

Tender text for OSRAM Light Management Systems



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Energy saving

MULTI3 systems

DALI MULTI3

Light control unit for daylight-depended control with presence function and sophisticated evaluation of artificial light and day light.

- DALI output with EN/IEC 62386 for connection of up to 32 DALI ECGs in one light group without DALI addressing
- uC Controller driven characteristic for sophisticated evaluation of artificial light and day light with highest control accuracy
- Differentiated control speed depending on control deviation for highest visual comfort
- Depending on the application the presence detection or the light detection can be deactivated; up to 10 different operating modes for energy saving applications can be selected
- Integrated switching during vacation, automatic switch on of lighting can be deactivated
- Sensor connection is protected against polarity reversal by a 4p4c (RJ10) socket for a closed loop control system. Up to 4 light- / presence sensors for extended presence detection or multiple measuring of brightness with automatic averaging can be connected
- Smooth dimming of lighting during absence with followed deactivation without any disturbing effects for adjacent users
- Individual light level adjustable over standard light switches by the user at any time
- Status LED for presence detection and operating mode, suitable for luminaire installation or ceiling installation with additional housing
- Housing consists of flame-retardant polycarbonate, halogen free
- dimensions: 189 x 30 x 21mm (L x W x H)
- Connections: screw less clamp terminal
- Sensor connection: 4p4c (RJ10) socket protected against polarity reversal
- Operating voltage: AC 100...240 V 50/60 Hz / DC 100...240 V
- Power consumption: 0.5 W
- Ambient temperature: 0 °C...+ 50 °C
- Type of protection: IP 20
- Protection class: II
- Fulfils strictest EMC rules
- Order description: DALI MULTI 3

DIM MULTI3

Light control unit for daylight-depended control with presence function and sophisticated evaluation of artificial light and day light.

- With integrated relay contact 5A and 1...10-V output with EN/IEC 62386 for the control of up to 32 1...10-V-ECG in one light group
- uC Controller driven characteristic for sophisticated evaluation of artificial light and day light with highest control accuracy
- Differentiated control speed depending on control deviation for highest visual comfort
- Depending on the application the presence detection or the light detection can be deactivated; up to 10 different operating modes for energy saving applications can be selected
- Integrated switching during vacation, automatic switch on of lighting can be deactivated
- Sensor connection is protected against polarity reversal by a 4p4c (RJ10) socket for a closed loop control system. Up to 4 light- / presence sensors for extended presence detection or multiple measuring of brightness with automatic averaging can be connected
- Smooth dimming of lighting during absence with followed deactivation without any disturbing effects for adjacent users.
- Individual light level adjustable over standard light switches by the user at any time
- Status LED for presence detection and operating mode, suitable for luminary installation or ceiling installation with additional housing
- Housing consists of flame-retardant polycarbonate, halogen free
- Dimensions: 189 x 30 x 21 mm (L x W x H)
- connections: screw less clamp terminal
- Sensor connection: 4p4c (RJ10) socket protected against polarity reversal
- Operating voltage: AC 100...240 V 50/60 Hz / DC 100...240 V
- Power consumption: 0.5 W
- Ambient temperature: 0 °C...+ 50 °C
- Type of protection: IP 20
- Protection class: II
- Fulfils strictest EMC rules
- Order description: DIM MULTI 3

LS/PD MULTI3

Light and presence sensor for luminaire installation and for connection to control units like MULTleco, DALI-/ DIM MULTleco, DALI-/ DIM MULTI3 or DALI PROFESSIONAL sensor coupler

- Connection to the control unit over 2.1 m long ready-made power supply cord with a RJ10 plug, protected against polarity reversal
- Working area: 20 – 600 lx (measured on sensor), cone-shaped motion detection angle, aperture angle 80-100°, installation height 2...4 m
- Integrated LED for showing operational readiness and detected presence or motion
- Housing consists of flame-retardant polycarbonate, halogen free
- Dimensions: 55 x 21 x 25 mm (L x W x H)
- Connections: 4p4c (RJ10) plug secured against polarity reversal
- Protection class: II / Type of protection: IP 20
- Order description: LS/PD MULTI3

LS/PD MULTI3 CI

Pivotable light and presence sensor for ceiling installation and for connection to MULTleco, DALI-/ DIM MULTleco, DALI-/ DIM MULTI3 control units or DALI PROFESSIONAL sensor coupler

- Light and presence sensor with small casing design for harmonious integration in room architecture and ceiling with pivotable sensor head for individual settings of the detection area
- Connection to control unit over a ready-made 2.1 m long power supply cord with a RJ10 plug secured against polarity reversal or optional with a 4-pin control cable with screw terminal
- Working area: 20...600 lx (measured on sensor), cone-shaped motion detection angle, aperture angle 80...100°, installation height 2...4 m
- Integrated LED for showing operational readiness and detected presence or motion
- Housing consists of flame-retardant polycarbonate, halogen free
- Dimensions: 50 x 25mm (Ø x H)
- Connections: 4p4c (RJ10) plug secured against polarity reversal or a 4-pin screw terminal
- Protection class: II / Type of protection: IP 20
- Order description: LS/PD MULTI3 CI

LS/PD MULTI3 FL

Light- and presence sensor for luminaire installation for connection to MULTleco, DALI-/ DIM MULTleco, DALI-/ DIM MULTI3 control units or DALI PROFESSIONAL sensor coupler

- Connection to control unit with a 2.1 m long ready-made power supply cord with a 4p4c (RJ10) plug protected against polarity reversal
- Working area: 20...600 lx (measured on sensor), conical presence detection area, aperture angel 80...100°
- Mounting height: 2...5 m
- Integrated LED for showing operational readiness and detected presence or motion
- Housing consists of flame-retardant polycarbonate, halogen free
- Dimensions: 35 x 21 x 21mm (L x W x H)
- Connections: 4p4c (RJ10) plug secured against polarity reversal
- Protection class: II / Type of protection: IP 20
- Order description: LS/PD FL MULTI 3

LS/PD MULTI3 B

pivotable light and presence sensor for luminaire installation and for connection to MULTleco, DALI-/ DIM MULTleco, DALI-/ DIM MULTI3 control units or DALI PROFESSIONAL sensor coupler

- Pivotable light and presence sensor for individual settings of the detection area
- Connection to control unit with a 2.1 m long ready-made power supply cord with a 4p4c (RJ10) plug protected against polarity reversal
- Working area: 20...600 lx (measured on sensor), conical presence detection area, aperture angel 80...100°
- Mounting height: 2...4 m
- Integrated LED for showing operational readiness and detected presence or motion
- Housing consists of flame-retardant polycarbonate, halogen free
- Dimensions: 55 x 21 x 25 mm (L x W x H)
- Connection: 4p4c (RJ10) plug secured against polarity reversal
- Protection class: II / Type of protection IP 20
- Order description: LS/PD MULTI3 B

Y-CONNECTOR

Branch element for pluggable system extension

- With 3 4p4c (RJ10) plug protected against polarity reversal, tool-less attachment with glue pad
- With two 2.1 m long ready-made power supply cords with a 4p4c (RJ10) plug protected against polarity reversal
- Housing consists of flame-retardant polycarbonate, halogen free
- Dimensions: 34 x 18 x 16 mm (L x W x H)
- Connection: RJ10 plug secured against polarity reversal or a 4-pin screw terminal
- Order description: Y-CONNECTOR

