

USER GUIDE

LEDALITF45DIN, LEDALITF90DIN

Universal dimmers controlled by push-button and DALI signal control



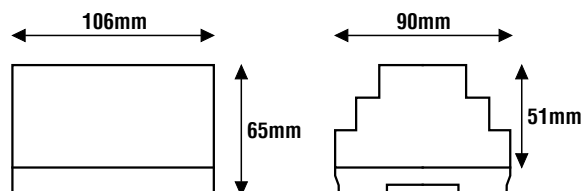
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General Characteristics

DIN rail plastic case (6 modules)
 Electric class protection II
 Protection from direct contacts is guaranteed by the enclosure.
 Protection degree IP20
 5 wires system

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.



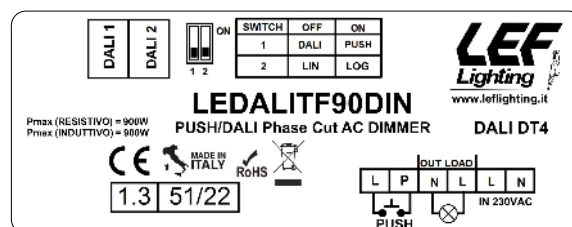
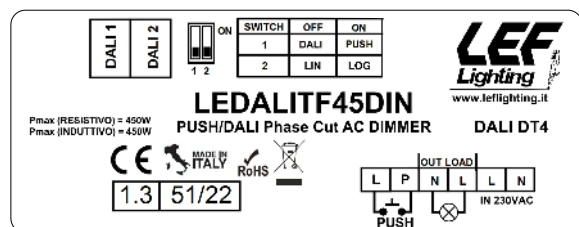
Dimmerazione a Taglio di Fase discendente (a fine fase) MOSFET Trailing-Edge

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 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 *Vedi nota 230Vac	Peso Weight (g)
LEDALITF45DIN	PUSH DALI	450W	-	-	450W	450W	450W	450W	450W	330
LEDALITF90DIN		900W	-	-	900W	900W	900W	900W	900W	380

*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.

DALI DT4	DIM DALI	DIM PUSH 230Vac	MOSFET
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Technical Features

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

Reference Standards

- EN 55015
- EN 61000-3-2
- EN 61000-3-3
- EN 61347-1
- EN 61347-2-13
- EN 61547
- EN 62384
- EN 62386-205



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



MADE IN ITALY

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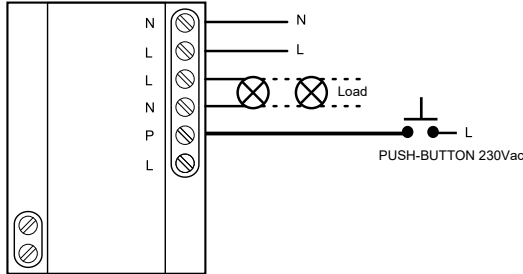
LEDALITF45DIN, LEDALITF90DIN

Wiring diagrams

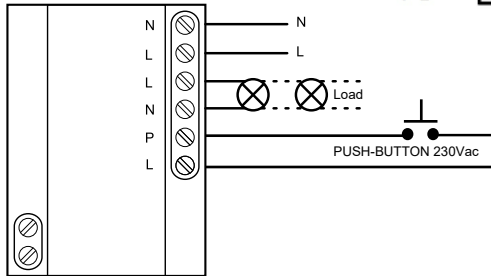


PUSH mode (PUSH 230Vac)

Wiring diagram n.1



Wiring diagram n.2



ON	SWITCH	OFF	ON
1	DALI	PUSH	
2	LIN	LOG	

Disconnect the mains voltage and set dip-switch 1 to ON.

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).

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

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.

Setting the minimum brightness level

Some mains voltage LED loads require calibration of the minimum brightness level to avoid flicker light effects (flickering).

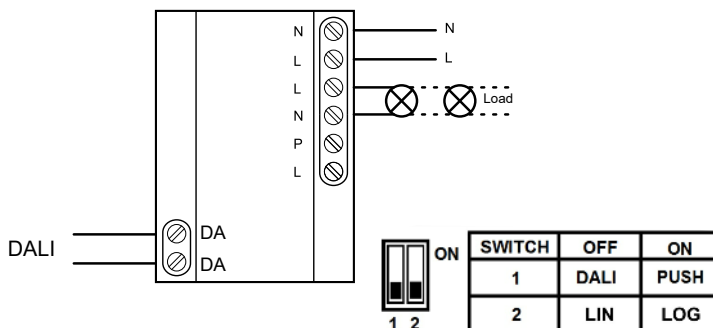
To enter the idle setup menu it is necessary to quickly press the control button 10 times in 5/10 seconds.

The load connected to the dimmer will confirm entry into the setup menu with 4 flashes.

Within this menu it is possible to choose the brightness level by single pressing of the control button (7 steps) Minimum (factory setting: step 5). Each press will change the level.

Once you have found your chosen brightness level, press prolonged will lead to the restart of the dimmer and the setting of the minimum level.

DALI mode



Disconnect the mains voltage and set dip-switch 1 to OFF.

If disconnected from the DALI bus, the dimmer switches to the "POWER ON LEVEL" status set via the DALI bus (default: 100%)

The maximum current absorbed by the DALI bus is approximately 2mA.

ON	SWITCH	OFF	ON
1	DALI	PUSH	
2	LIN	LOG	

Setting the dimming curve (Factory setting: logarithmic curve)

To set the dimming curve, disconnect the mains voltage and set dip-switch number 2 as follows:

- SW 2 OFF → LINEAR CURVE
- SW 2 ON → LOGARITHMIC CURVE (factory setting)

ON	SWITCH	OFF	ON
1	DALI	PUSH	
2	LIN	LOG	