

Technical notes

Mono channel Dimmers with Output Tension PWM.

Input Range: 24Vdc

Output Tension PWM 24Vdc with current from 0A to 5A (120W).

Input Controls: Potentiometer 100K x1, 0-10V Passive x1, 1-10V Passive x1.

Output Sync: PWM x1.

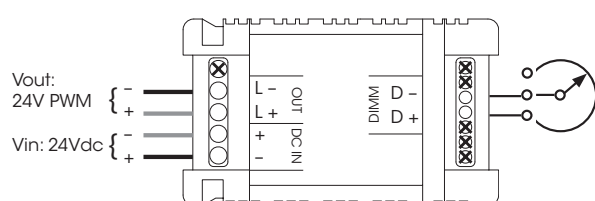
Standard Dimension 40x80x24.45 mm.

Reverse polarity protection.

Open circuit protection.

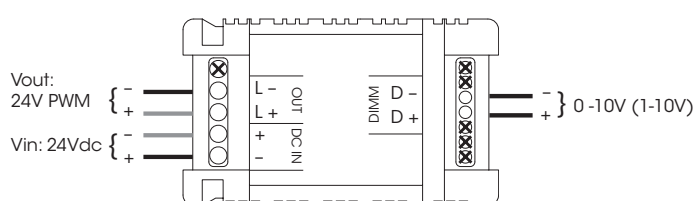
Surge voltage protection.

Over temperature protection.

LINEAR POTENTIOMETER MODE 100KOHM

In order to activate this mode of control/operation just connect a linear potentiometer of 100 Kohm between the D+ and D- inputs and disconnect the remaining inputs. By default, the dimming curve follows a logarithmic trend proportional to the resistance value set by the potentiometer. A resistance value of less than 5 Kohm is interpreted as load off. The maximum brightness value is reached by exceeding the value of 95 Kohm.

In case the potentiometer is disconnected, the dimmer sets the output to the saved level (see preset level change). The preset value is zero by default. On the first run in this mode it could be necessary to set the input to a value greater than 50% (55K or higher on DD+ input) in order to configure the dimmer to the potentiometer mode.

MODE 0-10V/1-10V PASSIVE

In order to activate this mode of control/operation just connect the active control signal of 0-10V/1-10V between the D+ and D- inputs (being careful to observe the correct polarity) and disconnect the remaining control signals. The maximum current absorbed by 0-10V dimmer interface is 0,1 mA. By default, the dimming curve follows a logarithmic trend proportional to the control voltage. A voltage value of less than 1V is interpreted as load off. In case the 0-10V/1-10V signal is disconnected, the dimmer sets the output to the saved level (see preset level change). The preset value is zero by default. On the first run in this mode it could be necessary to set the input to a value greater than 50% (5V or higher on DD+ input) in order to configure the dimmer to the 0-10V/1-10V mode.

