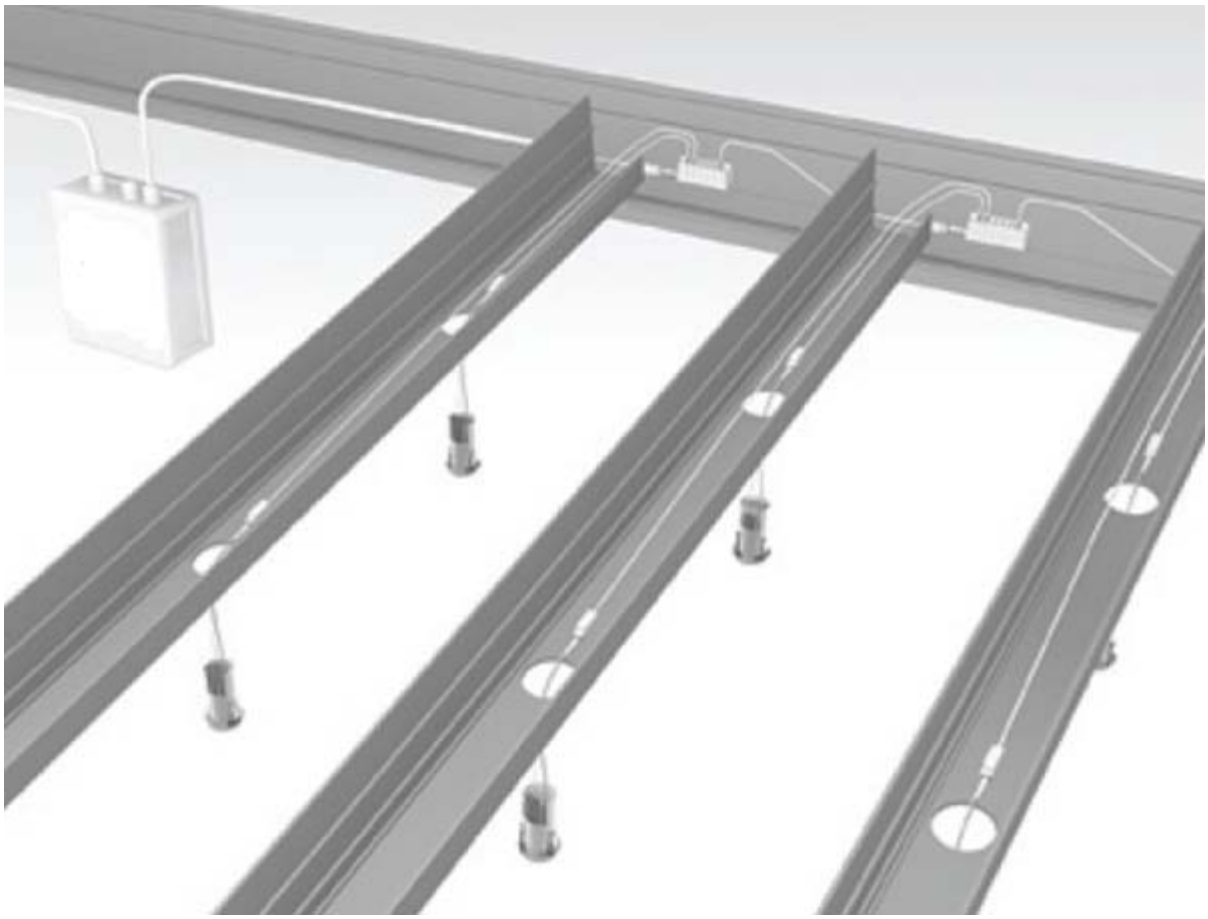
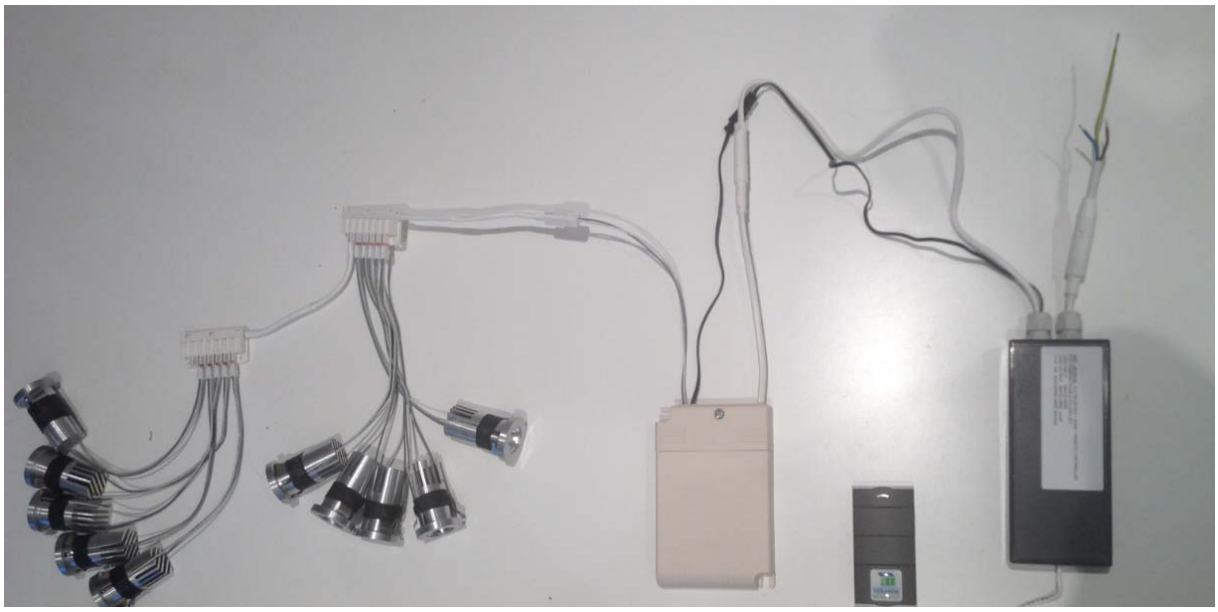
