before damage can occur.
- Shutters, exterior and house number lighting can be controlled automatically by the LUXOR system by means of the twilight value setting. (from generation 3***)
- Simple wall mounting by sensor arm that can be tilted upward
- Optional mounting to pole up to Ø 60 mm
- Cable length of the sensor lines up to 100 m
- Frost is fixed to +3 °C, for awnings only

Technical data:

Operating voltage:

LUXOR 411: 230 V~, +10 %/–15 %

LUXOR 412 is supplied by LUXOR 411

Mains frequency: 50 Hz

Device consumption: 5.5 VA

Inputs:

Connection for weather sensors including wind, rain, temperature and integrated light sensors (LUXOR 412) optional: 2 additional light sensors, 1 wind sensor (LUXOR 413)

Brightness range:

max. 3 channels: 1000–100,000 lx (sun protection)

1 channel: 1–100 lx (twilight value)

Wind speed: 2–20 m/s

Temperature range: 0 °C ... +60 °C

2-wire connection for COM:

Cross-section as desired/length up to 100 m

Admissible ambient temperature:

Control unit: –10 °C ... +50 °C

Weather sensors: –20 °C ... +55 °C

Protection class according to EN 60 730-1 when mounted in accordance with its designated use:

Control unit: II

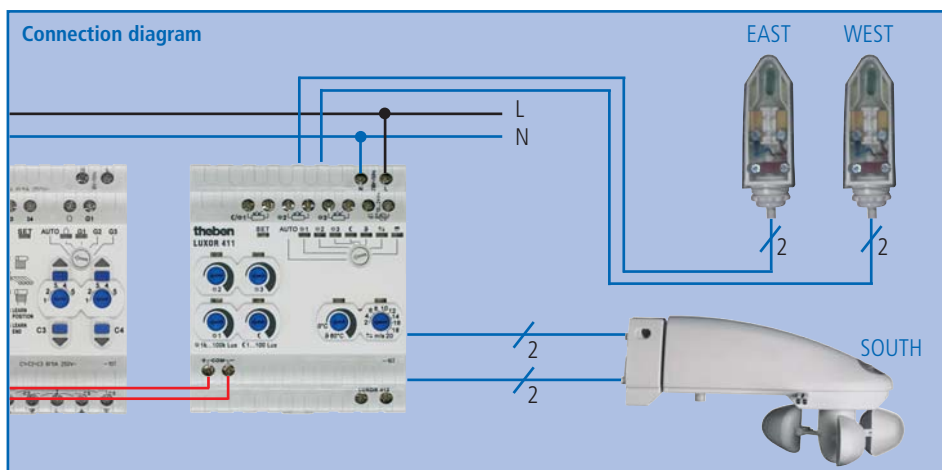
Sensors: II

Protection type according to EN 60 529:

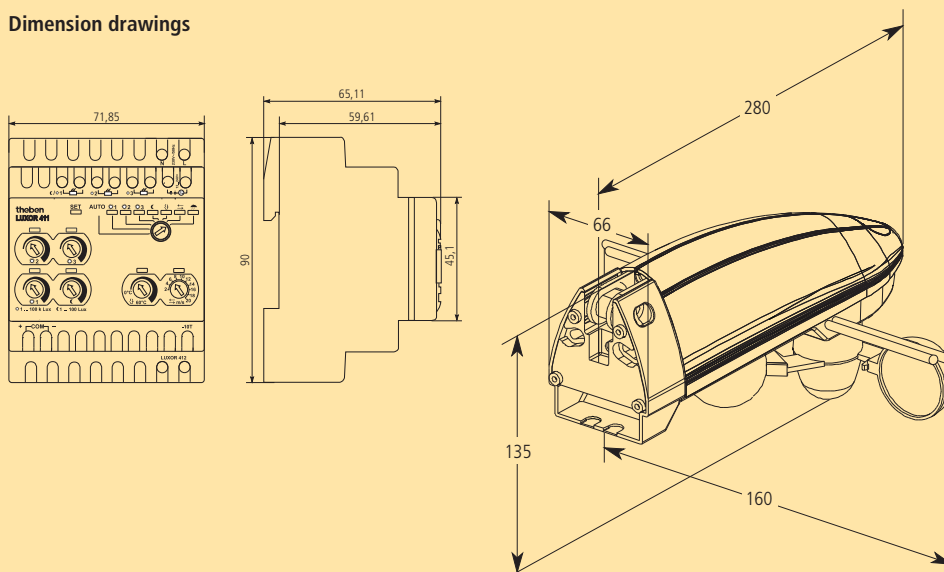
Control units: IP 20

Sensors: IP 44

Connection diagram



Dimension drawings



Order No.

LUXOR 411 (sensor module)

411 0 000

LUXOR 412 (weather sensory system)

412 0 000

Surface-mounted light sensor

907 0 008

Mast mounting (for LUXOR 412)

907 0 380



LUXOR 414 (clock modul)

LUXOR 414 (clock module)

8-channel system clock for controlling any outputs of the LUXOR system. The time switch provides daily and weekly programs and also includes the option of astronomical programs for switching in accordance with sunrise and sunset. These features allow blinds and shutters to be controlled and positioned comfortably and fully automatically in the range from 0 to 100 %. Automatic lighting control at the entrance area or all around the house provides increased safety at nightfall. The automatic nighttime switch-off provides saving of energy.