Y-CONNECTOR SCREW

Branch element for pluggable system extension with screw terminal for connection of 4-wire control cable

- Splitter element with 2 4p4c (RJ10) plugs protected against polarity reversal and 2 x 4 screw terminal for cable cross sections of 0,3...1,5 mm²
- Mounting with glue pad without tools, with 2 ready made 2.1 m power supply cords with 4p4c (RJ10) plugs protected against polarity reversal
- Housing consists of flame-retardant polycarbonate, halogen free
- Dimensions: 40 x 20 x 16 mm (L x W x H)
- Connection: 4p4c (RJ10) plug secured against polarity reversal or a 4-pin screw terminal
- Order description: Y-CONNECTOR SCREW

LMS CI BOX

Mounting box for ceiling installation of light control elements

- With cable clamp for ceiling installation of light control units with the dimensions 189 x 30 x 21 mm
- With screwless Wago-connectors for easy through wiring
- Housing consists of flame-retardant polycarbonate, halogen free
- Dimensions: 261 x 71 x 32 mm (L x W x H)
- Type of protection: IP20
- Order description: LMS CI BOX

MULTIeco Systems

DALI MULTIeco

Light control units for daylight dependent regulation with presence function and differentiated evaluation of artificial light and daylight with minimized standby consumption of <0,5 W

- DALI exit according to EN/IEC 62386 for connection of 6 DALI ECGs in one lighting group without DALI addressing with integrated 5A relay contact for shutdown of the standby losses of the connected DALI ECGs
- uC Controller driven control characteristics for differentiated evaluation of artificial and daylight for highest control accuracy
- Differentiated control speed depending on control deviation for highest visual comfort
- According to the application the presence detection or the light detection can be deactivated, overall there are 16 different operation modes activatable for energy saving with comfort aspects
- Integrated holiday shutoff, automatic starting of the lighting can be deactivated through the user
- Sensor connection via protected polarity reversal 4p4c (RJ10) socket for closed loop control. Connection up to 2 light-/presence detectors fore expandable presence coverage or multiple measurement of the brightness with automatic average creation
- Detection area or multiple measurement of the brightness with automatic average creation
- In case of absence smooth off dimming of the lighting with following shutoff without disturbing shutoff-effects for adjoining users
- Individual lighting level via conventional light buttons always adjustable through the user
- Status LED to presence detection and operation mode indication, suitable for luminaire installation or ceiling insertion with additional housing
- Housing consists of flame-retardant polycarbonate, halogen free
- Dimensions: 189 x 30 x 21 mm (L x W x H)
- Connection: screwless connectors
- Sensor connection: Polarity reversal protected 4p4c (RJ10) socket
- Operation socket: AC 100...240 V 50 / 60 Hz / DC 100...240 V
- Power consumption: 0.5 W
- Ambient temperature: 0 °C...+50 °C
- Protection class: II / Type of protection: IP 20
- Fulfils strictest EMC regulations
- Order description: DALI MULTIeco

DIM MULTleco

Light control units for daylight dependent regulation with presence function and differentiated evaluation of artificial light and daylight with minimized standby consumption of <0,5 W

- 1...10-V-interface according to EN 60929 Annex E2 for connection of 6 x 1...10-V-ECGs in one lighting group with integrated 5-A-relay contact
- uC Controller driven control characteristics for differentiated evaluation of artificial and daylight for highest control accuracy
- Differentiated control speed depending on control deviation for highest visual comfort
- According to the application the presence detection or the light detection can be deactivated, overall there are 16 different operation modes activatable for energy saving with comfort aspects
- Integrated holiday shutoff, automatic starting of the lighting can be deactivated through the user
- Sensor connection via protected polarity reversal 4p4c (RJ10) socket for closed loop control. Connection up to 2 light-/presence detectors for expandable presence coverage or multiple measurement of the brightness with automatic average creation
- In case of absence smooth off dimming of the lighting with following shutoff without disturbing shutoff-effects for adjoining users
- Individual lighting level via conventional light buttons always adjustable through the user
- Status LED to presence detection and operation mode indication, suitable for luminaire installation or ceiling insertion with additional housing
- Housing consists of flame-retardant polycarbonate, halogen free
- Dimensions: 189 x 30 x 21 mm (L x W x H)
- Connection: screwless connectors
- Sensor connection: Polarity reversal protected 4p4c (RJ10) socket
- Operation socket: AC 100...240 V 50 / 60 Hz / DC 100...240 V
- Power consumption: 0.5 W
- Ambient temperature: 0 °C...+50 °C
- Protection class: II / / Type of protection: IP 20
- Fulfils strictest EMC regulations
- Order description: DIM MULTleco

MULTleco

Light control unit for daylight depending switching with presence function with independent optimization on the ambient conditions for easy startup

- According to the application the presence detection or the light detection can be deactivated, overall there are 16 different operation modes activatable for energy saving with comfort aspects
- Integrated holiday shutoff, automatic starting of the lighting can be deactivated through the user
- Sensor connection via protected polarity reversal 4p4c (RJ10) socket for closed loop control. Connection up to 2 light-/presence detectors for expandable presence coverage or multiple measurement of the brightness with automatic average creation
- With integrated 5-A relay contact, automatic calibration of the light depending switching threshold to the ambient conditions (reflecting surfaces) for automatic startup
- Status LED to presence detection and operation mode indication, suitable for luminaire installation or ceiling insertion with additional housing
- Housing consists of flame-retardant polycarbonate, halogen free
- Dimensions: 189 x 30 x 21 mm (L x W x H)
- Connection: screwless connectors
- Sensor connection: Polarity reversal protected 4p4c (RJ10) socket
- Operation socket: AC 100...240 V 50 / 60 Hz / DC 100...240 V
- Power consumption: 0.5 W
- Ambient temperature: 0 °C...+50 °C
- Protection class: II / / Type of protection: IP 20
- Fulfils strictest EMC regulations
- Order description: MULTleco

ECO CI KIT

Pluggable cable clamp for ceiling installation for the light control components DALI MULTleco, DIM MULTleco and DALI PRO sensor coupler

- Suitable in combination with MULT13 CI ceiling installation sensor for mounting in suspended ceilings with at least 10 cm installation depth, required ceiling cutout for ceiling installation 42...48 mm
- Housing consists of flame-retardant polycarbonate, halogen free
- Dimensions: Control unit with cable clamp 140 x 33 x 23 mm (L x W x H)
- Order description: ECO CI KIT

LS/PD MULTI3

Light- and presence sensor for luminaire installation for connection to the control units MULTleco, DALI-/ DIM MULTleco, DALI-/ DIM MULTI3 or DALI PROFESSIONAL sensor coupler

- Connection to the control unit via ready made 2.1m long power supply cord with polarity reversal protected plug RJ10
- Operating range: 20...600 lx (measured at the sensor), conical presence detection area, cone angle 80...100°, mounting height 2...4 m
- Integrated LED for indication of the operational readiness and captured presence or motions
- Housing consists of flame-retardant polycarbonate, halogen free
- Dimension: 55 x 21 x 25 mm (L x W x H)
- Connection: Polarity reversal protected 4p4c (RJ10) plug
- Protection class: II
- Type of protection: IP 20
- Order description: LS/PD MULTI3

