

USER GUIDE

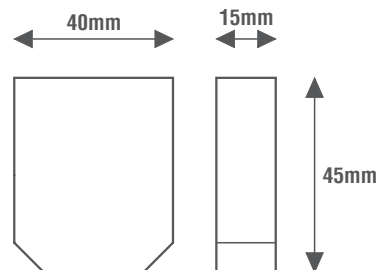
DRU7630MLED

DIMMER CONTROLLED BY PUSH-BUTTON (3 WIRES)



Dimmer with MOSFET technology for resistive, inductive, electronic LED drivers, 230Vac LED lamps.

This device works without the connection of the NEUTRAL wire, therefore being interchangeable with the old generation dimmers for incandescent lamps. It is controlled by means of one or more normally open (NO) BUTTONS with connection indifferently on PHASE (F) or NEUTRAL (N)



General Characteristics

Plastic case

Resinated with polyurethane resin complying with the UL 94V-0 standard.

Push-button control

3wires system (power supply without neutral)

Descending Phase Cutting dimming (at the end of the phase) IGBT Trailing Edge

CODICE CODE	Funzione Function	Taglio di Fase Phase Cut	RESISTIVO RESISTIVE Lampade ad incandescenza o alogene Incandescent or halogen lamps 230Vac	INDUTTIVO INDUCTIVE Trasformatore lamellare Laminated transformer 230/12Vac	INDUTTIVO INDUCTIVE Trasformatore toroidale Toroidal transformer 230/12Vac	Alimentatore elettronico con lampade ad incandescenza o alogene Electronic driver with incandescent or halogen lamps 230/12Vac	Alimentatore elettronico con lampade LED dimmerabili Electronic driver with dimmable LED lamps 230/12Vac	Alimentatore elettronico dimmerabile con uscita in CC/CV per LED Dimmable electronic driver with CC/CV output for LED	Lampade LED dimmerabili Dimmable LED lamps 230Vac	Moduli LED dimmerabili Dimmable LED modules Seoul ACRICH 230Vac	Strip LED dimmerabili Dimmable Strip LED 230Vac	Peso Weight (g)
DRU7630MLED	DIMMER	IGBT	25-200W	-	20-150VA*	20-150W	20-150W	20-150W	15-150W	20-150W	15-150W	50

* If a toroidal transformer is connected, the load on the secondary must not be less than 50% of the rated power.

Notes: above 35 °C ambient, derate the maximum load by 20% for each further increase of 5 °C



Technical Features

Input voltage range: 230Vac

Input frequency: 50Hz

Single channel dimmer with Phase-cut output TRAILING EDGE (IGBT)

Dimming control through:

- push-button (PUSH 230 Vac)

Manageable power (see table)

«LEVEL MEMORY» function (excludable)

«STATUS MEMORY» function at 0% (light OFF after blackout):

- if the lights were off they will remain off.

- if the lights were on they will remain off.

“SOFT START” and “SOFT STOP” function

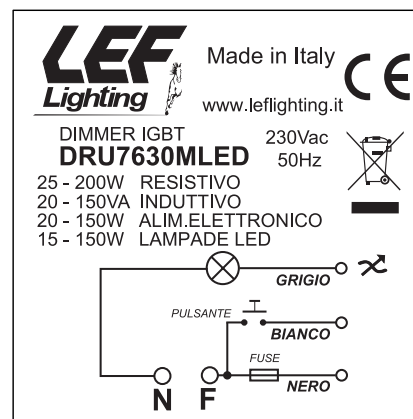
Overload Protection (OLP)

Thermal limiting load (NTC)

Short circuit protection (SCP)

Operating Ambient temperature Ta -5°C ÷ +35°C

Self consumption < 1W



PROTECTIONS:

Electronic overload and short circuit protection:

Prevents the dimmer from turning on if the load exceeds the maximum power allowed or if a short circuit is detected.

Thermal Limitation: Lowers the brightness and in extreme cases, it turns off the dimmer if excessive internal temperature is detected.

ATTENTION:

The installation of the product must be followed by qualified personnel.