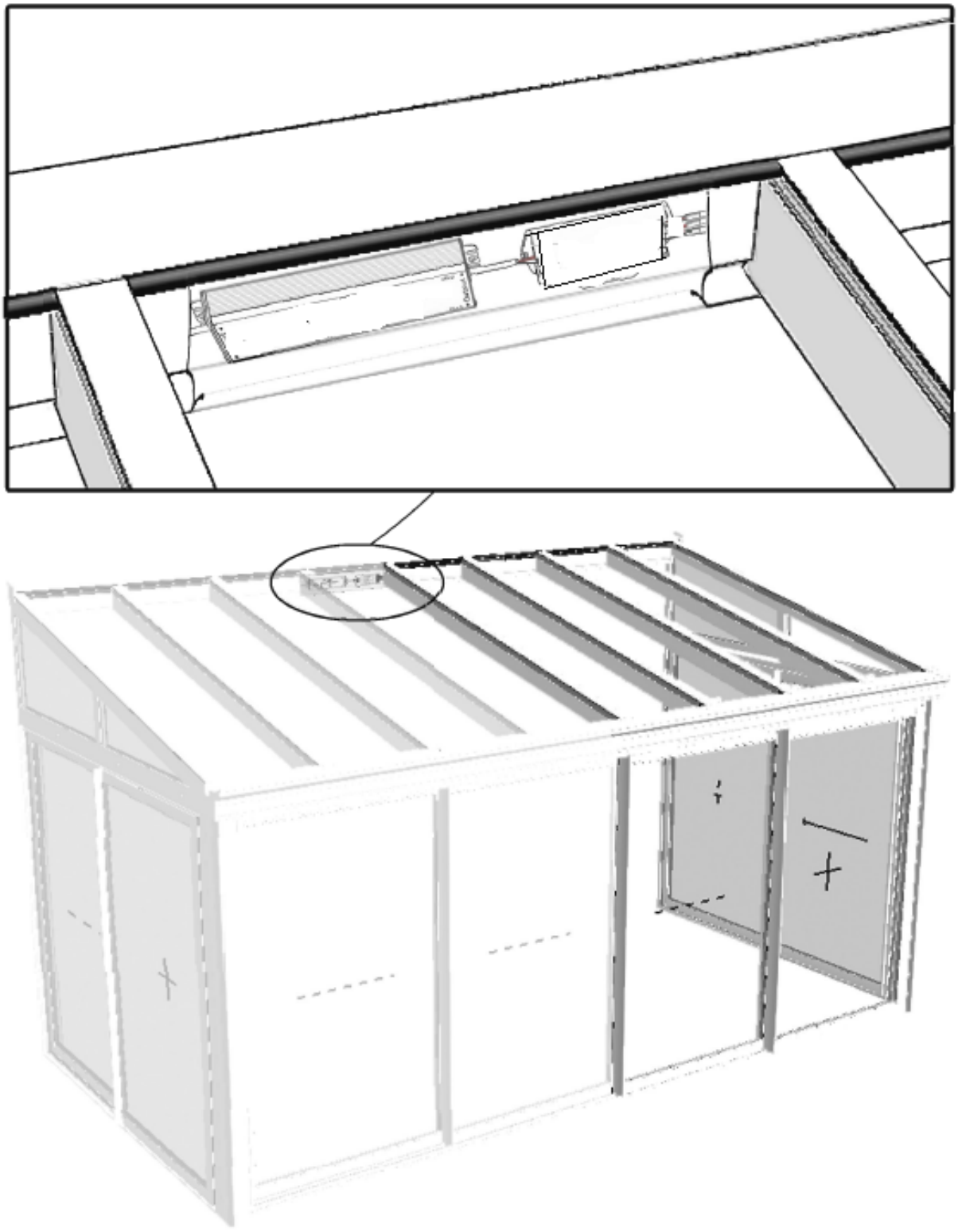
LED spotlights