LS/PD MULTI3 CI

Pivoting light- and presence sensor for ceiling installation for connection to the control units MULTleco, DALI-/ DIM MULTleco, DALI-/ DIM MULTI3 or DALI PROFESSIONAL sensor coupler

- Light-and presence sensor with smallest dimensions for harmonious integration in room architecture and ceiling in pivotable version for individual setting of the coverage
- Connection to the control unit via ready made 2.1 m long power supply cord with polarity reversal protected RJ10 plug or optional 4-wire control cable via screw connectors, operation range: 20...600 lx (measured at the sensor), conical presence detection area 80...100°, cone angle 80-100°, mounting height 2...4 m
- Integrated LED for indication of the operational readiness and captured presence or motions
- Housing consists of flame-retardant polycarbonate, halogen free
- Dimensions: 50 x 25 mm (Ø x H)
- Connection: Polarity reversal protected 4p4c (RJ10) plug or 4-pin control cable with screw terminal
- Protection class: II / Type of protection: IP 20
- Order description: LS/PD MULTI3 CI

LS/PD MULTI3 FL

Light- and presence sensor for luminaire installation for connection to the control units MULTleco, DALI-/ DIM MULTleco, DALI-/ DIM MULTI3 or DALI PROFESSIONAL sensor coupler

- Connection to the control unit via ready made 2.1 m long power supply cord with polarity reversal protected 4p4c (RJ10) plug
- Operation range: 20...600 lx (measured at the sensor), conical presence detection area, cone angle 80...100°, mounting height 2...5 m
- Integrated LED for indication of the operational readiness and captured presence or motions
- Housing consists of flame-retardant polycarbonate, halogen free
- Dimension: 35 x 21 x 21 mm (L x W x H)
- Connection: Polarity reversal protected 4p4c (RJ10) socket
- Protection class: II / Type of protection: IP 20
- Order description: LS/PD FL MULTI 3

LS/PD MULTI3 B

Pivoting light- and presence sensor for ceiling installation for connection to the control units MULTleco, DALI-/ DIM MULTleco, DALI-/ DIM MULTI3 or DALI PROFESSIONAL sensor coupler

- Pivotable light- and presence sensor for individual setting of the coverage
- Connection on the control units via ready made 2.1 m long power supply cord with polarity reversal protected 4p4c (RJ10) plug
- Operation range: 20...600 lx (measured at the sensor), conical presence detection area, cone angle 80...100°, mounting height 2...4 m
- Integrated LED for indication of the operational readiness and captured presence or motions
- Housing consists of flame-retardant polycarbonate, halogen free
- Dimensions: 55 x 21 x 25 mm (L x W x H)
- Connection: Polarity reversal protected 4p4c (RJ10) socket
- Protection class: II / Type of protection: IP 20
- Order description: LS/PD MULTI3 B

Touch DIM remote

Touch DIM RC

Two-channel radio receiver for luminaire installation

- Integrated 868 MHz radio receiver module
- Wear- and noise free semiconductor outputs, potential free
- Max. 45 mA / 230 V
- Learning up to 30 radio transmitters via integrated button or alternatively via standard button with make contact
- Connections via wired handling of the channels via standard button with make contact
- Protection class II / Type of protection IP 20
- Ambient temperature range t_a : 0...+50 °C
- Dimensions: 189 x 30 x 21 mm (L x W x H), plastic housing
- Order description: Touch DIM RC

Touch DIM WCU

Two-channel Piezo wireless wall transmitter

- Integrated 868 MHz radio transmitter module, digital coding
- Battery less, maintenance free
- More than 50.000 switching operations
- Mounting on all even surfaces possible
- Type of protection: IP 20
- Ambient temperature range: 0...+50 °C
- Construction: Surface mounted button (flush mounted button not necessary)
- Dimensions: 80 x 80 x 18 mm (L x W x H)
- Order description: Touch DIM WCU

LMS CI BOX

Mounting box for ceiling installation of light control elements

- With cable clamp for ceiling installation of light control units with the dimensions 189 x 30 x 21 mm
- With screwless Wago-connectors for easy through wiring
- Housing consists of flame-retardant polycarbonate, halogen free
- Dimensions: 261 x 71 x 32 mm (L x W x H)
- Type of protection: IP20
- Order description: LMS CI BOX

Touch DIM sensors

Touch DIM LS LI

One-piece light sensor for luminaire installation for direct connection on QTl DALI-ECG

- Daylight depending control of up to 4 ECG
- Integrated mains supply
- Operation and setpoint setting via extern standard button with make contact
- Automatic regulation interruption in case of manual overdriving till restart of the lighting
- Deactivation of the regulation and crossover in the control operation through deleting of the set point
- Operating range: 0...300 lx (measured at the sensor)
- Mounting height: 2...4 m
- Protection class II / Type of protection: IP 20
- Ambient temperature : 0 °C...+50 °C
- Order description: Touch DIM LS LI

Touch DIM LS/PD LI

One-piece light- and motion combination sensor for luminaire installation for direct connection on QT_i DALI ECG

- Daylight- and motion depending regulation of up to 4 ECG
- Integrated mains supply
- Operation and setpoint setting via extern standard button with make contact
- Automatic regulation interruption in case of manual overdriving till restart of the lighting
- Automatic oppression of the motion depending starting after manual cut off for 30 sec.
- Manual deactivation of the regulation and crossover in the pure control operation through deleting of the set point
- Manually activable holiday shutoff (deactivation of the motion depending starting)
- Operation range: 0...300 lx (measured at the sensor)
- Mounting height: 2...4 m
- 15 min. switch off delay after last motion detection
- Protection class: II / Type of protection: IP 20
- Ambient temperature: 0 °C...+50 °C
- Dimensions: 63 x 29 x 21 mm (L x W x H), plastic housing
- Order description: Touch DIM LS/PD LI

Sensors

VISION

Motion sensor, ideal for large areas and extensive detection areas, for connection to all control components with potential free input

- Motion detection basing on PIR-Technology
- For extensive areas suitable, e.g. open-plan offices, corridors, warehouses
- Up to 15 ECG can be connected
- Standby consumption: max. 0.25 W
- Up to 45 % energy saving potential compared to conventional solutions
- Cone angle 140 °, detection area up to Ø 21 m, 360 ° lenses detection angle
- Easy installation via multi-purpose adapter
- Mounting height up to 4.5 m
- Adjustable afterrun time: 30 seconds to 20 minutes
- Operating voltage: 120 V ... 277 V AC / 50...60 HZ
- Operating temperature: -10 °C...+ 70 °C
- Protection class: II / Type of protection: IP 20
- Dimensions: 115.6 x 39.9 mm (Ø x H)
- Order description: VISION

OUTDOOR

Daylight- and motion sensor for the outdoor light management, suitable for wall- and ceiling installation, with high protection against external weather conditions