- 8 channels optionally with daily, weekly or astronomic program
- 128 freely programmable switching times and 732 preprogrammed astronomic switching times
- Local database for simple entering of the location
- Individual linking of the time switch channels to the outputs by means of a selector switch
- Positioning of drives (LUXOR 408/LUXOR 409) and transmission of the dimming values (LUXOR 405) in percent values 0–100 %
- Option to set manual or automatic mode
- Off periods to suppress brightness or twilight signals from the sensor module LUXOR 411 e. g. to suppress lighting in the early morning in summer
- Astronomic off periods to change the times of the up and down movements of shutters/awnings
- Offset ± 120 min
- Automatic summertime/wintertime change
- User guidance by means of text line in the display

Technical data:

Operating voltage: 230 V~, +10 %/–15 %

Mains frequency: 50 Hz

Device consumption: approx. 4 VA

2-wire connection for COM:

Cross-section as desired/length up to 100 m

Memory locations: 128

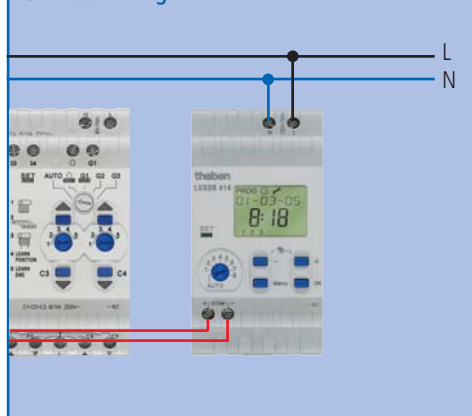
Power reserve: 5 h

Admissible ambient temperature: –10 °C ... +50 °C

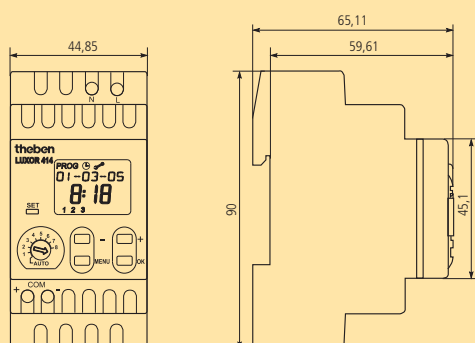
Protection class according to EN 60 730: II when mounted in accordance with its designated use

Protection type according to EN 60 529: IP 20

Connection diagram



Dimension drawings



Order No.

LUXOR 414 (clock modul)

414 0 000



LUXOR Set 2

Set 2:

Convenience set for a single-family house. 8 separate lighting points with 3 central functions and 4 time functions (for hallway, basement, outside lighting etc.).

LUXOR Set 2:

Suitable for 8 separate lighting units, 4 x time/switch and 4 x switch

- Box
- 1 LUXOR 400
- 1 LUXOR 404



LUXOR Set 3

Set 3:

The ideal set for a large single-family house with 10 separate lighting points and 4 time functions. Extra dimming channels for living rooms, bedrooms etc. This set also provides the advantages offered by the central functions.

LUXOR Set 3:

Suitable for 10 separate lighting units, 4 x time/switch and 4 x switch, 2 x dimming

- Box
- 1 LUXOR 400
- 1 LUXOR 404
- 1 LUXOR 405



LUXOR Set 4

Set 4:

The perfect set for controlling roller shutters and Venetian blinds. 8 drives can be controlled individually or in groups, as well as manually or automatically, based on a schedule or sunrise/sunset program. Blocked times allow you to prevent roller shutters and sun blinds from going up and down in early morning hours. Also with convenient central functions.

