

IR KNX Gateway– Technical Documentation

# MES-IR4



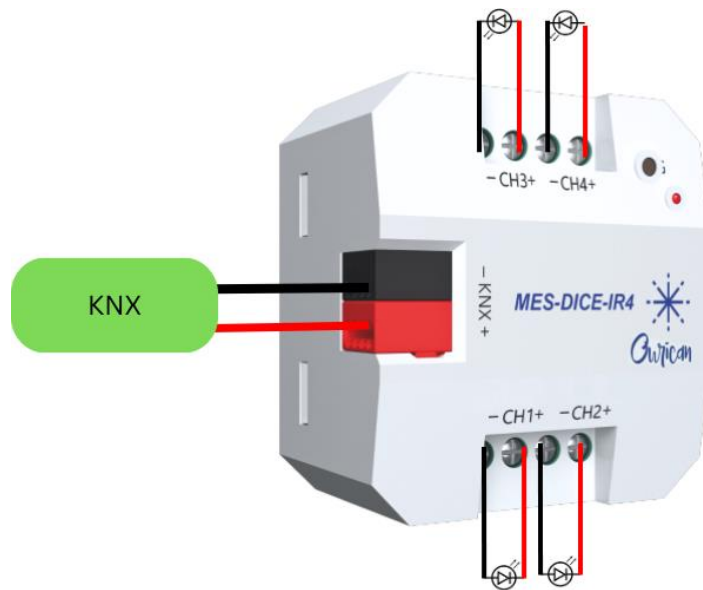
### Features:

- IR emitter channels: 4 Port
- 10 macros with 10 steps each to send multiple IR codes sequentially.
- Repetitive IR code sending with delay.
- Configure up to 1 AC.
- 10 scene functionality for AC
- User friendly configuration software for Universal up to 100 and AC up to 340 IR code learning.
- Compatible with most brands of air conditioners provided in the database.
- Led indication while sending IR command.
- No External Power supply
- Programming button with LED indication.
- Dimension: 50.5 (L) X 55.5 (H) X 34.1 (D) mm.
- CE Marking\*

General Product Specifications				
Type of Device		Electric control operation device		
MESBUS Supply	Voltage (typical)		29VDC	
	Voltage Range		SELV 21-31 VDC	
	Maximum Consumption	Voltage	mA	mW
		29VDC (typical)	10	290
Bus Connection		Typical Bus Connector TP1, 0.8 mm <sup>2</sup> 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		IP 20		
Power Failure Response		Data saving		
Operation Indication		1 Programming LED indicates programming mode (Red). Led indication while sending IR command.		

Technical Specifications	
No. of Channels	4 Channel
Max IR Emitter cable length	Normal 3 meters and can be extended to 10 meters (via shielded CAT5/6 Cable)
Frequency Supported for IR Codes	30-45KHz
IR Transmission wavelength	940nm
IR Transmission angle	40°

### 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.