- Coverage of the lens at +/- 30 ° modifiable
- Different operation modes selectable: Just motion detection, daylight- and motion detection
- Up to 14 ECGs can be connected
- Outdoor usage assured through IP 55 classification
- Up to 45 % energy saving potential compared to conventional solutions
- Rotatable sensor arm for individual wall- or ceiling installation
- Operation via 2 buttons to select different sensor functions
- Coverage up to Ø 16 m, 290 ° lens detection angle
- Mounting height up to 4 m (ideal 2.5 m)
- Adjustable afterrun time: 5 seconds to 30 minutes
- Operating voltage: 230 V AC / 50...60 HZ
- Operating temperature: -30 °C...+ 70 °C
- Protection class: II / Type of protection: IP 55
- Dimensions: 180 x 86 x 74 mm (L x W x H)
- Order description: OUTDOOR

HIGHBAY

Motion sensor for large heights up to 13 m and for extensive detection areas, suitable for connection on all control units with potential free input

- Motion detection based on PIR-Technology
- Area of application depending on the mounting height:
 - 3...10 m: Detection of walking (e.g. pedestrians)
 - 10...13 m: Detection of movements (e.g. forklift)
- Up to 15 ECGs can be connected
- Stand-by consumption: max. 0.25 W
- Up to 45 % energy saving potential compared to conventional solutions
- Detection area up to Ø 18 m at 10 m ceiling height, 360 ° lens detection angle
- Easy installation via all-purpose adapter
- Mounting height: 3...13 m
- Adjustable afterrun time: 30 seconds to 20 minutes
- Operating voltage: 120 V...277 V AC / 50...60 HZ
- Operating temperature: -10 °C...+ 70 °C
- Protection class: II / Type of protection: IP 20
- Dimensions: 115.6 x 39.4 mm (Ø x H)
- Order description: HIGHBAY

WALL SWITCH

Daylight- and motion detection for “contactless and automatic light switching”, suitable for the exchange and the upgrade of manual control points or for the extension of existent electrical installations

- Suitable for contactless light sources (e.g. corridors, stairways)
- Different operation modes available: Stairways, time switches, continuous light
- Up to 14 ECGs can be connected
- Network of several sensors possible and also in combination with conventional light buttons
- Up to 45% energy saving potential compared do conventional solutions
- Light level adjustable: 20...1000 lx
- Installation in conventional flush-mounted boxes
- Operation via 2 buttons to select different sensor functions
- Coverage r = 8 m, detection angle 180 ° horizontal / 70 ° vertical
- Ideal mounting height in flush-mounted box: 0,8...1.2 m (max. 2.2 m)
- Adjustable afterrun time: continuous up to 30 minutes
- Operating voltage: 230 V AC / 50...60 HZ
- Operating temperature: 0 °C...+ 35 °C
- Protection class: II / Type of protection: IP 20
- Dimensions: 81 x 81 x 24 mm (L x W x H) upper part
71 x 71 x 33 mm (L x W x H) lower part
- Order description: WALL SWITCH

DUO

Daylight- and presence sensor for energy saving solutions in not dimmable luminaires and light systems, suitable for single- and open-plan offices or common rooms

- Different operating modes available:
 - Daylight- or presence detection
 - Up to 30 ECGs can be connected
- All operating modes can be adjusted via adjusting screws on the front side of the sensor
- Up to 45% energy saving potential compared to conventional solutions
- Minimal installation costs through surface installation or through „Clip-on“ – Installation for T5- and T8-lamps
- Network of several sensors possible
- Standby consumption: max. 0.7 W
- Detection area: Ø 12 m
- Mounting height: max. 5 m (ideal 2.5...3 m)
- Adjustable afterrun time: 1...60 minutes
- Operating voltage: 220...240 V AC / 50...60 HZ
- Operating temperature: 0 °C...+ 50 °C
- Protection class: II / Type of protection: IP 20
- Dimensions: 71 x 58 x 47 mm (L x W x H)
- Order description: DUO

SOLAR

Radio controlled daylight- and presence sensor for extension of existent electrical installations without additional cabling – battery less, wireless, maintenance free!

- Maintenance free EnOcean-radio technology
- No cables, no batteries necessary (optional)
- Up to 14 ECGs can be connected
- Up to 45% energy saving potential compared to conventional solutions
- Radio range up to 30 m (up to 5 walls) or 100 m (without walls)
- Easy and flexible installation
- Transmitting frequency: 868.3
- Detection area: max. Ø 9 m
- Radiation angle: 100°
- Operating temperature: + 10 °C...+ 50 °C
- Protection class: II / Type of protection: IP 50
- Dimensions: 108 x 108 x 26.8 mm (L x W x H)
- Order description: SOLAR

Switch RC

1-channel radio receiver for all OSRAM control elements and sensors based on EnOcean-Technology

- 5 different operation modes available
- Up to 14 ECGs can be connected
- Up to 45 % energy saving potential compared to conventional solutions
- Radio range up to 30 m (up to 5 walls) or 100 m (without walls)
- Up to 8 sensors and 8 wall-/ hand transmitters on one Switch RC receiver adaptable
- Adjustable afterrun time: 1...20 minutes
- Transmitting frequency: 868.3
- Operating voltage: 230 V / 50 Hz (no DC operation)
- Operating temperature: + 5 °C...+ 50 °C
- Protection class: II / Type of protection: IP 50
- Dimensions: 45 x 37 x 22.5 mm (L x W x H)
- Order description: Switch RC

DIM MULTI

Daylight- and presence sensor for automatic regulation of the brightness in offices and at the working place to increase the working comfort and to save energy

- 1...10 V sensor for daylight- and presence detection
- All operating modes can be adjusted via adjusting screws on the front side of the sensor
- Up to 50 1...10 V ECGs can be connected
- Up to 70 % energy saving potential
- Integrated switching contact
- For ceiling-construction mounting or easy „Clip on“ installation for T8- and T5-lamps
- Coverage: Ø 9 m
- Radiation angle: 100 °
- Operating voltage: 230 V / 50...60 Hz (no DC operation)
- Operating temperature: 0 °C...+ 50 °C
- Protection class: II / Type of protection: IP 20
- Dimensions: 58.8 x 70,5 x 42 mm (L x W x H)
- Order description: DIM MULTI

DIM MICO

Mini light sensor for automatic daylight regulation suitable for easy extension via „Clip-On“ installation for T8- and T5-lamps

- 1..10-V mini light sensor
- Direct connection on the 1...10-V interface
- Up to hundred 1...10 V ECGs can be connected
- Up to 40 % energy saving potential
- Lens coverage: conical, about 90 ° cone angle
- Compensation of 100 % of the daylight
- Operating voltage: 230 V / 50...60 Hz (no DC operation)
- Operating temperature: 0 °C...+ 45 °C
- Protection class: II / Type of protection: IP 20
- Dimensions: 28.8 x 59 mm (Ø x H)

- 40 x 96 (incl. mounting clip)
• Oder description: DIM MICO

DIM PICO

Mini light sensor for automatic daylight regulation, suitable for easy extension via „Clip On“ installation for T8- and T5-lamps