If the product is used for purposes other than the original ones or if it is connected incorrectly, LEF Lighting S.R.L. will not accept any responsibility for damages caused.



PRODUCT TO BE DISPOSED DIFFERENTLY FROM URBAN WASTE

AEE identification nr.IT18040000010321



MADE IN ITALY



Reference standards

EN 60669-1

EN 60669-2-1

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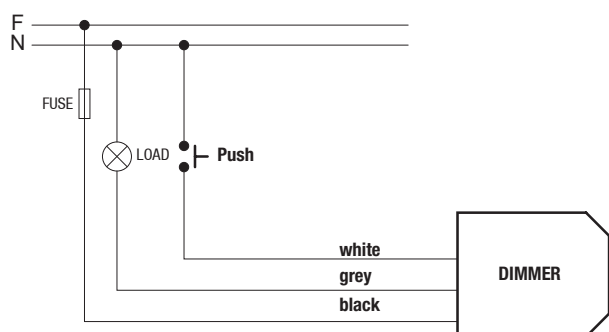
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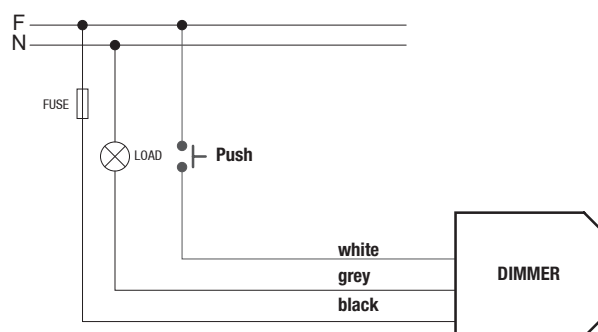
WIRING DIAGRAMS



Push-button connected to the NEUTRAL



Push-button connected to the PHASE



OPERATION WITH MEMORY FUNCTION:

Pressing the button for a short time, the switching on ("SOFT START") begins and proceeds until the light setting in memory is reached.

An additive short pulse switches the regulator off through a gradual light decrease ("SOFT STOP").

Holding the push-button pressed, the memory point of the bright stream changes (DIMMING function).

N.B. In the event of a power failure, the brightness level is restored when the button is pressed (function with LEVEL MEMORY).

OPERATION WITHOUT MEMORY FUNCTION:

The only difference with the previous modality is that every time you turn off the power supply, the stored state is lost.

N.B. The program set during the testing is "WITHOUT MEMORY" type and with TRAILING-EDGE (IGBT) operation.

TO CHANGE PROGRAM (WITH OR WITHOUT MEMORY FUNCTION):

- 1) - Remove the mains voltage.
- 2) - Press and hold the push-button.
- 3) - Insert the mains voltage.
- 4) - Wait for the lamp connected to the dimmer to flash*.
- 5) - Release the push-button.

*Two lamp flashes indicate that the dimmer is passed in «MEMORY» mode.

*Only one light flash indicates that the dimmer is passed in «WITHOUT MEMORY» mode.

N.B. No «STATUS MEMORY» is stored in the absence of main voltage.

The dimmer switches to 0% (light off after a black-out).

MINIMUM BRIGHTNESS ADJUSTMENT:

- 1) - Switch on the light load.
- 2) - Press and hold a button to decrease the brightness.
When the brightness does not change (current minimum), continue to hold down for about another 5".
The brightness will begin to oscillate slowly: the device has entered the minimum adjustment mode.
- 3) - When the brightness reaches the desired level, release the pressure on the button.
The new minimum is stored.

WARNINGS:

- It is advisable not to exceed a length of 25 m for the cable connected to the buttons.
- It is recommended to protect the device with a quick 1.6A 250V FUSE.
- Do not connect no-load electromechanical transformers (without load).
- Do not connect fluorescent lamps, lamellar transformers and electronic motors of any type.
- Do not use buttons with indicator lights.
- The housing must allow sufficient ventilation for the dimmer, therefore do not install near other heat sources.
- The device does not provide galvanic separation between the line and load.

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