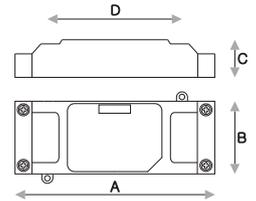
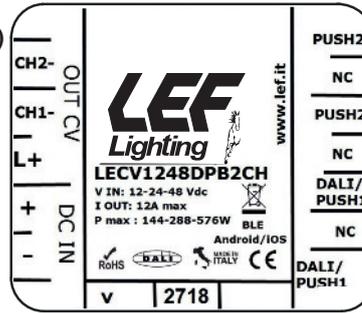


INSTRUCTIONS LECV1248DPB2CH - LECV1248PB2CH - LECV1248D2CH

DIMMING INTERFACE 2 CHANNELS FOR VOLTAGE LED MODULES 12-24-48 VDC

Brightness regulator for LED modules 12-24-48Vdc.
Output channels: 2 (to manage dynamic white or 2 different channels)
Brightness adjustment through function:
-push-button (PUSH) (2CH),
-DALI signal (2CH) (LECV1248D2CH),
- Bluetooth signal (LEF Lighting APP) (LECV1248DPB2CH and LECV1248PB2CH).
With "LEVEL MEMORY" function and "STATUS MEMORY function".
SLAVE function through LECV1248REP product.
Plastic case.
Driver for independent mounting.
Electric class protection II.
Protection degree IP20.



| CODICE CODE | TENSIONE DI INGRESSO INPUT VOLTAGE (Vdc) | TENSIONE DI USCITA OUTPUT VOLTAGE (Vdc) | CORRENTE DI USCITA PER CANALE OUTPUT POWER BY CHANNEL (A) | | POTENZA DI USCITA PER CANALE OUTPUT POWER BY CHANNEL (W) | | | COMANDO COMMAND | CC CV | PESO WEIGHT (g) | DIMENSIONI DIMENSIONS (mm) | | | |
|----------------|--|---|---|------|--|--------|--------|----------------------------------|-------|-----------------|----------------------------|----|----|----|
| | | | CH 1 | CH 2 | @12Vdc | @24Vdc | @48Vdc | | | | A | B | C | D |
| LECV1248DPB2CH | 12-24-48 | 12-24-48 | 6 | 6 | 72 | 144 | 288 | PUSH (2CH) dynamic white | CV | 50 | 100 | 40 | 26 | 67 |
| LECV1248PB2CH | | | | | | | | PUSH (2CH) two separate channels | | | | | | |
| LECV1248D2CH | | | | | | | | DALI two separate channels | | | | | | |

POWER SUPPLY AND CONNECTION TO LED MODULE

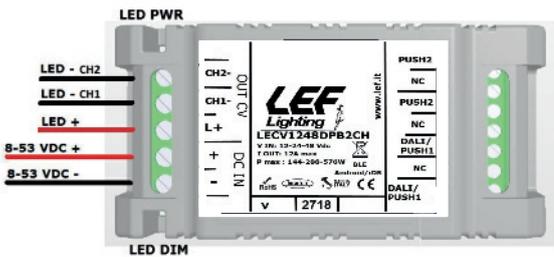


Fig.1

- The dimmer LECV1248XXX2CH must be supplied according to the polarity shown in Fig.1 through terminals DC IN (+ and -).
- If the power supply polarity is reversed, the device is not damaged (protection against reversed polarity RPP).
- The LED (LED PWR) on the board indicates the presence of power supply.
- The LED (LED DIM) indicates the output dimming state.
- The LED connection must be completed using the terminals OUT (L+ and CH1- and CH2-).



LEF Lighting APP

The features implemented are: switching on, switching off and brightness level control for each light point.
Possibility to group and control 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 functionality (*depending on the device, only some functions may be available).

Management of 1-channel or 4-channels dimmers with different operating modes:

- Single channel,
- 4 synchronized channels,
- RGB (3 Channels or 3 zones),
- RGB + White (4 Channels or 4 zones),
- Dynamic White.

Android



iOS



- To install the APP on your Apple or Android device, frame the desired QRCode to be automatically redirected to LEF Lighting APP product sheet.

BLUETOOTH + PUSH OPERATING MODE

- To activate this control / operation mode it is necessary to:
- Install the LEF Lighting APP on the Android or IOS device that you want to use for the dimming interface control.
 - The PUSH and BLUETOOTH commands can be used at the same time.