- 1..10 mini light sensor
- Direct connection on the 1...10-V interface
- Up to 10 1...10-V-ECGs can be connected
- Up to 30 % energy saving
- Lens coverage: conical, about 50 ° cone angle
- Easy „Clip on“ installation for T8- and T5-lamps
- Operating temperature: 5 °C...+ 45 °C
- Protection class: II / Type of protection: IP 20
- Dimensions: 21 x 21 x 31 mm (L x W x H)
- Order description: DIM PICO

Ambience

EASY Colour Control

Operate

EASY Touch Panel

Wall operating unit for EASY Color Control

- 4 channel DALI touch panel with resistive touch recognition
- For hollow and massive walls integration.
- Full colour display with LED backlighting.
- Management of up to 3 screen pages for recall/storage of scenes,
- Central dimming or in groups
- Switching of lighting, control of light color / color temperature and dynamic lighting sequences.
- Support of up to 8 labelling languages.
- Integrated floating load contacts for switching of non-dimmable loads or control of blinds or projection screen actuators.
- Dimensions: 220 x 160 x 55 mm (L x W x H), screen diagonal 5.7"
- Order description: EASY Touch Panel

EASY Color Drive

Wall operating unit for EASY Color Control

- With central knob and plain text display, function keys for colour, brightness and sequence start/stop for structured operator guidance
- Invocation of up to 16 light scenes and 4 different sequences as well as changing of the sequence speed possible
- Signal transfer optional wired or via integrated 868.3 MHZ radio interface for retrofit solutions, power supply 24 V DC. Connection via polarity reversal protected screw-/ plug terminal for easy installation in standard UP-box
- Factory made configuration for dynamic RGB lighting solutions for start up without software
- Optional operation for adjustable colour temperature or 8-channel light control via structured setup menu configurable
- Selected operating- and configuration functions project specific for users lockable
- Background of the operation elements can be adjusted depending on usage environment, it expires after a short operating-free time or permanent background lighting of the central rotary knob (easy to find in dark rooms)
- With polarity reversal protected 4p4c (RJ10) socket on the bottom of the device for easy system access with EASY Colour Control configuration software for project specific adaption of the factory saved RGB sequences in the connected EASY control units
- Housing consists of flame-retardant polycarbonate, halogen free
- Dimensions: 103 x 89 x 34 mm (L x W x H)
- Connection: Screw-/ plug terminal for signal line and power supply, 0.5...1.5 mm², additional polarity reversal protected 4p4c socket (RJ10) as service access for the configuration software
- Ambient temperature: -20 °C...+50 °C
- Protection class: II / Type of protection: IP 20
- Order description: EASY Color Drive

EASY Hybrid Remote

Radio remote control for EASY Color Control

- With central rotary knob and plain text display, function keys for colour, brightness and sequence start/stop for structured operator guidance
- Additional 8 scene buttons und 4 sequence buttons for invocation of up to 16 light scenes und 4 different sequences, scenes and sequence speed are changeable through the user
- Signal transfer optional via integrated 868.3 MHz radio interface or IR-transfer for special applications, power supply via standard AAA cells
- With wall mount bracket for remote control storage or usage as fixed wall operator unit with optional wired signal transmission, optional fixing of the remote control with torx screws for theft protection. Connection of the wall mount bracket via polarity reversal protected screw-/ plug terminals for easy installation on standard UP box, optional installation without UP box for retrofit solutions possible. During storage of the remote in the wall mount bracket contacting of the power supply for battery-saving supply via optional 24 V DC supply
- Factory made configuration for dynamic RGB lighting solutions for start up without software
- Optional operation for adjustable colour temperature or 8-channel light control via structured setup menu configurable
- Selected operating and configuration functions project specific for users lockable
- Background of the operation elements can be adjusted depending on usage environment, it expires after a short operating-free time or permanent background lighting of the central rotary knob (easy to find in dark rooms)
- With polarity reversal protected 4p4c (RJ10) socket at the wall mount bracket for easy system access with EASY Colour Control configuration software for project specific adaption of the factory saved RGB sequences in the connected EASY control units
- Housing consists of flame-retardant polycarbonate, halogen free
- Dimensions: 103 x 89 x 34 mm (L x W x H)
- Connections: Screw-/ plug terminals for signal line and power supply, 0.5...1.5 mm², additional polarity reversal protected 4p4c socket (RJ10) as service access for the configuration software
- Ambient temperature: -20 °C...+ 50 °C
- Protection class: II / Type of protection: IP 20
- Order description: EASY Hybrid Remote

DALI EASY RMC

Infrared remote control for operation of EASY Color Control

- For operation of 4 channels and invocation / storing of 4 light scenes, start/stop of the sequencer and target of the fade time and central functions on/off/dim
- Interference free signal transfer via 38 KHz carrier signal, battery power supply via standard AAA cells
- Integrated 7-segment display for indication of the fade time and function indication of the fade time and the function indication, with DIP switch for locking of the scene storing, of the sequencer and for change of the IR coding
- Housing consists of flame-retardant polycarbonate, halogen free
- Dimensions: 120 x 57 x 26 mm (L x W x H)
- Ambient temperature: 0 °C...+55 °C
- Protection class: II / Type of protection: IP 20
- Order description: DALI EASY RMC

EASY RC

868.3 MHz radio receiver for EASY Color Control

- Radio receiver for the operator units EASY Hybrid Remote or EASY Colour Drive
- For luminaire installation or optional ECO CI KIT installation in intermediate ceilings possible
- With polarity reversal protected 4p4c (RJ10) socket, power supply directly from the EASY signal line, connection on any place of the EASY signal line
- Housing consists of flame-retardant polycarbonate, halogen free
- Dimensions: 118 x 30 x 21 mm (L x W x H)
- Connection: Screwless plug terminals 0.13...0.5 mm² or 4p4c (RJ10) socket
- Order description: EASY RC

DALI EASY IR CI

Infrared receiver for EASY RMC IR remote control

- For ceiling installation with 4p4c (RJ10) plug and integrated LED for indication of the operational readiness
- Parallel connection of up to 4 IR receivers via standard modular 4-4 plug-in system for extension of the coverage possible
- Housing consists of flame-retardant polycarbonate, halogen free
- Dimensions: 50 x 25 (Ø x H)
- Ambient temperature: 0 °C...+ 55 °C
- Protection class: II / Type of protection: IP 20
- Order description: DALI EASY IR CI

DALI EASY IR

Infrared receiver for EASY RMC IR remote control

- For luminaire installation with 4p4c (RJ10) plug and integrated LED for indication of the operational readiness
- Parallel connection of up to 4 IR receivers via standard modular 4-4 plug-in system for extension of the coverage possible
- Housing consists of flame-retardant polycarbonate, halogen free
- Dimensions: 35 x 21 x 16 mm (L x W x H)
- Ambient temperature: 0°C...+55 °C
- Protection class: II / Type of protection: IP 20
- Order description: DALI EASY RMC

