

CIB – DIN rail mounted 2-channel dimming unit

Type	DI	DO	AI	AO	Comm
DA2-22M	2 (230 V AC)			2 (230 V AC)	CIB

Basic features

- 2-channel dimming unit is designated for dimming and switching RLC loads.
- The unit supports an autodetection of load type. Jednotka podporuje autodekci typu zátěže.
- It is equipped with 2 inputs 230 V AC and 2 semiconductor outputs 230 V AC.
- Maximum output power is 500 VA per output/channel.
- Both channels can be controlled by buttons in case that the unit is not connected to CIB.
- The unit allows to measure the temperature using an external NTC thermistor connected to THERM input.
- The channel status (switched on/off) and unit status (run/error) are indicated by LED.

Connection

- The unit is connected by two wires of CIB, which provide both the power supply and communication channel.
- The potential L must be protected by external protection element according to the load type.

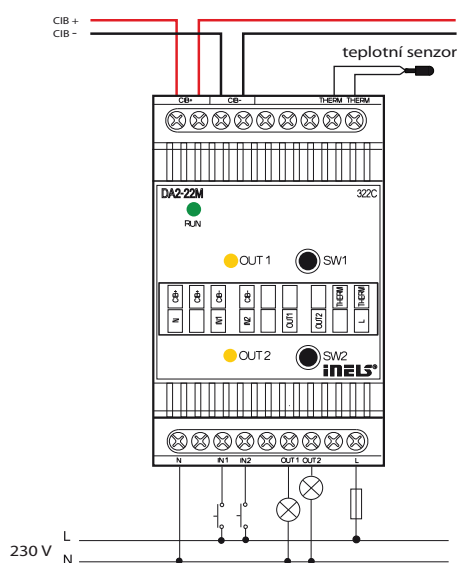
Usage

- 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 designer to place an external temperature sensor to the space on requested place.



DA2-22M

Connection example



Binary input	2x (IN1, IN2)
Input type	2x 230 V AC

Analog input	1x (THERM)
Sensor type	NTC thermistor
Range	+15 ÷ +35 °C
Accuracy	0.3 °C

Analog output	
Output type	2x 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	2 x 500 VA
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	30 mA

Dimensions and weight	
Dimensions	90 x 52 x 65 mm
Weight	136 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	IP 20, IP40 in the covered cabinet
Overvoltage category	III
Degree of pollution IEC EN 61131-2	2
Working position	any
Installation	In the control panel at DIN rail
Connections	Screw terminals
Conductors cross-section	max. 2.5 mm ²

Teco a.s. supplies units under the name INELS

Order number

DA2-22M DA2-22M, CIB, 2 x AO for dimming/ switching 500 W per channel, 2 x DI, external temperature sensor