

IR KNX Gateway– Technical Documentation

MES-DICE-IR4 V2



Features:

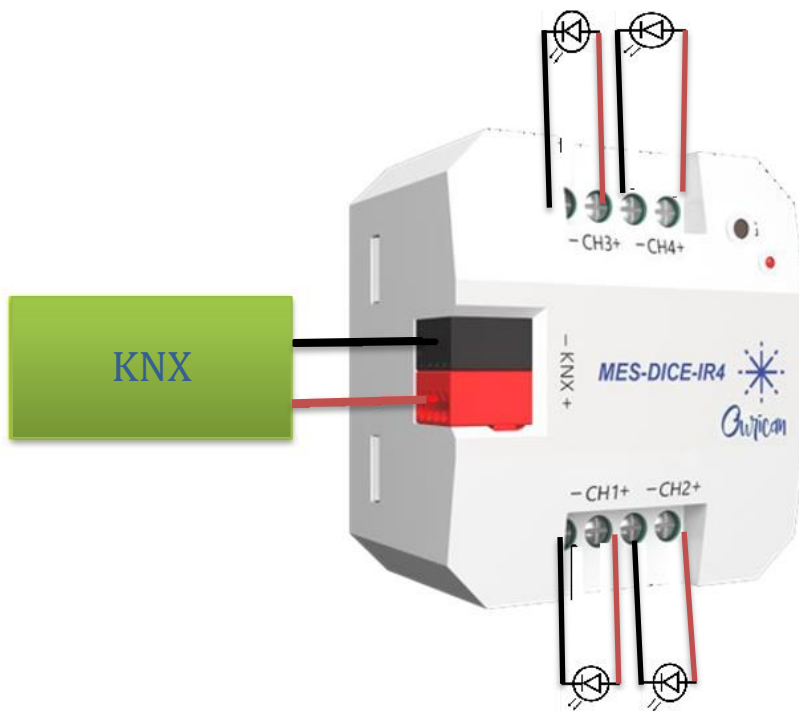
- IR emitter channels: 4 Port
- 20 macros with 10 steps each to send multiple IR codes sequentially.
- Repetitive IR code sending with delay
- Configure up to 4 AC.
- Learn up to 2 unknown AC remote.
- 16 scene functionalities for AC.
- User-friendly configuration software for learning up to 1202 IR codes for AC and up to 100 IR codes for universal.
- MES-DICE-JR-IRL (USB to IR) for Learning and testing IR codes.
- Compatible with most brands of air conditioners provided in the database.
- Led indication while sending IR command.
- Total data saving on bus failure.
- Programming button with LED indication.
- No External power Supply required.

General Product Specifications			
Type of Device		Electric control operation device	
MESBUS Supply	Voltage (typical)		29VDC SELV
	Voltage Range		21-31 VDC
	Maximum Consumption	Voltage 29VDC (typical)	mA 10
			mW 290
Bus Connection		Typical Bus Connector TP1, 0.8 mm ² section	
Operating temperature		0 – 70 °C	
Storage Temperature		-25 to + 75°C	
Ambient Humidity		5 to 95% RH (No Condensation)	
Storage Humidity		5 to 95% RH (No Condensation)	
Usage		Indoor, to be mounted inside the wall back box and fall ceiling	
IP Class		IP20	
Power Failure Response		Data saving	
Response when starting		Data recovering and other settings	
Programming Button		Yes	

Operation Indication	1 The programming LED indicates programming mode (Red). The LED turns Green while sending an IR command and turns off after the command is sent.
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Technical Specifications	
No. of Channels	4
Max IR Emitter cable length	10m
Frequency Supported for IR Codes	30 -60 KHZ
IR Transmission wavelength	940nm
IR Transmission angle	45°
IR codes per Module	300

Wiring Diagram



! SAFETY INSTRUCTIONS

- Installation should only be performed by qualified professionals according to the laws and regulations.
- Do not connect the mains voltage nor any other external voltage to any point of the MESBUS connector and Auxiliary output; it would represent a risk for the entire system. The facility must have enough insulation between the mains (or auxiliary) voltage and the MESBUS or the wires of other accessories, in case of being installed.
- Once the device is installed (in the panel or box), it must not be accessible from outside.
- Keep the device away from water and do not cover it with clothes, paper or any other material while in use.