Settene leveres med 10 spotlights pr sett (max).
Ønskes flere spotlights enn 10 stk må det leveres 2 eller flere sett.
En kan velge å bruke færre enn 10 spot pr sett om ønskelig (1-10)

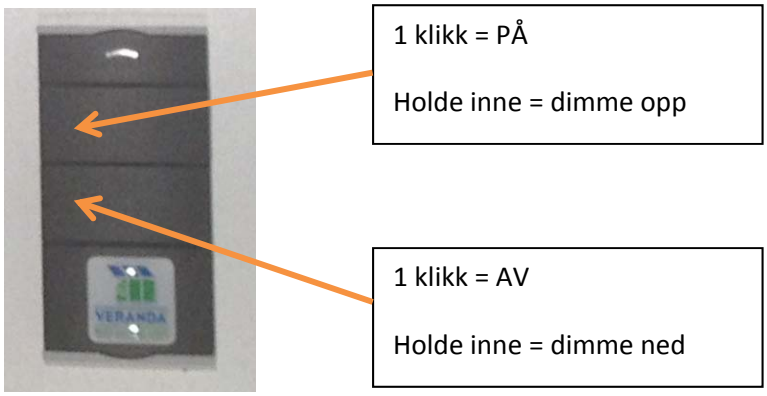
VERANDA
Når ute blir inne







Programmering av fjernkontroll:



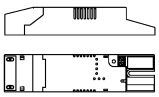
Spot kan programmeres til å starte med ønsket dimming når de slåes på. For å programmere dette:

1. Slå på spotlights.
2. Dimm til ønsket lysstyrke
3. Hold inne AV og PÅ knapp samtidig i 2 sekunder. Spottene vil da dimme helt opp og helt ned for å bekrefte innstillingene.
4. Neste gang du setter på spottene vil de starte i innstilt styrke.

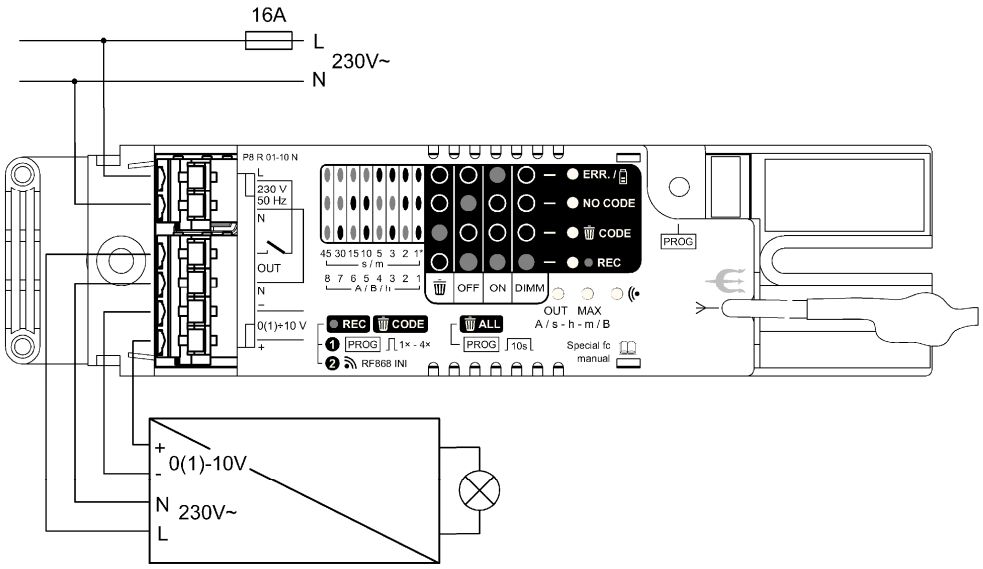
Gjenta disse stegene om du ønsker å endre den forhåndsinnstilte styrken.

Receiver with analogue output

Article:
20.001.01PRE



PLS bvba
Moeskroensesteenweg 209
8511 Aalbeke
Belgium



DESCRIPTION

This receiver, with a suitable transmitter from the POSEIDON® system, is intended to control dimmable analogue ballasts 1 ÷ 10 V or devices using analogue control of 0 ÷ 10 V. The receiver is designed to be built into lighting fittings, ceiling constructions and other confined spaces.

FUNCTIONS OF THE RECEIVER

DIMM – single-button mode
Press (brief press) the transmitter button to alternately switch on/off the output relay while alternating the output signal from minimum to maximum and vice-versa.
Press (long press) the transmitter button to gradually increase or decrease the output signal, with opening of the relay upon reaching the minimum.

DIMM – two-button mode
Press (brief press) the transmitter's upper button to close the relay and set the output signal to maximum.
Press (brief press) the transmitter's lower button to open the relay and set the output signal to minimum.
Press (long press) the transmitter's upper button to close the output relay, or to leave the relay closed and gradually increase the output signal up to maximum.
Press (long press) the transmitter's lower button to gradually decrease the output signal, with opening of the output relay upon reaching the minimum.

