USER GUIDE
EASYDIM
Universal dimmer controlled by push-button

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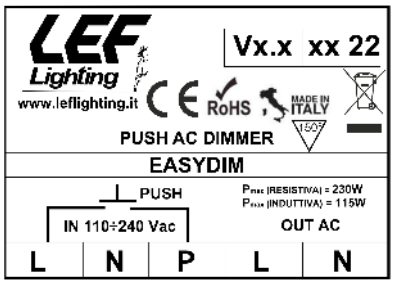
Technical Features

Input voltage range 110-240Vac
Input frequency 50÷60Hz
Single channel dimmer with Phase-cut output (MOSFET)
Dimming control through:
- push-button (PUSH 230Vac)
Manageable power (see table)
«LEVEL MEMORY» function (non-excludable)
«STATUS MEMORY» function (at 0%, light OFF after black-out)
Calibration of the minimum brightness by push-button
Setting the dimming curve
(linear or logarithmic) via push-button
Factory setting: logarithmic curve
Open circuit Protection (OCP)
Overload protection (OLP)
Protection against overtemperature (OTP)
Overvolatge protection (OVP)
Short circuit protection (SCP)
Operating ambient temperature Ta -20°C ÷ +50°C



DIM PUSH 230Vac | **MOSFET**

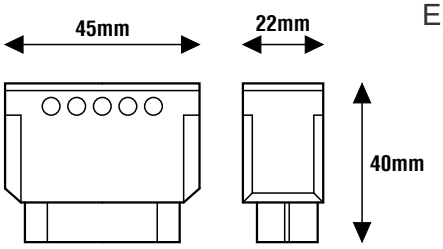
Dimmerazione a Taglio di Fase discendente (a fine fase) MOSFET Trailing-Edge
Descending Phase Cutting dimming (at the end of the phase) MOSFET Trailing-Edge

CODICE CODE	**Comando** Command	**RESISTIVO** RESISTIVE **Lampade ad incandescenza o alogene** Incandescent or halogen lamps 230Vac	**INDUTTIVO** INDUCTIVE **Trasformatore lamellare e toroidale** Laminated and 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 fluorescenti compatte dimmerabili CFL** Dimmable compact fluorescent lamps CFL 230Vac	**Lampade LED dimmerabili** Dimmable LED lamps 230Vac	**Moduli LED dimmerabili** Dimmable LED modules Seoul ACRICH 230Vac	**Strip LED dimmerabili** Dimmable Strip LED *See note 230Vac	**Peso** Weight **(g)**
EASYDIM	**PUSH**	230W	-	115W	115W	115W	115W	115W	230W	230W	30

In case of using the product with 110Vac voltage the power in the table should be reduced by 50%

General Characteristics

Plastic case with connection
Control push
Protection degree IP20
4/5 wires system



Reference Standards
EN 55015
EN 61000-3-2
EN 61000-3-3
EN 61347-1
EN 61347-2-13
EN 61547
EN 62384

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.

***The phase cut dimming (regardless of the type of dimmer) of the 230Vac LED strips (due to the very small type of electronics present on the LED strip) could have a flickering of the light at low brightness levels.**

ATTENTION: Distance of the LEDALITF from the lamp max 10 meters.
For longer distances or other types of alternative connections, contact LEF LIGHTING Technical Office.

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

22 PAP

IP20 | ta MAX 50°C | 230 WATT | AC 230V

MADE IN ITALY

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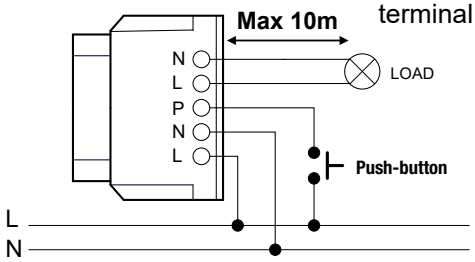
EASYDIM
Wiring diagram

5 WIRES SYSTEM

FIG.1



The dimmer must be connected according to the diagram shown in FIG. 1.
In particular:
- connect the power supply to the input terminals (IN) L (PHASE) and N (NEUTRAL),
- connect the load between the output terminals (OUT AC) L (PHASE) and N (NEUTRAL),
- connect a normally open (NO) button between L (PHASE) and the terminal P (PUSH).

PUSH Interface Operation

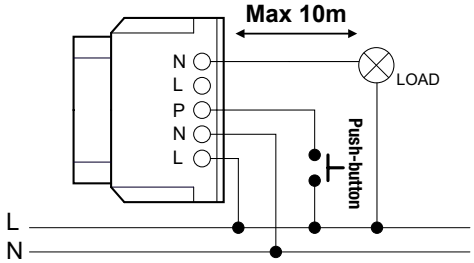
***Single Click* (quick pressure (<1sec))**
- Turns on or off the output (ON/OFF)

Double Click (*quick pressure *(<1sec))
- Sets the maximum brightness (output=100%)

Long Press (long press (>1sec))
-If the dimmer is in OFF state, sets the output to the minimum value (default=1%).
-If the dimmer is in ON state, the long press allows the output dimming (increase/decrease).

5 WIRES SYSTEM

FIG.2



The dimmer must be connected according to the diagram shown in FIG. 2.
In particular:
- connect the power supply to the input terminals (IN) L (PHASE) and N (NEUTRAL),
- connect the load between the output terminal (OUT AC) N (NEUTRAL) and L (PHASE of the electrical system),
- connect a normally open (NO) button between L (PHASE) and the terminal P (PUSH).

P.N.: IN THIS CONFIGURATION, THE LOAD IS NOT PROTECTED BY THE INTERNAL FUSE

EASYDIM OR EASYDIMBT CONNECTION DIAGRAM WITH MONOSTABLE RELAY

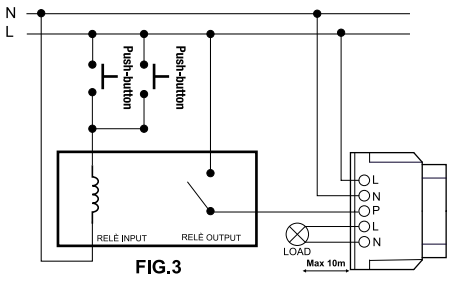


FIG.3

In the event that malfunctions are found regarding false positives or negatives on the BUTTON (due to very long cables or disturbances on the system),it is recommended to install a monostable relay connected locally to the dimmer (FIG. 3).

For correct operation it is important to keep the connection cable between the BUTTON and the DIMMER as short as possible.

CALIBRATION OF MINIMUM BRIGHTNESS LEVEL AND DIMMING CURVE CHANGE

Some mains voltage LED loads require the minimum brightness level to be calibrated to avoid flickering.
It is possible to calibrate the minimum brightness level and the dimming curve through a menu accessible via repeated presses of the push button.

Setting the minimum brightness level

To enter the **minimum setup** menu it is necessary to quickly press the push button 10 times within 3 seconds.
The load connected to the dimmer will confirm entry into the menu with 4 flashes.
In this menu it is possible, by single pressing of the push button, to choose the minimum brightness level, each press will change the level.
Once you have found the desired minimum brightness level, a long press of the push button will restart the dimmer and set the minimum level.

Setting dimming curve (Factory setting: logarithmic curve)

Pressing it quickly 15 times within 4 seconds takes you to the dimming curve change menu.
In this menu the load simulates the trend of the **dimming curve.**
By quickly pressing the button in this menu, the two dimming curves will be displayed (linear or logarithmic).
Prolonged pressure on the button will restart the dimmer with the curve set.

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