Control units

EASY DMX 16 x 4 SO

DMX control units with integrated sequencer and 4 default sequences

- Integrated sequencer; non volatile memory for 4 freely programmable sequences with up to 16 scenes with adjustable fade time of 0.1 sec. to 99 min; Daylight simulation mode with adjustable lead time of 1 to 24 hrs.
- Master-Slave-functionality enables synchronization of up to 4 EASY DMX 16 x 4 SO control units with ext. system coupler; fulfils strictest EMC rules
- With integrated 120 Ohm terminating resistor, via DIP switch activable
- Polarity reversal protected modular 4p4c (RJ10) socket for connection of the control signal line, IR-receiver, digital input module, PC-Interface or further EASY-components like operating units or touch panel
- Housing consists of flame-retardant polycarbonate, halogen free
- Dimensions: 189 x 30 x 21 mm (L x W x H)
- Operating voltage: AC 100...240 V 50/60 Hz / DC 100...240 V
- Output: DMX 512-A standard
- Connections: Screw terminal for power supply cord, DALI wires and extern button
- Control signal line: Polarity reversal protected 4p4c (RJ10) socket with screwless screw terminals
- Ambient temperature: 0 °C...+ 50 °C
- Protection class: II / Type of protection: IP 20
- Order description: EASY DMX 64 x 4 SO

EASY DMX 32 x 4 SO

DMX control unit with integrated sequencer and 4 default sequences

- Integrated sequencer; non volatile memory for 4 for 4 freely programmable sequences with up to 16 scenes with adjustable fade time of 0.1 sec. to 99 min; Daylight simulation mode with adjustable lead time of 1 to 24 hrs.
- Master-Slave-functionality enables synchronization of up 2 EASY DMX 32 x 4 SO control units with ext. system coupler; fulfils strictest EMC rules
- With integrated 120 Ohm terminating resistor, via DIP switch activable
- Polarity reversal protected modular 4p4c (RJ10) socket for connection of the control signal line, IR-receiver, digital input module, PC-Interface or further EASY-components like operating units or touch panel
- Housing consists of flame-retardant polycarbonate, halogen free
- Dimensions: 189 x 30 x 21 mm (L x W x H)
- Operating voltage: AC 100...240 V 50/60 Hz / DC 100...240 V
- Output: DMX 512-A Standard
- Connection: Screw terminal for power supply cord, DALI wires and extern button
- Control signal line: Polarity reversal protected 4p4c (RJ10) socket with screwless screw terminals
- Ambient temperature: 0 °C...+ 50 °C
- Protection class: II / Type of protection: IP 20
- Order description: EASY DMX 64 x 4 SO

EASY DMX 64 x 4 SO

DMX control unit with integrated sequencer and 4 default sequences

- Integrated sequencer; non volatile memory for 4 for 4 freely programmable sequences with up to 16 scenes with adjustable fade time of 0.1 sec. to 99 min; Daylight simulation mode with adjustable lead time of 1 to 24 hrs. fulfils strictest EMC rules
- With integrated 120Ohm terminating resistor, via DIP switch activable
- Polarity reversal protected modular 4p4c (RJ10) socket for connection of the control signal line, IR-receiver, digital input module, PC-Interface or further EASY-components like operating units or touch panel
- Housing consists of flame-retardant polycarbonate, halogen free
- Dimensions: 189 x 30 x 21 mm (L x W x H)
- Operating voltage: AC 100...240V 50/60Hz / DC 100...240V
- Output: DMX 512-A Standard
- Connection: Screw terminals for power supply cord, DALI wires and extern button
- Control signal line: Polarity reversal protected 4p4c (RJ10) socket with screwless screw terminals
- Ambient temperature: 0 °C...+ 50 °C
- Protection class: II / Type of protection: IP 20
- Order description: EASY DMX 64 x 4 SO

DALI EASY III

Control unit with 4 DALI channels and integrated sequencer with 4 default sequences

- Housing for luminaire installation, power supply 230 V 50/60 Hz with integrated DALI supply. 4 DALI outputs (RGBW) for control of overall up to 32 DALI control units
- Independent installation via additional housing LMS CI BOX
- Integrated sequencer; non volatile memory for 4 freely programmable sequences with each up to 16 scenes with adjustable fade time of 0.1 sec. to 99 min.; daylight simulation mode with adjustable lead time of 1 to 24 hrs.
- Master-Slave-functionality enables synchronization of up to 16 control units (64 with ext. system coupler)
- Polarity reversal protected modular 4p4c (RJ10) socket for connection of the control signal line, IR-receiver, digital input module, PC-Interface or further EASY-components like operating units or touch Panel
- Housing for luminaire installation consists of flame-retardant polycarbonate, halogen free
- Dimensions: 189 x 30 x 21 mm (L x W x H)
- Operating voltage: AC 100...240 V 50/60 Hz / DC 100...240 V
- Outputs: 4 x DALI outputs according EN/IEC 62386
- Connection: Screw terminals for power supply cord, DALI wires and extern button
- Control signal: Polarity reversal protected 4p4c (RJ10) socket with screwless screw terminals
- Ambient temperature: 0 °C...+50 °C
- Protection class: II / Type of protection: IP 20
- Order description: DALI EASY III

OT EASY 32CC

LED – control unit with stabilized 350mA output current, integrated 4-channel PWM Dimmer and sequencer with 4 default sequences

- With 4 outputs 350 mA / 24 V dim range 0...100 %; 16 bit resolution; switchable dim characteristic (linear/logarithmic)
- Integrated sequencer; non volatile memory, factory made with 4 different sequences, freely programmable with each up to 16 scenes; Master-Slave-functionality enables synchronisation of up to 16 control units (64 with ext. system coupler), fulfils strictest EMC rules for secondary line lengths up to 10 m without additional filters; electronic, reversible short circuit-, overload-, and overtemperature protection
- Polarity reversal protected modular 4p4c (RJ10) socket for connection of the control signal line, IR-receiver digital input module, PC-Interface or further EASY-components like operating units or touch Panel
- Housing with cable clamp for independent installation; consists of flame-retardant polycarbonate, halogen free
- Dimensions: 223 x 96 x 32 mm (L x W x H)
- Hole width: 215 mm
- Connections: Screwless screw terminals for power supply cord, LED and extern button
- Control signal line: Polarity reversal protected p4c (RJ10) socket
- Ambient temperature: -20 °C...+ 50 °C
- Protection class :II / Type of protection: IP 20
- Order description: OT EASY 32/120-240/4x350

OT EASY II 60/220-240/24 RGB

LED – Control unit with stabilized 24 V output voltage, integrated 4 - channel PWM Dimmer and sequencer with 4 default sequences.