ON
Upon each press of the transmitter button, the relay of the receiver will close and remain closed. The output signal will be set to maximum.

OFF
Upon each press of the transmitter button, the relay of the receiver will open and remain open. The output signal will be set to minimum.

SCENE - SC
Press (brief press) the transmitter button to set the output signal to a preset level.
Press (long press) the transmitter button to store the current level of the output.
Up to 16 scenes can be stored.

TIMER
Upon pressing the transmitter button, the output relay will close and the value of the output signal will be set to maximum for a preset time period (1 s to 8 hours). Each subsequent press of the transmitter button will start the countdown from the beginning again.

TIMER /OFF SINGLE BUTTON MODE
If the relay is opened, upon pressing the transmitter button, the output relay will close and the value of the output signal will be set to maximum for a preset time period (1 s to 8 hours). If the relay is closed, the output signal will be set to the minimum value and the relay will open.

TIMER /OFF TWO-BUTTON MODE
Upon pressing (brief press) the transmitter's upper button, the output relay will close and the value of the output signal will be set to maximum for a preset time period (1 s to 8 hours). Each subsequent press of the transmitter button will start the countdown from the beginning again.
Press (brief press) the transmitter's lower button to open the relay and set the output signal to minimum.

LEVEL
Use this function to set the requested value of the switch-on control signal in the transmitter (for DIMM, ON and TIMER functions).

RETR
This function only "forwards" the code of the programmed transmitter in case the range of devices is not sufficient. It does not influence the relay status. Minimum distance between devices is 2 m!

Note:

When programming the RETR function, it is recommended to program all buttons of the transmitter (press all buttons of the transmitter simultaneously).

In manual setup, only one receiver can be used for retransmission of a code of a transmitter. If you program the same code in another receiver (that is within range of the first receiver), the code of the newly programmed receiver will be automatically erased immediately after programming. The receiver will announce this action by alternating fast blinking of the REC and CODE LEDs.

If the range of devices is still not sufficient when using one receiver set for retransmission of the code, remote management (SW POSEIDON® Assistant) must be used to set multiple retransmission.

Indication of operating status of the receiver:
- *Flashing LED – a signal is being received from a transmitter.*
- *Slow flashing LED ERR./ – weak battery of the last-used transmitter.*
- *Slow flashing NO CODE LED – memory of the receiver is empty.*
- *LED OUT lights up – the output relay will close.*
- *LED MAX lights up – indication of the maximum value of the control signal.*

FIRST USE

- Using a suitable tool, push in the cover lock while pulling it upwards (fig. 1).
- Mount the receiver using 2 screws (included, 3.9x12) or using a suitable self-adhesive material.
- Connect the receiver to the mains and appliances (fig. 2).
- Then remount the cover in its place. Secure cables against coming loose using two screws 3.5x14, which tighten the flexible lower part of the cover against the cover of the terminals. (In case covering of the receiver terminals is not required, you may break off the flexible lower part.)
- Locate the aerial as far as possible from power cables and other metal objects.

Note:

Only qualified person can connect (disconnect) the receiver to (from) the mains and appliance.

Due to the risk of reducing the detection zone, it is not recommended to locate the receiver near sources of electromagnetic interference. A strong electromagnetic field may impair or disable correct functioning of the receiver! The detection zone depends on the material in which the receiver is built. Conductive materials and items near the receiver aerial decrease its operating range.

The electrical circuit to which the appliance with the receiver is connected must be protected by an element (fuse, breaker) of cutoff current max. 16 A.

A) How to program the transmitter into the receiver memory – basic functions

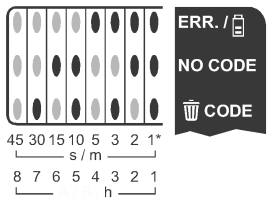
DIMM
- Press (brief press) the PROG button on the receiver once – this will be indicated by illuminated LED ● REC and flashing LED OUT.
- Press the appropriate button(s) of the transmitter twice.
- If registration of the program is correct, both LED ● REC and CODE will flash simultaneously.

ON
- Press (brief press) the PROG button on the receiver twice – this will be indicated by illuminated LED ● REC and ERR./.
- Press the appropriate button(s) of the transmitter twice.
- If registration of the program is correct, both LED ● REC and CODE will flash simultaneously.

OFF
- Press (brief press) the PROG button on the receiver three times – this will be indicated by illuminated LED ● REC and NO CODE.
- Press the appropriate button(s) of the transmitter twice.
- If registration of the program is correct, both LED ● REC and CODE will flash simultaneously.