Download the instruction sheet on your Smartphone / Tablet

Technical Features

- Input voltage range 12-24-48Vdc
- Output voltage range 12-24-48Vdc
- Protection against reversed polarity (RPP)
- Open circuit protection (OCP)
- Overvoltage protection (OVP)
- Overtemperature protection (OTP)
- Operating ambient temperature Ta -20°C ÷ +50°C



PRODUCT TO BE DISPOSED DIFFERENTLY FROM URBAN WASTE

AEE Identification nr.IT1804000010321



Reference Standards:

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

MADE IN ITALY

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INSTRUCTIONS

LECV1248DPB2CH - LECV1248PB2CH - LECV1248D2CH

DIMMING INTERFACE 2 CHANNELS FOR VOLTAGE LED MODULES 12-24-48 VDC

DYNAMIC WHITE PUSH + BLUETOOTH CONNECTION

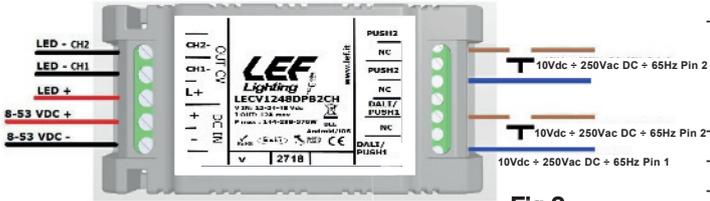


Fig.2

PUSH 2 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).

- To activate this operation mode, it is required to connect between the 2 inputs DALI/PUSH1 and between the 2 inputs PUSH2 a DC/AC voltage signal (voltage range DC: 10÷265V, AC: 12÷265Vac 50÷65Hz) interrupted by a normally open (N.O.) push-button.
- Input signal doesn't require polarization.
- The maximum current absorbed by PUSH interface is about 2mA.
- PUSH1 input controls color temperature.
- PUSH2 input controls light intensity.
- The dimmer saves the output status so as to restore the level set in case of power failure (preset).

PUSH 1 Interface Operation

Long Press (long press (>1sec))

- Color temperature change

(For example Warm White Light → Cold White Light and Cold White Light → Warm White Light)

2 DIFFERENT CHANNELS - PUSH + BLUETOOTH CONNECTION

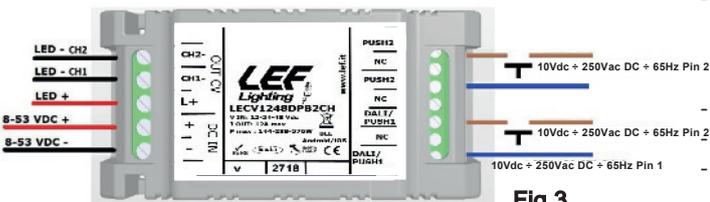


Fig.3

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).

- To activate this operation mode, it is required to connect between the 2 inputs DALI/PUSH1 and between the 2 inputs PUSH2 a DC/AC voltage signal (voltage range DC: 10÷265V, AC: 12÷265Vac 50÷65Hz) interrupted by a normally open (N.O.) push-button.
- Input signal doesn't require polarization.
- The maximum current absorbed by PUSH interface is about 2mA.
- The dimmer saves the output status so as to restore the level set in case of power failure (preset).

2 CHANNELS - DALI CONNECTION

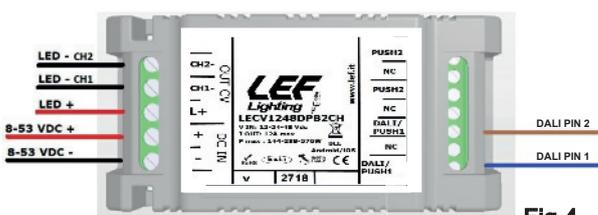


Fig.4

ATTENTION: IN THIS OPERATING MODE THE BLE (Bluetooth) CONTROL IS INHIBITED !

- To activate this operating mode, it is required to connect the DALI bus between the 2 inputs DALI/PUSH1.
- The dimmer, at the first reception of a properly formatted DALI signal, is configured in DALI mode.
- Once configured in DALI mode and disconnected from the DALI bus, the dimmer switches to POWER ON LEVEL status set via the DALI bus.
- The maximum current absorbed by DALI interface is about 2mA.
- The device is detected by the DALI bus as 2 independent devices: acting on each of them, you can set the brightness levels of the two output channels.

PUSH-BUTTON (PUSH) + BLUETOOTH 2 DIFFERENT CHANNELS (WIRING DIAGRAM)