- 24 V constant voltage power supply with max. 60 W output voltage asymmetric distributable over all channels; Processor regulated 300 Hz PWM, dim range 0...100 %; 16 bit resolution; switchable dim characteristic line (linear, logarithmic) additional 24 V constant voltage output for connection of non-dimed LED or another LED control units.
- Integrated sequencer; non-volatile memory factory made with 4 different sequences, freely programmable with each up to 16 scenes; Master-Slave-functionality enables synchronisation of up to 16 control units (64 with ext. system coupler) fulfils strictest EMC rules for secondary line lengths up to 10 m without additional filters; electronic, reversible short-circuit-, overload-, and overtemperature protection
- Polarity reversal protected Modular 4p4c (RJ10) socket for connection of the control signal line, IR-receiver, digital input module, PC-Interface or additional EASY components like operating units or touch panel
- Housing with cable clamp for independent mounting; consists of flame-retardant polycarbonate, halogen free
- Dimensions: 220 x 46.2 x 43.6 mm (L x W x H)
- Hole width: 180 mm
- Connection: Screw terminal for power supply cord, LED und extern button
- Control signal line: Polarity reversal protected 4p4c (RJ10) socket
- Ambient temperature: - 20 °C...+ 50 °C
- Protection class: II / Type of protection: IP 20
- Order description: OT EASY 60/220-240/24 RGB

Accessories

EASY SYS CP

System coupler for signal amplification in an EASY Colour Control System

- Coupler module with bidirectional communication for connection of up to 64 control units with 3 system coupler and for increasing the amount of operator components and enlargement of the cable length
- Power supply via EASY control cable, with status LED for showing a lack of communication and correct wiring
- Connection via 4p4c (RJ10) plug protected against polarity reversal
- Housing consists of flame-retardant polycarbonate, halogen free
- Dimensions: 45 x 30 x 15mm (L x W x H)
- Connection: 4p4c (RJ10) plug
- Order description: EASY SYS CP

EASY PB Coupler

Coupler module for the EASY Colour Control System

- Coupler module with 8 digital inputs for connection of common push buttons, switches, motion detectors or time switches with potential-free make contact to a EASY Colour Control light control system
- For installation in flush-mounted box behind the according switch or push button application, power supply via EASY signalling line
- With DIP switch for individual configuration of the operating functions for central- and group control, scenes appeal or sequence start, with status LED for showing a lack of communication
- Housing consists of flame-retardant polycarbonate, halogen free
- Dimensions: 47 x 44 x 13 mm (L x W x H)
- Connection: screw clamp, cable cross section 0.25...1.5 mm²
- Order description: EASY PB Coupler

Y-CONNECTOR

Branch element for pluggable system extension

- With 3 4p4c (RJ10) plug protected against polarity reversal, tool-less attachment with glue pad
- With two 2.1 m long ready-made power supply cords with a 4p4c (RJ10) plug protected against polarity reversal
- Housing consists of flame-retardant polycarbonate, halogen free
- Dimensions: 34 x 18 x 16 mm (L x W x H)
- Connection: RJ10 plug secured against polarity reversal or a 4-pin screw terminal
- Order description: Y-CONNECTOR

Y-CONNECTOR SCREW

Branch element for pluggable system extension with screw terminal for connection of 4-wire control cable

- Splitter element with 2 4p4c (RJ10) plugs protected against polarity reversal and 2 x 4 screw terminal for cable cross sections of 0.3...1.5 mm²
- Mounting with glue pad without tools, with 2 ready made 2.1 m power supply cords with 4p4c (RJ10) plugs protected against polarity reversal
- Housing consists of flame-retardant polycarbonate, halogen free
- Dimensions: 40 x 20 x 16 mm (L x W x H)
- Connection: 4p4c (RJ10) plug secured against polarity reversal or a 4-pin screw terminal
- Order description: Y-CONNECTOR SCREW

Scenes

DALI PROFESSIONAL

Operate

DALI PROFESSIONAL push button coupler

Coupler module for connection of standard installation push buttons to the DALI line according to IEC 62386-103 Control Devices

- For inlaying in standard flush-mounted boxes for the usage of standard installation push buttons or switches as well as motion detectors with potential-free contacts in OSRAM DALI PROFESSIONAL or similar control systems
- With 4 potential-free binary inputs with ready-made 280 mm long, by colour distinguishable power supply cords, DALI connection via screw less clamp terminal in twin version for easy through-wiring. Power supply via DALI control cable
- Select-LED for displaying the status and Select-button for easy DALI start up
- DALI start up via Flexcon configuration software optionally via integrated Select-button and Status-LED or pushing a connected button
- Fulfils strictest EMC rules
- Housing consists of flame-retardant polycarbonate, halogen free
- Dimensions: 43 x 43 x 11 mm (L x W x H), in the area of the DALI-clamp height: 21 mm
- Connection: screw less clamp terminal
- Operating voltage: supply via DALI line
- Power consumption: max. 6 mA
- Ambient temperature: -5 °C...+45 °C
- Protection class: II / Type of protection: IP 20
- Order description: DALI PRO PB COUP

DALI PROFESSIONAL Sensor coupler

Coupler module for connection of a light-/presence sensor to a DALI output of the DALI PROFESSIONAL control unit

- For luminaire installation or ceiling installation with ECO CI KIT for connection of a light-/presence sensor for luminaire or ceiling installation of the following types:
 - OSRAM LS/PD MULTI3
 - OSRAM LS/PD MULTI3 FL
 - OSRAM LS/PD MULTI3 B
 - OSRAM LS/PD MULTI3 CI
- For usage in the OSRAM DALI PROFESSIONAL system or a similar control system
- With 4 potential-free binary inputs with ready-made 280 mm long, by colour distinguishable power supply cords, DALI connection via screw less clamp terminal in twin version for easy through-wiring. Power supply via DALI control cable
- Select-LED for displaying the status and Select-button for easy DALI start up
- DALI start up via Flexcon configuration software optionally via integrated Select-button and Status-LED or LED of the connected sensor
- Fulfills strictest EMC rules
- Housing consists of flame-retardant polycarbonate, halogen free
- Dimensions: 43 x 43 x 11 mm (L x W x H)
- DALI Connection: screw less clamp terminal
- Sensor connection: RJ 10 plug
- Operating voltage:: supply via DALI line according to EN 62386AC 100...240V
- Power consumption: max. 5mA
- Ambient temperature: 0 °C...+ 50 °C
- Protection class: II // Type of protection: IP 20
- Order description: DALI PRO SC LSPD

Control Units

DALI PROFESSIONAL control unit

Light control unit with 4 DALI outputs for wide light scenes control and energy saving applications

- Control unit with 4 DALI outputs for mounting on a 35 mm DIN-rail according to DIN 43880 and integrated DALI supply according to EN/IEC 62386 for connection of up to 256 DALI ECGs, connection of sensors as well as control elements via DALI line for easy and costs saving installation
- With 4 integrated load contact 5 A can be used as a make contact , break contact and changer as well as basic functionalities for site light and start up without software for applications with 4 light groups in DALI broadcast addressing
- With integrated status LED as well as function buttons for simple testing of the correct DALI installation
- For applications of up to 4 x 16 light groups, start up via graphical configuration software Flexcon with a Windows surface for easy addressing and flexible allocation and functions of DALI ECGs, sensors and operating elements with components view and interactive scenes preview
- Static light scenes via presence sensors or operating elements (standard installation push button, Glass-Touches or Touch Panel) callable as well as configuration of time-controlled light scenes development for floor functions
- Connection of up to 50 push button/sensor coupler via DALI line for connection of combination sensors (light and presence detection) for luminaire or ceiling installation or standard installation pushbuttons without reducing the amount of connectable DALI ECG
- Fulfills EMC rules according to EN55022, IEC/EN 61000
- Housing consists of flame-retardant polycarbonate, halogen free
- Dimensions: 160 x 91 x 62 mm (L x W x H), (9TE)
- Connection: screwless clamp terminal 0.5..2.5 mm²
- Software connection: standard USB Type B
- Operating voltage: AC 100...240V 50/60 Hz / DC 100...240 V
- Power consumption: max. 25 W at full DALI load
- DALI power supply: 4x 200 mA
- Ambient temperature: 0 °C...+ 40 °C
- Protection class: I / Type of protection: IP 20
- Order description: DALI PRO CONT-4