B) How to program the transmitter into the receiver memory – special functions

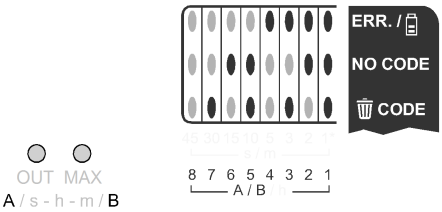
TIMER
- Press (long press >0.5 s) the PROG button on the receiver once. It will be indicated by flashing LED ● REC and illuminated LED CODE.
- Time of relay closing can be selected in two ways:
  1. By measuring off the time
  - Press the appropriate button(s) of the transmitter twice. Measuring off the time will be indicated by fast flashing LED CODE, NO CODE and ERR./.
  - Press the PROG button to stop time measuring.
  2. By table
  - The time of relay closing is specified according to the time table by a combination of LED CODE, NO CODE and ERR./ indications; the time unit is specified by flashing of the LED s (seconds), the LED m (minutes) or simultaneous flashing of both LEDs (hours). The required time value can be set by repeated brief presses of the PROG button. Time of closing can be set in the following values: 2, 3, 5, 10, 15, 30, 45 s, 1, 2, 3, 5, 10, 15, 30, 45 min and 1 to 8 h.
  - Press (long press) the PROG button to return to the operating mode.
  - Press the appropriate button(s) of the transmitter twice.



- If registration of the program is correct, both LED ● REC and CODE will flash simultaneously.

TIMER /OFF
- Press (long press >0.5 s) the PROG button on the receiver once and then press it (brief press) once. It will be indicated by flashing LED ● REC and illuminated LED CODE and ERR./.
- Time of relay closing will be set similarly to programming of the TIMER function.

SCENE - SC
The transmitter must be programmed for one of 16 scenes (SC A1 to A8 and B1 to B8):
- Press (long press >0.5 s) the PROG button on the receiver once and then press it (brief press) twice. It will be indicated by flashing LED ● REC and illuminated LED CODE and NO CODE.



- Press (long press) the PROG button once **again** to select a scene according to the table. The scene number will be indicated by a combination of LED CODE, NO CODE and ERR./, a group of scenes will be indicated by flashing LED A or B.
- Press (brief press) the PROG button repeatedly to select the required scene.
- Press the appropriate button(s) of the transmitter twice.
- If registration of the program is correct, both LED ● REC and CODE will flash simultaneously.

LEVEL
- Press (long press >0.5 s) the PROG button on the receiver once and then press it (brief press) three times. It will be indicated by flashing LED ● REC and illuminated LED CODE, NO CODE, ERR./ and OUT.
- Press the appropriate button(s) of the transmitter twice. WARNING – the transmitter must already be programmed for one of the DIMM, ON or TIMER functions – indicated by fast flashing of LED REC, CODE, NO CODE, ERR./.
- Press the same transmitter's button (buttons) (long press) to set the required level of the control signal.
- Press (brief press) the PROG button to store the set level in the receiver memory – indicated by change of the output signal to the maximum or minimum value.

Note:

You can press (long press) the PROG button to return from the setting mode to the operating mode without changes.

RETR
- Press (long press >0.5 s) the PROG button on the receiver once and then press it (brief press) four times. It will be indicated by flashing LED REC.
- Press the appropriate button of the transmitter twice.
- If registration of the program is correct, both LED ● REC and CODE will flash simultaneously.

C) How to delete one transmitter programmed with DIMM, ON and OFF functions.
- Press (brief press) the PROG button on the receiver four times – this will be indicated by illuminated LED CODE and flashing LED OUT.
- Press the appropriate button of the transmitter twice.
- If deletion of the program is correct, both LED ● REC and CODE will flash simultaneously.

D) How to delete one transmitter programmed with the RETR function
- Press (long press >0.5 s) the PROG button on the receiver once and then press it (brief press) five times. It will be indicated by flashing LED CODE.
- Press the appropriate button(s) of the transmitter twice.
- If deletion of the program is correct, both LED ● REC and CODE will flash simultaneously.

E) How to delete all transmitters
- Press (long press >10 s) the button on the transmitter.
- Deletion of all transmitters will be indicated by simultaneously flashing LED ● REC and CODE followed by flashing LED NO CODE.

Note:

If no code is programmed or no move to another state is performed within 30 seconds of programming or deleting the device, the receiver automatically returns to operating mode. Alternating flashing of LED ● REC and CODE – error message (for example, the code being programmed has already been programmed in the receiver memory, or, in case of deletion, the code being deleted is not present in the memory).

REMOTE MANAGEMENT

For devices in the POSEIDON® series, manual programming of transmitter codes, functions and parameters can be substituted by remote management using the SW POSEIDON® Assistant tool and the P8 TR USB transmitter. You can even use remote management to set other functions and parameters that cannot be accessed otherwise:
- Disable (enable) manual programming and deletion of transmitters.
- Lock selected transmitters against deletion from the receiver memory.
- Setting up to 3 devices with the RETR function for a single transmitter.
- Disable (enable) search mode.

