

CIB – flush mounted dimming unit

Type	DI	DO	AI	AO	Comm
LM2-11B	1 (230 V AC)		1	1 (230 V AC)	CIB

Basic features

- 1-channel dimming unit is designated for dimming and switching RLC loads.
- The unit supports an autodetection of load type.
- It is equipped with 1 input 230 V AC and 1 semiconductor switched output 230 V AC.
- Maximum output power is 250 VA.
- It is equipped with reversible electronic fuse.
- The unit allows to measure the temperature using an external NTC thermistor connected to THERM input.
- The unit status is indicated by LED.

Connection

- The unit is connected by two wires of CIB, which provide both the power supply and communication channel.

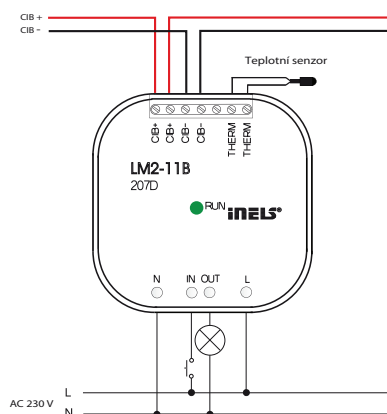
Usage

- Dimming and switching of resistive, inductive or capacitive loads.
- It is used for creating of lighting scenes and transitions using continuous dimming and switching on.
- The unit seems to be an analog output for the CPU. The intensity of light and speed of building-up or slowing down.
- Inputs THERM allow to place an external temperature sensor to the space on requested place.



LM2-11B

Connection example



Binary input	1x (IN)
Input type	230 V AC

Analog input	1x (THERM)
Sensor type	NTC thermistor
Range	-20 ÷ 100°C
Accuracy	0.8 °C

Analog output	
Output type	1x 230 V AC, 0–100 % switched semiconductor
Load type	Resistive (bulb, halogen bulb 230 V), inductive (classic transformer for halogens) capacitive (electronic transformer for halogens)
Minimum switched output	10 VA
Maximum switched output	250 VA
Protection	Internal electronic reversible fuse
Galvanic isolation of output	yes
Isolation voltage between output and internal circuits	SELV according to EN 60950

Power supply	
Power supply and communication	24 V (27 V) from CIB bus
Rated current	25 mA

Dimensions and weight	
Dimensions	49 × 49 × 21 mm
Weight	45 g

Operating conditions	
Operating temperature	-20 ÷ +55 °C
Storage temperature	-30 ÷ +70 °C
Electric strength	according EN 60950
IP Degree of protection IEC EN 60529	IP30
Overvoltage category	III
Degree of pollution IEC EN 61131-2	2
Working position	any
Installation	Into electrical installation box
Connections	Screw terminals
Conductors cross-section	max. 1 mm ²
Power input/output	4x wire 0.5 mm ²

Teco a.s. supplies units under the name INELS

Order number

LM2-11B LM2-11B, CIB, Dimming module, 1x 250 VA, external temperature sensor