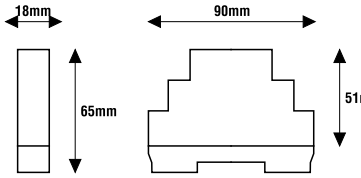
USER GUIDE
DRU7636DIN

Universal dimmers controlled by push-button (4 wires)

General Characteristics

DIN rail plastic case (1 module)
Electric class protection II
Protection degree IP20
4 wires system
ABS-V0 self-extinguishing plastic container



Reference Standards

EN 60669-1
EN 60669-2-1

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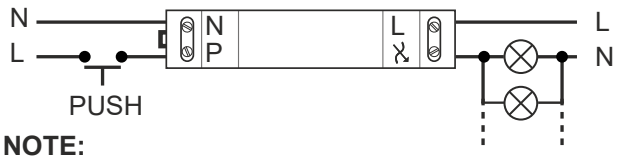
Dimmerazione a Taglio di Fase discendente (a fine fase) IGBT Trailing-Edge
Descending Phase Cutting dimming (at the end of the phase) IGBT Trailing-Edge

CODICE CODE	**Funzione** Function	**Comando** Command	**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 per LED** Electronic driver for LED	**Lampade LED** LED lamps 230Vac	**Moduli LED** LED modules Seoul ACRICH 230Vac	**Strip LED** Strip LED 230Vac	**Peso** Weight **(g)**
DRU7636DIN	**DIMMER**	**PUSH**	10-250W	-	10-200VA*	10-200W	10-200W	2-200W	10-200W	2-200W	55

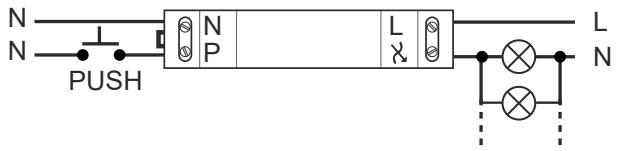
* Use the toroidal transformer at least 50% of its rated power
Above 35°C ambient, derate the maximum load by 20% for each further increase of 5°C.

DIM PUSH 230Vac | **OUT IGBT**

PUSH BUTTON connection on the LINE



PUSH BUTTON connection on the NEUTRAL

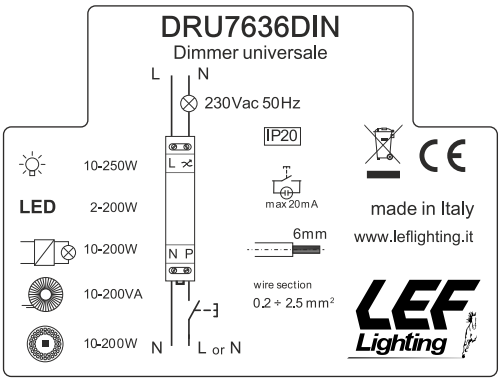


NOTE:
Illuminated buttons with a maximum leakage current of 20mA can be used.
Some indicator lights are unidirectional, meaning they only work in one direction; in these cases, check the correct assembly direction by making a test.

WARNINGS:
- Use only dimmable loads.
- Do not connect electromechanical transformers without load.
- Do not connect fluorescent lamps, lamellar transformers and electric motors of any kind.
- The housing must allow sufficient ventilation for the dimmer, therefore do not install next to others sources of heat and if possible leaving space on both sides of the device.
- Do not connect more than one cable to each pole of the terminals. Excessively long connection cables in environments with strong electromagnetic disturbances may interfere with the operation of the device. In these cases it is recommended limit the length of the button cables.

Technical Features

Input voltage range 230Vac
Input frequency 50Hz
Single channel dimmer with Phase-cut output (IGBT)
Dimming control through:
- push-button (PUSH 230Vac)
Manageable power (see table)
«LEVEL MEMORY» function (switchable)
«STATE MEMORY» function (switchable)
“Soft Start” and “Soft Stop” function
Calibration of the minimum brightness by push-button
Internal safety fuse (2,5A)
Self-consumption <0,5W
Thermal limiting load (NTC)
Overload protection (OLP)
Short circuit protection (SCP)
Operating ambient temperature Ta -5°C ÷ +35°C



[AA] Rev. v1.11 04/04/2023

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Operation

On/off: briefly press a button connected to the dimmer.
Dimming: press and hold a button connected to the dimmer with the light on, until it is reached of the desired light intensity.
To reverse the direction of regulation, release the button and press again.
Switching on and off takes place with the Soft Start and Soft Stop function, for better visual comfort and a less load and dimmer stress.

Memory functions

As a factory setting, the dimmer will be found with all memories deactivated:
- At the first power up the light will be off (0%).
- The first time the button is pressed, the light will always turn on at 100%.
- Following a black-out the light will be 0%.

Two types of memory can be activated:
LEVEL MEMORY: it is the memorization of the brightness level after the button has been switched off. Each time it is turned on, the previous level will be restored.
STATUS MEMORY: this is the storage of the dimmer status after a blackout.
After each power failure the previous state will be restored.

The memory of this device is permanent, i.e. it is not lost in the event of a power failure.

"LEVEL MEMORY" AND "STATUS MEMORY" ACTIVATION

1) Disconnect the mains voltage.
2) Press and hold the button.
3) Insert the mains voltage.
4) Continue to hold the button and wait 3 seconds.
5) The load emit two flashes.

The "LEVEL MEMORY" has been set, release the button if you don't want to activate the **"STATUS MEMORY"**.

6) To activate the **"STATUS MEMORY"** as well, continue to hold down the button and wait 3 seconds.
7) The load will flash three times.

The **"STATUS MEMORY"** has been set, release the button.

"LEVEL MEMORY" AND "STATUS MEMORY" DEACTIVATION (RESET to the factory settings)

1) Disconnect the mains voltage.
2) Press and hold the button.
3) Insert the mains voltage.
4) Continue to hold the button and wait 3 seconds.
5) The load will flash once.

The **"LEVEL MEMORY"** and the **"STATUS MEMORY"** have been deactivated (factory setting).

MINIMUM BRIGHTNESS ADJUSTMENT PROCEDURE

1) Turn on the light by pressing the button.
2) Press and hold the button to decrease brightness, down to the current minimum.
3) Wait for approximately 5" (in which the lamp will not vary brightness) and continue to hold down the button until the brightness starts to rise and fall slowly (minimum adjustment phase)
4) During this last phase, release the button when the brightness has reached the desired value (storage of the new minimum level).

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.

MADE IN ITALY

PRODUCT TO BE DISPOSED DIFFERENTLY FROM URBAN WASTE
AEE Identification nr.IT18040000010321

CE | ta MAX 35°C | 250 WATT | AC 230V | DIN 1 | 22 PAP

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