DALI BASIC

DALI RC BASIC SO

- Digital light control unit with DALI for serial installation on a 35 mm DIN rail in switching and power distribution cabinets
- Basis isolated DALI output with reversible overrange protection
- Integrated DALI supply for control of up to 64 DALI control units
- 230 V 50 / 60 Hz mains supply
- Wiring independent classification of the connected DALI control units in up to 4 independent controllable groups
- Administration of 4 free programmable light scenes
- Connectivity for light and motion sensors for setup of a motion independent lighting control and/or a daylight depended regulation of up to 3 groups
- Delay time of the motion-depended lighting between 1 and 30 min adjustable
- Start up and operating via 5 standard push buttons with make contact
- Scene storage and start up can be locked
- Central feedback in case of a lamp failure via integrated potential-free make contact
- Integrated LED display for operational readiness, DALI communication and lamp failure
- Protection class: II / type of protection: IP 20
- Ambient temperature: 0...+50 °C
- Usable sensor types:
 - DALI WCU5 BASIC W
 - DALI LS/PD BASIC
 - DALI LS/PD BASIC LI
- Order description: DALI RC BASIC SO

DALI LS/PD BASIC LI

- Light and motion sensor for ceiling installation or for installation in lighting fixtures with a reflecting grid for connection to a DALI RC BASIC control unit
- Operating area: 10...400 lx (measured on Sensor)
- Installation height: 2...6 m
- Motion detection area: conical, aperture angel 120°
- Automatic photometry value averaging and expansion of the motion detection area at parallel connection of sensors
- Protection class II / type of protection IP 20
- Ambient temperature: 0...+50 °C
- Dimensions: 46 / 27 mm (Ø / H)
- Order description: DALI LS BASIC LI

DALI LS/PD BASIC

- Light and motion sensor for installation in 50 mm standard halogen mounting rings (ceiling installation) or for installation in luminaires for connection to a DALI RC BASIC control unit
- Operating area: 10...400 lx (measured at the sensor)
- Installation height: 2...6 m
- Motion detection area: conical, aperture angel 120 °
- Automatic photometry value averaging and expansion of the motion detection area at parallel connection of sensors
- Protection class II / type of protection IP 20
- Fix connected 2 m long sensor line, renewable up to 100 m
- Ambient temperature: 0...+50 °C
- Dimensions: 71 x 58 x 42 mm (L x W x H)
- Order description: DALI LS/PD BASIC

DALI WCU5 BASIC W

- Pushbutton field for connection to a DALI RC BASIC control unit
- 5 standard pushbuttons with make contact 230 V for mounting in 2 flush-type boxes
- Type of protection: IP20
- Ambient temperature: 0...+50 °C
- Dimensions: 150 x 80 x 15 / 45 mm (L x W x H)
- Order description: DALI WCU5 BASIC W

Components

Y-CONNECTOR

Branch element for pluggable system extension

- With 3 4p4c (RJ10) plug protected against polarity reversal, tool-less attachment with glue pad
- With two 2.1 m long ready-made power supply cords with a 4p4c (RJ10) plug protected against polarity reversal
- Housing consists of flame-retardant polycarbonate, halogen free
- Dimensions: 34 x 18 x 16 mm (L x W x H)
- Connection: RJ10 plug secured against polarity reversal or a 4-pin screw terminal
- Order description: Y-CONNECTOR

Y-CONNECTOR SCREW

Branch element for pluggable system extension with screw terminal for connection of 4-wire control cable

- Splitter element with 2 4p4c (RJ10) plugs protected against polarity reversal and 2 x 4 screw terminal for cable cross sections of 0.3...1.5 mm²
- Mounting with glue pad without tools, with 2 ready made 2.1 m power supply cords with 4p4c (RJ10) plugs protected against polarity reversal
- Housing consists of flame-retardant polycarbonate, halogen free
- Dimensions: 40 x 20 x 16 mm (L x W x H)
- Connection: 4p4c (RJ10) plug secured against polarity reversal or a 4-pin screw terminal
- Order description: Y-CONNECTOR SCREW

LMS CI BOX

Mounting box for ceiling installation of light control elements

- With cable clamp for ceiling installation of light control units with the dimensions 189 x 30 x 21 mm
- With screw less Wago-connectors for easy through wiring
- Housing consists of flame-retardant polycarbonate, halogen free
- Dimensions: 261 x 71 x 32 mm (L x W x H)
- Type of protection: IP20
- Order description: LMS CI BOX

ECO CI KIT

Pluggable cable clamp for ceiling installation for the light control components DALI MULTleco, DIM MULTleco and DALI PRO sensor coupler

- Suitable in combination with MULTI3 CI ceiling installation sensor for mounting in suspended ceilings with at least 10 cm installation depth, required ceiling cutout for ceiling installation 42...48 mm
- Housing consists of flame-retardant polycarbonate, halogen free
- Dimensions: Control unit with cable clamp 140 x 33 x 23 mm (L x W x H)
- Order description: ECO CI KIT

DALI CON 1...10 SO

- Signal converter DALI to 1...10 V for serial installation on 35 mm DIN-rail in switch and distribution cabinets
- Integrated 5 A relay make contact (internal with L connected)
- Linear 0...10 V or logarithmic 1...10 V control characteristic adjustable via wheel
- Integrated power supply
- mains voltage secure DALI input with 2 mA power consumption, protected against polarity reversal
- Connection for external push button with make contact for one touch button control of the connected 1...10-V devices
- Basis orientated 1...10 V output, max. 100 mA
- Protection class II / Type of protection IP 20
- Ambient temperature: 0...+ 45 °C
- Order Description: DALI CON 1...10 SO

DALI CON 1...10 LI

- Signal converter DALI to 1...10 V for luminaire installation
- Integrated 5 A relay make contact (internal with L connected)
- Linear 0...10 V or logarithmic 1...10 V control characteristic adjustable via wheel
- Integrated power supply
- mains voltage secure DALI input with 2 mA power consumption, protected against polarity reversal
- Connection for external push button with make contact for one touch button control of the connected 1...10-V devices
- Basis orientated output 1...10 V, max. 100 mA
- Protection class II / Type of protection IP 20
- Ambient temperature: 0...+ 50 °C
- Dimensions: 190 x 30 x 28 mm (L x W x H)
- Order description: DALI CON 1...10 LI

DMX and RDM repeater for signal amplification, increase electrical safety

- DMX and RDM isolator links different installations with a galvanic isolation and ensures potential-free data transmission
- Full ANSI E1.20-2006 RDM support
- USITT DMX512A compatibility
- External power supply input with a separate isolation barrier
- Ambient temperature range: 0 °C to +50 °C
- Overvoltage protection
- Restart after short circuit
- Anodised aluminum housing, flat (24 mm) case
- RJ45 or screw terminals for signal data
- Complies with: EN61000, EN 55022, EN 60950-1
- Approvals: CE
- 3-year system+ guarantee: Any control gear, which has failed because of a material or manufacturer's fault, will be refunded.
- Order description: DMX ISOL REP