By default, the receiver is set to the so-called state of time-limited search. This means that when a receiver is being connected using remote management for the first time, it is possible to connect to it only within the first five minutes of connecting it to the supply voltage. To enable time-unlimited search (can be misused to gain unauthorized access to remote management!), before you connect the receiver to the supply voltage, press and hold the PROG button until the receiver indicates the change by three simultaneous flashes of LED ● REC, CODE, NO CODE and ERR./. Similarly, use this procedure to return to time-limited search; the only difference is indication by only one short blink.
The current setting of the search mode can be ascertained while connecting the receiver to the supply voltage. Three short blinks of LED ● REC, CODE, NO CODE and ERR./ indicate unlimited search, one short blink indicates time-limited search, no short blinking indicates searching is disabled.

RESET TO DEFAULTS

If you need to cancel all function and parameter settings, you can return to the manufacturer's default settings.
- Press and hold the button on the receiver while the receiver is connected to the supply voltage until LED REC, CODE, NO CODE and ERR./ light up (approx. 10 s).
- While the LEDs are lit up (approx. 3 s), release the button and press it briefly again.
- Resetting to the manufacturer's defaults will be indicated by simultaneously flashing LED ● REC and CODE followed by continuous illumination of LED NO CODE.

Note:

When resetting to defaults, all programmed codes will be deleted from the receiver memory as well!!!

Technical data	P8 R 01-10 N
Number of channels:	1
Power supply:	230 V ±10 % 50 Hz
Output voltage:	230 V
Max Output power:	2300 W classic lights, halogen lamps) 1750 VA (12 V halogen lamps with transformer, balasts) 500 VA / 64µ (fluorescent lamps)
Output control signal:	0÷10 ±0,25 V= max. 2,5 mA* 1÷10 ±0,25 V= max. -100 mA*
Protection:	IP 20 according to ČSN EN 60529
Operating temperature:	-20 ÷ + 55 °C
Weight:	60 g
Dimensions:	162 × 40 × 30 mm
Connecting terminals:	max. 2,5 mm^2
Frequency:	868,3 MHz
Range:	150 m in open space
Number of codes:	2^{24}
Codes in memory:	max. 32

*** By default, the receiver is factory-preset to the output range of 0÷10 V (max. 2.5 mA), but even with this setting, 1-10 V requiring active load (max. - 100 mA) can be used for controlling decoders. The output range can only be changed to 1÷10 V using remote management.**

This device shall be operated according to the valid VO–R/10/ and under the conditions thereby specified.

CE

the drivers are switched on, press the PUSH key for more than one second (long PUSH) followed with a short push (<1s). Now the devices are switched off, do a long PUSH, the system will now be resynchronised. Total length of PUSH cables: 15m.

N.B.: The use of the push button inhibits the use of the 1...10 V signal. To return to use of the 1...10 V signal keep the signal less than 0,5 V for at least 2 seconds.

INPUT

- Nominal: 110/240 Vac -10/+10 % 50/60Hz.
- Terminal block for up to 1 x 2.5 mm2.
- Strain relief for cables with D= 3...8mm.
- Max Input Current: 0.55 A /0,25A.
- Power factor λ: 0.95 @ Pout >25W.
- Harmonic content of mains current: accord-ing to EN 61000-3-2.
- Inrush current: 20A 400uS.

OUTPUT

- SELV insulation on output.
- Terminal block for up to 1 x 0,5...2.5 mm2.
- Strain relief for cables with D= 3...8mm.
- Selection of current and voltage output through Dip switch (See table)
- Max output power and current precision
  30 W @ 250 mA ± 6% (10...112 V)
  40 W @ 350 mA ± 5% (10...112 V)
  47 W @ 400 mA ± 5% (10...112 V)
  50 W @ 450 mA ± 5% (10...110 V)
  50 W @ 500 mA ± 5% (2...100 V)
  50 W @ 550 mA ± 5% (2...91 V)
  50 W @ 600 mA ± 5% (2...83 V)
  50 W @ 700 mA ± 5% (2...71 V)
  50 W @ 900 mA ± 5% (2...55 V)
- Max. Output voltage: 119 VDC.
- Efficiency @fulll load: 0,91%. DIM 50% =0,87%.
- No load consumption: 1.6W.
- 12V isolated auxiliary output max 100mA.

DIMMING

- PWM controlled by 1-10 V signal, 100K po-tentiometer or pushbutton * **.
- Terminal block on the secondary side for 1-10 V Signal or potentiometer (max source current 0,35 mA) .
- Terminal block on primary side for push button; (Impedance 170 Kohm).
- Header for other power supplier synchronization (1master + 9 slaves max).
- Terminal block for external NTC signal for load current reduction: trigger voltage 3 V: Int Res. 18 K (see table).
- Selectable Softstart ***.

