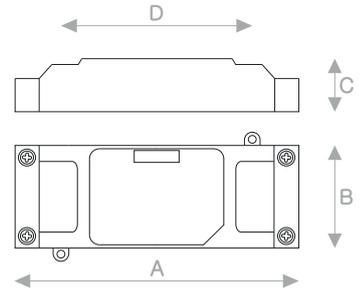


# INSTRUCTIONS

## Code: LEPUSHPWM / LEPUSHPWMB

### PWM SIGNAL GENERATORS

Device for the control of drivers with PWM signal input for dimming.  
 Brightness adjustment through:  
 -push-button (PUSH),  
 -Bluetooth signal (LEF Lighting APP) (LEPUSHPWMB).  
 This device integrates a relay for disconnecting the driver primary (max 1150W).  
 "ZERO CROSSING" function.  
 Device for independent mounting.  
 Electrical class protection II.  
 Protection degree IP20.  
 Plastic case.



CODICE CODE	TENSIONE DI INGRESSO INPUT VOLTAGE (Vac)	FREQUENZA DI RETE INPUT FREQUENCY (Hz)	POTENZA DI DISTACCO DISCONNECTING POWER (W)		COMANDO COMMAND	CORRENTE DI USCITA OUTPUT CURRENT MAX (mA)	PESO WEIGHT (g)	DIMENSIONI DIMENSIONS (mm)			
			@110V	@230V				A	B	C	D
LEPUSHPWM	110-240	50	550	1150	PUSH	20	50	100	40	26	67
LEPUSHPWMB					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 command,
- Definition and restoration of favourite light scenarios,
- System management from a single simplified user interface.



#### 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 Lighting APP product sheet.

Android



IOS



#### TECHNICAL FEATURES

Voltage range input: 110-240Vac

Input frequency: 50Hz

Maximum current: 20mA

Max number of dimmable electronic drivers: 10

Reversed polarity protection (RPP)

Open circuit protection (OCP)

Overvoltages protection (OVP)

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

Weight: 44g

#### ATTENTION:

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



LEPUSHPWM

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

#### Reference Standards

- EN 55015
- EN 61000-3-2
- EN 61000-3-3
- EN 61347-1
- EN 61347-2-13
- EN 61547
- EN 62493



PRODUCT TO BE DISPOSED DIFFERENTLY FROM URBAN WASTE



MADE IN ITALY

LEF LIGHTING S.R.L.

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# INSTRUCTIONS

## Code: LEPUSHPWM / LEPUSHPWMB

### PWM SIGNAL GENERATORS

#### PUSH OPERATION (LEPUSHPWM/LEPUSHPWMB)

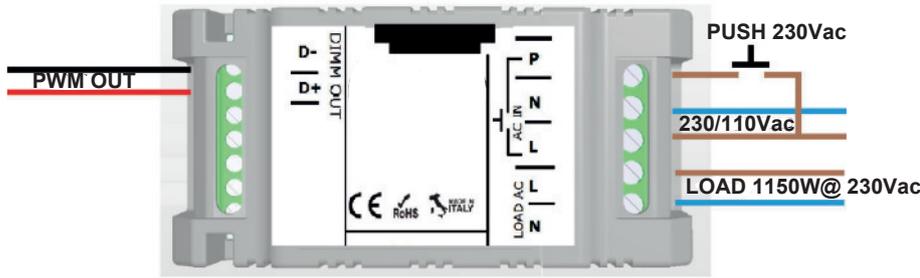


Fig.1

The device can be controlled with a PUSH-button .  
Fig.1 shows the electrical connections necessary to operating the device.

#### PUSH Operating Mode

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 pressure (>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 pressure allows output dimming (increase/decrease).

#### CONNECTION DIAGRAM WITH ELECTRONIC DRIVER (LEPUSHPWM/LEPUSHPWMB)

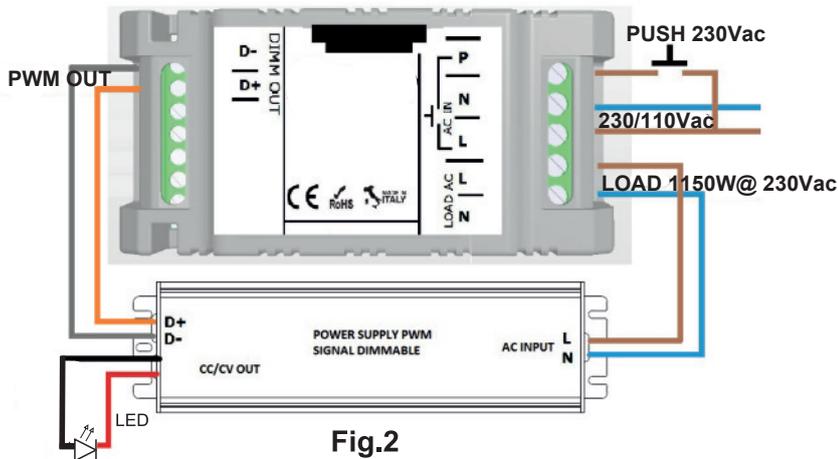


Fig.2

Connect the dimmable electronic driver inputs (primary) to the dimmer LOAD terminals and connect the inputs D+ and D- to the dimmer considering the polarities (see Fig.2).

#### BLUETOOTH + PUSH MODALITY (LEPUSHPWMB)

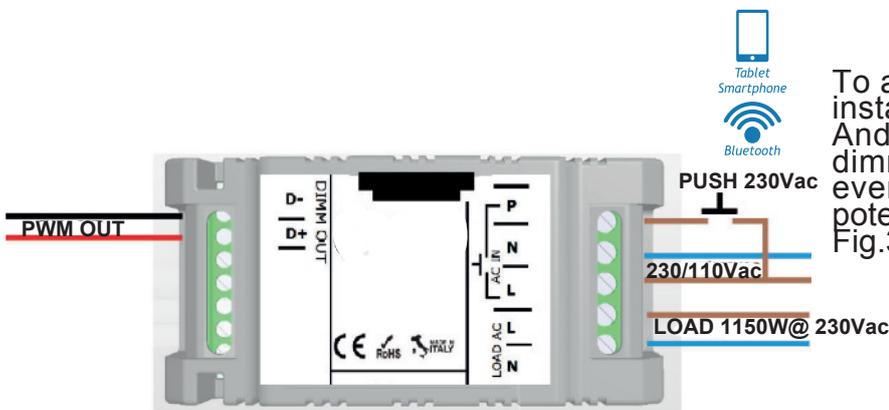


Fig.3

To activate such modality, it is required to install the LEF Lighting App on the Android or iOS device selected for dimmer control and to disconnect eventual 0-10V (1-10V) signals or potentiometer connected to dimmer (see Fig.3).

**BEWARE: THE DEVICE FUNCTIONS AT MAINS VOLTAGE, IT IS RECOMMENDED TO WARN TO SAFETY INDICATIONS DURING INSTALLATION.**

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