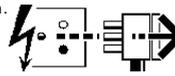


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**Disconnect from mains supply before replacing the fuse or the lamp.**  
**Vor dem Einsetzen der Sicherung oder der Lampe Spannungsfreiheit herstellen.**  
**Débrancher le secteur avant de remplacer le fusible ou l'ampoule.**  
**Desconectar del suministro de la red, antes de realizar la sustitución del fusible o de la lámpara.**  
**Voor het vervangen van lamp of zekering, eerst netspanning uitschakelen.**  
**Koppla bort spänningen före byte av en säkring eller en lamp.**



**Switch Off**  
**Abschalten**  
**Débrancher**  
**Desconectar**  
**Uitschakelen**  
**Stäng av**

DC Jolly is a ballast for LEDs which can power both voltage LED strips (10V, 12V, 24V) and power current powered LEDs (350mA, 500mA, 700mA).

The function mode is selected by means of the DIP switch, which is below the terminal cover, according to the following table:

DIP position	1	2	3	4	5	6
15W 350mA	-	-	-	-	-	-
22W 500mA	-	-	-	-	-	ON
25W 700mA	-	-	-	-	ON	ON
8W 10V	-	-	ON	ON	ON	ON
10W 12V	-	ON	-	ON	ON	ON
20W 24V	ON	-	-	ON	ON	ON

Moreover DC Jolly is a dimmer ballast which can vary the light intensity of the connected LEDs by means of a type 1 ÷ 10V control signal, potentiometer or normally open push button. The connections must be carried out as shown in the following diagrams:

Diagram with 1 ÷ 10 V or potentiometer



Diagram with push button

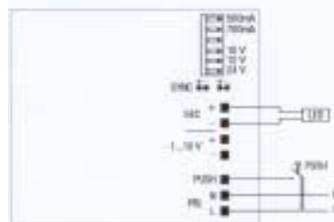
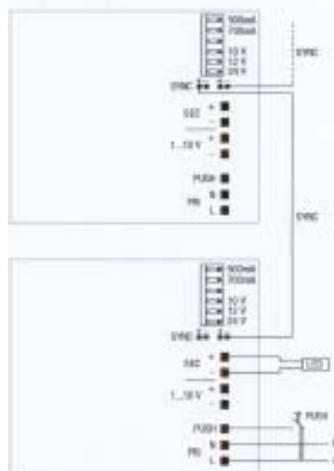


Diagram function synchronization



Function synchronization during dimming of more than one ballast is possible by means of the sync gates. In this way there is the same light intensity (with the same connected LED load) among all the connected ballasts. This possibility is highly recommended when more than one ballast needs to be controlled by one push button.

**Ballast Function**

**1 ÷ 10V function**

The light intensity of the LEDs vary proportionally to the signal sent to the terminal. Intensity is null with a signal less than 1V.

**Potentiometer function**

By rotating the potentiometer there is a variation of the LED light intensity in a proportionate or logarithmic way depending on the model of the potentiometer used. The use of a logarithmic potentiometer is recommended.

**Push button function**

By pressing the push button for less than one second the LEDs turn on or off. By pressing the push button for more than one second the light intensity of the LEDs is dimmed according to the following modalities:

If the light intensity is not at maximum, by pressing the key there will be an increase of this maximum or to the corresponding level at the moment the key is released. A further pressure on the key inverts the dimming direction to the minimum value or to the corresponding level at the moment the key is released.

If light intensity is at maximum by pressing the key there will be a decrease to the minimum value or to the corresponding level at the moment the key is released.

**NB:**

**The use of the push button inhibits the use of the 1 ÷ 10V signal.**

**To return to use use of the 1 ÷ 10V signal keep the signal less than 0,5V for at least 2 seconds.**

**Technical data**

**Input**

Nominal: 220-240 Vac - 10/ + 10% 50-60Hz.  
 Terminal block for up to 1 x 1.5mm<sup>2</sup>  
 Max Input Current: 0.16A  
 Power factor : 0.95  
 Harmonic content of mains current: according to EN61000-3-2.

**Output**

Equiv. SELV insulation on output.  
 Terminal block for up to 1 x 1.5mm<sup>2</sup>.  
 Selection of current and voltage output through Dip switch (see table).  
 Max output power and current precision:  
 25W @ 700mA ± 5% (2....36V)  
 22W @ 500mA ± 5% (2....43V)  
 15W @ 350mA ± 6% (2....43V)  
 20W @ 24.5V ± 5% (900mA max)  
 10W @ 12.5 ± 5% (900mA max)  
 9W @ 10.5V ± 7% (900mA max).  
 Max Output voltage: 46 VDC.  
 Possibility of switch on the LED on secondary side.

**Dimming**

PWM controlled by 1 ÷ 10V signal, 100K potentiometer or pushbutton.  
 Terminal block on the secondary side for 1 ÷ 10V Signal or potenziometer.  
 Terminal block on primary side for push button; connection between phase and terminal block.  
 Header for other power supplier synchronization (1 master + 9 slaves max).

**Protections**

Against input overvoltages from mains (according to EN61547)  
 Thermal and overload protection.

**EMI**

According to EN55015

**Ambient**

Ambient temp.: -20....50C.  
 tc = 75°C  
 tc life 5000H = 70°C

**Safety**

Hi-pot test: 3.75kV, 100% for 2 sec.

**Standards**

EN61347-1, EN61347-2-11, EN61547, EN55015, EN61000-3-2, DIN VDE 0710 teil 14. KEMAKEUR pending.

**Warranty**

Our products are guaranteed for 24 months from the date of the 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.

**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 the once it's 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 or 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.

**Suitable for use indoors**  
 Geeignet für Innenanwendung  
**Pour un usage interne**  
 Adecuada para uso en interiores  
**Geschikt voor gebruik binnen**  
 Lämplig för inomhusbruk



**Replace any cracked protective shield.**

Dieses symbol bedeutet, dass defekte Schutzgläser sofort ersetzt werden müssen.  
**Ce symbol indique que vous devez remplacer tout verre de protection fêlé.**



Este símbolo indica que hay que reemplazar filtros en caso de rotura o desperfectos.

**Dette symbolet indikerer at alle ødelagte (sprukne) sikkerhetglass må skiftes.**

Valaisinta ei saa käyttää ilman suojalasia vioitunut suojalasi on vaihdettava uuteen ennen valaisimen käyttöön ottoa.

< Millimetres >



This Electrical Product MUST be recycled.