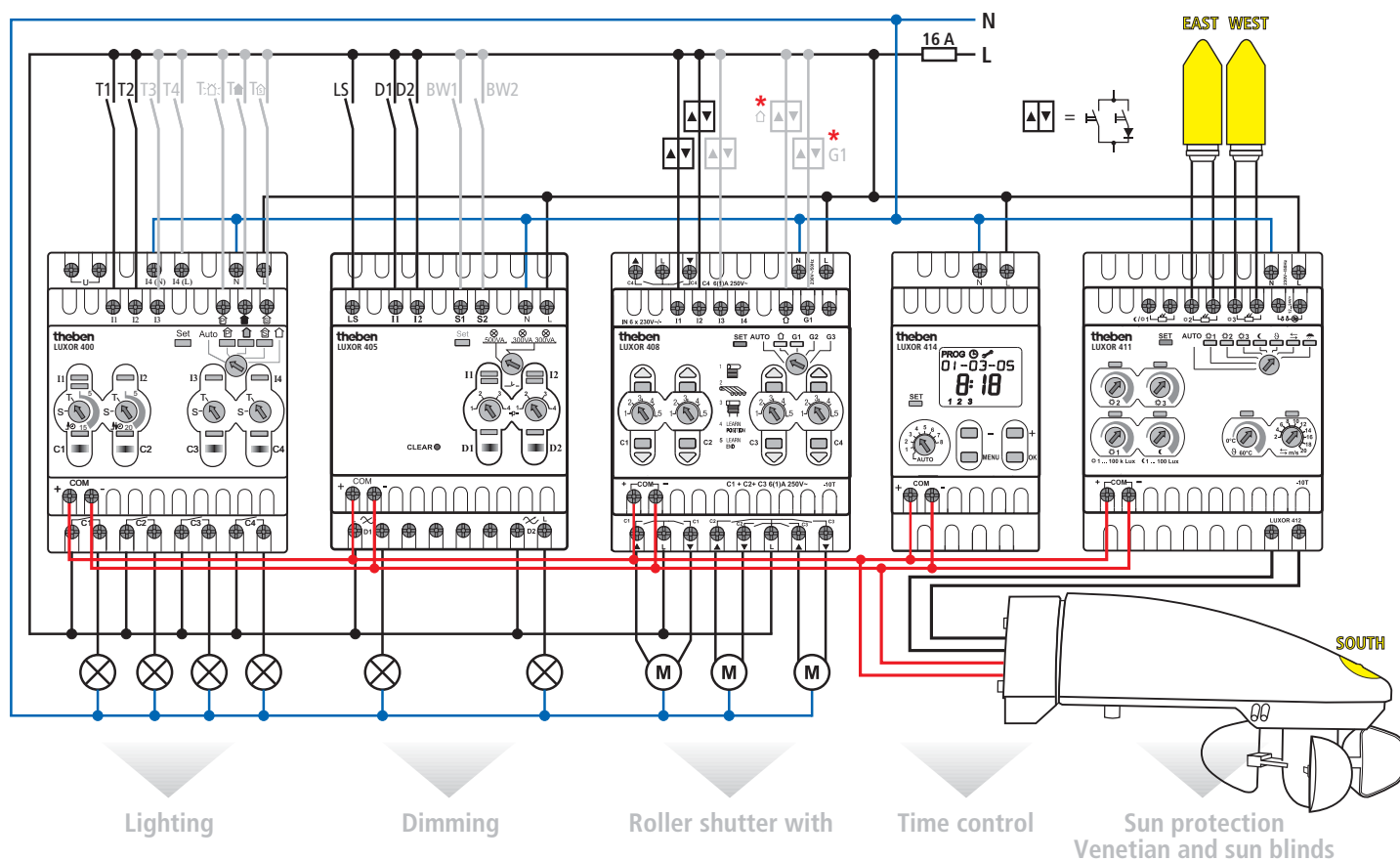
LUXOR Set 4:

Suitable for 8 drives for roller shutters and Venetian blinds, 8 drives and 8 time channels with week program and astronomical clock

- Box
- 1 LUXOR 408
- 1 LUXOR 409
- 1 LUXOR 414

All 4 sets can be expanded as needed.

Connection of inputs/outputs and comfort functions (example)



Type	Channels	Function	Central functions in conjunction with basic modules	Outputs floating	Nominal current at 250 V~	Order No.
LUXOR 400 Basic module	4	Switch Time	Presence simulation, Central OFF, Panic function	4 NO contact	16 A	400 0 000
LUXOR 402 Upgrade module	2	Switch Time	Presence simulation, Central OFF, Panic function	2 NO contact	16 A	402 0 000
LUXOR 404 Upgrade module	4	Switch Time	Presence simulation, Central OFF, Panic function	4 NO contact	16 A	404 0 000
LUXOR 405 Dimming module	2	Dimming, Lightsetting, Nightlight	Presence simulation, Central OFF, Panic function	2 Triacs	2 x 300 W/VA (1 x 500 W/VA)	405 0 000
DMB 2 Upgrade device	2	Dimming booster	—	2 Triacs	2 x 600 W/VA (1 x 1000 W/VA)	491 0 222
LUXOR 408 Roller shutter basic module	4	Motor control	Central UP/DOWN, Panic 1 group	8 NO contact	6 A	408 0 000
LUXOR 409 Roller shutter upgrade module	4	Motor control	Central UP/DOWN, Panic 2 groups	8 NO contact	6 A	409 0 000
Diode module for special functions (group function/central function) necessary * Set with 2 devices						907 0 367
LUXOR 411 Sensor module	—	Threshold value brightness, wind, twilight and temperature Switch	—	—	—	411 0 000
Surface-mounted light sensor for LUXOR 411						907 0 008
LUXOR 412 Weather sensor	—	Sensor for brightness, twilight, temperature, wind, rain	—	—	—	412 0 000
Mast installation for LUXOR 412/LUXOR 413, up to Ø 60 mm						907 0 380
LUXOR 413 Wind sensor	—	Wind sensor	—	—	—	413 0 000
Power supply unit needed for LUXOR 413						907 9 330
LUXOR 414 Time module	8	Daily, weekly and astronomical program	—	—	—	414 0 000
LUXOR Set 2						499 0 002
LUXOR Set 3						499 0 003
LUXOR Set 4						499 0 004