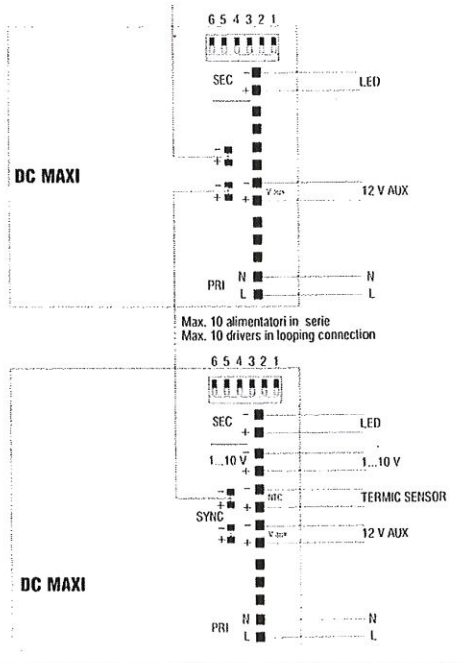
PROTECTIONS

- Against input overvoltages from mains (according to EN 61547).
- Against short circuit and open circuit.

* Push button must be connected between the Terminal block (PUSH) and Phase. The use of push button inhibits the 1-10V signal. To reset keep the 1-10 V signal below 0,5 V for at least 2 secs.

** PUSH Synchronisation: If more than one device is operated with a single key during PUSH operation, asynchronous behaviour can occur, which will require manual resynchronisation using the method described. It is recommended not to control more than four devices using a single key. Should this be unacceptable, a synchronisation cable will have to be used instead. Any 1-key dimmer that does not feature a central control module (as each driver will have its own controls) can develop asynchronous behaviour (e.g. children might play with the key). The system will then be out of sync, i.e. some lamps will be on, others off or the dimming direction will differ from lamp to lamp. Method of resynchronisation: when the drivers are switched on, press the PUSH key for more than one second (long PUSH) followed with a short push (<1s). Now the devices are switched off, do a long PUSH, the system will now be resynchronised. Total length of PUSH cables: 15 m.

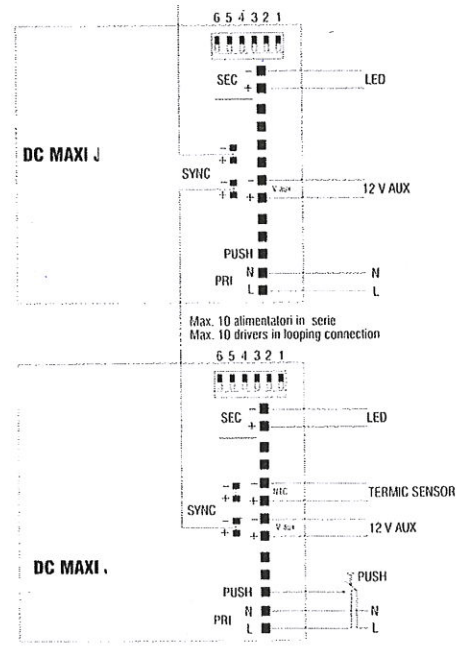
Schema con 1...10 V o potenziometro - Diagram with 1...10 V or potentiometer



Valore NTC NTC value	Temperatura inizio intervento Start operation temperature (3V Req= 26Kohm)	Temperatura spegnimento completo Total turn off temperature (2,2V Roff=15Kohm)
100 K	55°C	72°C
150 K	65°C	80°C
220 K	75°C	90°C

Tabella intervento NTC esterna. Vedere specifica produttore di NTC.
External NTC Table. See NTC manufacturer datasheet.

Schema con pulsante - Diagram with push button



GARANZIA: I prodotti sono garantiti per 24 mesi dalla data di fabbricazione. La garanzia copre tutti gli eventuali difetti di fabbricazione. La garanzia non copre gli eventuali difetti e/o danni causati da utilizzo errato o non conforme alle istruzioni di installazione ed impiego. La garanzia decade se i prodotti vengono aperti o manomessi. **Nota:** La Società si riserva la possibilità, nel rispetto delle norme in vigore, di apportare, senza preavviso, modifiche tecniche e dimensionali per migliorare le caratteristiche e le prestazioni dei prodotti.

WARRANTY: Our products are guaranteed for 24 months from the date of manufacture. Our warranty covers all manufacturing defects. Our warranty does not cover defects and/or damages due to improper use or not conforming to the operating and installation instructions. The warranty will be invalidated if the products are opened or tampered with. **Note:** According to the regulations in force, the Manufacturer reserves the right to make technical and dimensional changes to improve product characteristics and performance without prior notice.

Direttiva UE 2002/96/EC (RAEE) - INFORMAZIONI AGLI UTENTI
QUESTO PRODOTTO È CONFORME ALLA DIRETTIVA 2002/96/EC.

