LEF Lighting

INSTRUCTIONS
Code: EASYDIM / EASYDIMBT

Universal dimmer switch for dimmable LED lamps at mains voltage.
Controlled by push-button and bluetooth (LEF Lighting APP).
4 or 5 wires system.

With this device is possible to regulate all dimmable LED lamps at mains voltage.

Single channel dimmer with phase-cut Trailing Edge (IGBT) output.

Dimming control through:

-Push-button (PUSH)

-Bluetooth signal (LEF Lighting APP) (EASYDIMBT)

With "LEVEL MEMORY" function (always active) and "STATE MEMORY" (0%) (light off after power cuts).

Minimum brightness calibration through push-button (on electronic circuit).

Plastic case with connection.

Protection degree IP20.

CODICE CODE	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 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 per LED Dimmable electronic driver with CC 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	DIMENSIONI DIMENSIONS
EASYDIM	**PUSH**	230W	-	-	115W	115W	115W	115W	115W	230W	45 L x 40 P x 22 H (mm)
EASYDIMBT	**PUSH-BLUETOOTH**										

LEF Lighting APP

The features implemented are:

-Switching on,

-Switching off,

-Brightness level control for each light point,

-Minimum brightness calibration.

 Other functions:

-Grouping and controlling of multiple light points with a simple commar

-Definition and restoration of favourite light scenarios,

-System management from a single simplified user interface.

Android   IOS

LEF Lighting APP operation

(*Depending on the device, only some functions may be available)

Management of 1 or 4 channels dimmer having different operation modes:

- Single channel
- 4 synchronized channels
- RGB (4 Channels or 4 areas)
- Dynamic White

To install the app on an Apple or Android device:

Get a shot of the intended QRcode in order

to be automatically redirected to the LEF

TECHNICAL FEATURES
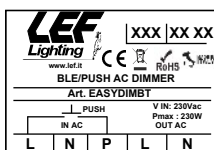
Input voltage range: 110-240Vac

Input frequency: 50Hz

Protection against overtemperature (OTP)

Overload protection (OLP)

Short circuit protection (SCP)

Open circuit protection (OCP)

Operating ambient temperature: Ta -20°C ÷ 50 °C

LEF Lighting ┃ XXX┃XX XX ┃ CE RoHS
BLE/PUSH AC DIMMER
Art. EASYDIMBT
┃ PUSH   V IN: 230Vac
IN AC   Pmax : 230W
OUT AC
L N P L N

The product installation must be carried out by qualified personnel.

If the device is used for purposes other than the original ones or is connected in a wrong way, LEF LIGHTING S.R.L. does not assume any responsibility for any damage

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

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PRODUCT TO BE DISPOSED DIFFERENTLY FROM URBAN WASTE

AEE Identification nr.IT18040000010321

EASYDIM   *EASYDIMBT*   *Tablet Smartphone*   *Bluetooth*

Use QRcode to download instruction sheet on your smartphone/tablet.

AC 230V

MADE IN ITALY

USER GUIDE
Code: EASYDIM / EASYDIMBT

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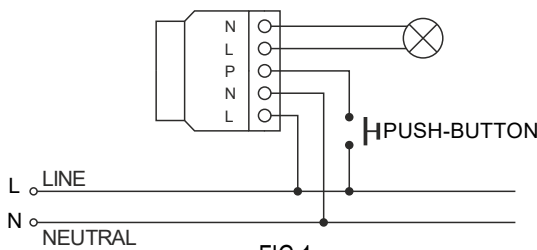
WIRING DIAGRAM

5 WIRES SYSTEM

FIG.1

N.B. IN CASE OF USING THE PRODUCT WITH 110Vac VOLTAGE, THE POWER SHOULD BE REDUCED BY 50% (SEE THE TABLE IN THE PREVIOUS PAGE).

The dimmer must be connected according to the diagram shown in FIG.1.
In particular:
-connect the power supply to Input clamps L (LINE) and N (NEUTRAL),
-connect the load between Output clamps L and N,
-connect a normally open (NO) push-button between LINE and clamp P.

PUSH MODALITY

Once connected a normally open (NO) push-button as in FIG. 1 , it is possible to dimmer the load (incandescent lamps and/or dimmablle LED lamps with phase-cut output) according to the following modes:

- ***Single Click*** (quick pressure (<1sec)) Turns on or off the output (ON/OFF);
- ***Double Click*** (quick pressure (<1sec)) Sets maximum brightness (output=100%);
- ***Long Press*** (long pressure (>1sec))
  -If the dimmer is in OFF state, the long pressure brings the output to minimum;
  -If the dimmer is in ON state, the long pressure allows to dimmer the output (increase/decrease).
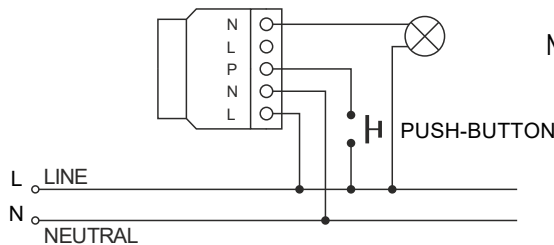
WIRING DIAGRAM

4 WIRES SYSTEM

FIG.2

The dimmer must be connected according to the diagram shown in FIG.2.
In particular:
-connect the power supply to Input clamps L (LINE) and N (NEUTRAL),
-connect the load between Output clamp N and L I N E ,
-connect a normally open (NO) push-button between LINE and clamp P.

N.B. IN THIS CONFIGURATION, THE LOAD IS NOT PROTECTED BY THE INTERNAL FUSE OF THE DIMMER

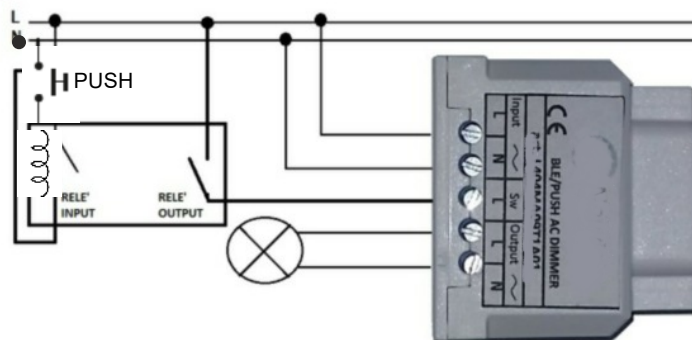### WIRING DIAGRAM EASYDIM OR EASYDIMBT WITH RELAY

FIG.3

N.B. TO ENSURE DIMMER CORRECT OPERATION, IT IS IMPORTANT TO KEEP THE CONNECTING CABLE BETWEEN PUSH-BUTTON AND DIMMER AS SHORT AS POSSIBLE.

IN CASE OF MALFUNCTIONS RELATED TO "FALSE POSITIVE" OR "FALSE NEGATIVE" SIGNALS ON THE PUSH-BUTTON, IN PARTICULAR BY USE OF VERY LONG CABLES BETWEEN PUSH-BUTTON AND DIMMER OR NOISE SYSTEMS, IT IS RECOMMENDED TO INSTALL A MONOSTABLE RELAY NEXT TO THE DIMMER(SEE FIG.3).

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