Il simbolo del cestino barrato riportato sull'apparecchio indica che il prodotto, alla fine della propria vita utile,dovendo essere trattato separatamente dai rifiuti domestici, deve essere conferito in un centro di raccolta differenziata per apparecchiature elettriche ed elettroniche oppure riconsegnato al rivenditore al momento dell'acquisto di una nuova apparecchiatura equivalente. L'utente è responsabile del conferimento dell'apparecchio a fine vita alle appropriate strutture di raccolta. L'adeguata raccolta differenziata per l'avvio successivo dell'apparecchio dismesso al riciclaggio, al trattamento e allo smaltimento ambientalmente compatibile contribuisce ad evitare possibili effetti negativi sull'ambiente, sulla salute e favorisce il riciclo dei materiali di cui è composto il prodotto. Lo smaltimento abusivo del prodotto da parte dell'utente è sanzionato dalla legge. Per informazioni più dettagliate inerenti i sistemi di raccolta disponibili, rivolgersi al servizio locale di smaltimento rifiuti, o al negozio in cui è stato effettuato l'acquisto.

Directive UE 2002/96/EC (WEEE) - INFORMATION FOR USERS
THIS PRODUCT CONFORMS WITH EU DIRECTIVE 2002/96/EC.

It carries the symbol of the crossed-out waste bin, which means that once its useful life is over it must be treated separately from other domestic waste: it must be taken to a recycling centre for electrical and electronic equipment, or taken back to a retailer and left there when a new equivalent device is purchased. The user is responsible, when the device is to be disposed of, for taking it to the appropriate collection point. Proper differentiated collection is necessary so that the obsolete device can be sent on for environmental friendly recycling, treatment and dismantling, in order to avoid any possible negative environmental impact or health risk and to allow the materials of which it is made to be re-used. More detailed information about available systems for collection may be obtained from the local waste disposal services, or from the shop from which the device was purchased.

CONFORMITEITSVERKLARING
(EU CONFORMITY DECLARATION)

Het Bedrijf :
(the company):

PLS bvba
Moeskroensesteenweg 209
8511 Aalbeke
Belgium

Onderwerp van de verklaring:
Product discription :

LED DOWNLIGHT VOOR MONTAGE IN ALUMINIUM STRUCTUREN

LED DOWNLIGHT FOR ALU STRUCTURES

Bovengenoemd product voldoet aan de essentiële eisen, die zijn gespecificeerd in Richtlijn 2004/108/EG betreffende de onderlinge aanpassing van de wetgevingen van de lidstaten inzake elektromagnetische compatibiliteit. *EMC 2004/108/EG*

Het product van beschrijving is conform van volgende specificaties :
To wich this declaration refers , is according to the following standards : *ISO/IEC 17050-1 : 2004*

Nr. documenten	Titel:	Editie/datum van uitgifte
Artikel n° 11-901	*PHOTON 6.2Watt*	*01-12-2011*
Artikel n° 11-902	*PULSAR 6.2Watt*	*01-12-2011*
Artikel n° 11-909	*PIXAR 4.2Watt*	*01-12-2013*

Aanvullende informatie
Aanpassingen aan het ontwerp uitgevoerd op 12-01-2014 voor verbetering van de trekontlasting

PLS
MOESKROENSESTWEG 209
8511 AALBEKE BELGIUM
e-m@il INFO@PERGOLIGHT.BE
☎ *2356756274 Fax: 757149

19-12-2014 Belgie

(Datum van afgifte van conformiteitsverklaring)(Naam en handtekening verantwoordelijke persoon)

DICHIARAZIONE DI CONFORMITA' UE
(EU CONFORMITY DECLARATION)

La ditta: PLS BVBA
The company:

dichiara sotto la propria responsabilità che il/i seguente/i prodotto/i :
declares under its own responsibility that the following product/s:

Descrizione prodotto: **ALIMENTATORE ELETTRONICO per moduli LED**
Product description: electronic controlgear for LED module

Modello/i prodotto/i: **DC MAXI (122414), DC MAXI BILEVEL (122414BL), DC MAXI HV BILEVEL N (122414BLN), DC MAXI DALI (122409), DC MAXI MIDNIGHT (122408)**
Product type/s:

al quale questa dichiarazione si riferisce é conforme alle seguenti norme:
to which this declaration refers, is according to the following standards:

EN 61347-1:2008+A1:2011+A2:2013, EN 61347-2-13:2006, EN 62384:2006+A1:2009, EN 62442-3:2014, EN 55015:2013, EN 62493:2010, EN 61547:2009, EN 61000-3-2:2006+A1:2009+A2:2009, EN 61000-3-3:2013, EN 50581:2012

Certificato n.: -
certificate no.:

e quindi risponde ai requisiti essenziali delle direttive:
and so it meets the essential requirements of the following directives:

2014/35/UE - 2006/95/CE - 2014/30/UE – 2004/108/CE - 2009/125/CE - 2011/65/UE
e successivi regolamenti
and following regulations

Ultime due cifre dell' anno di apposizione della marcatura: **12**
last two numbers of the year of first marking use:

luogo e data: 25-01-2015
place and date: BELGIUM

PLS
MOESKROENSESTWEG 209
8511 AALBEKE BELGIUM
e-m@il INFO@PERGOLIGHT.BE
☎ *2356756274 Fax:757149