

# 'INTERRA

— Developer of Uniqueness —

**Mitsubishi Heavy**  
**AC / KNX Gateway**  
**ITR830-0004**



 **MITSUBISHI**  
HEAVY INDUSTRIES, LTD.



# INTERRA – Developer of Uniqueness

In recent years, with the huge growth rates, Interra has been managed to be one of the most popular KNX based home automation brands globally. In 2020, Interra started its first attempt of integrating air conditioning units into the KNX systems and creating bi-directional communication between them to increase the energy efficiency and capabilities of smart buildings. With the support of The Scientific and Technological Research Council of Turkey and the collaboration with air conditioning manufacturers to ensure to keep the right compatibility with their AC units, Interra succeeded to create reliable KNX gateway units for major international brands.

## Unique HVAC Solutions for KNX Professionals

### Bi-directional Communication

Interra KNX / AC Gateways provide complete bi-directional integration of air conditioners with KNX bus. Get or send any information from the AC unit to control and monitor it on your KNX bus.

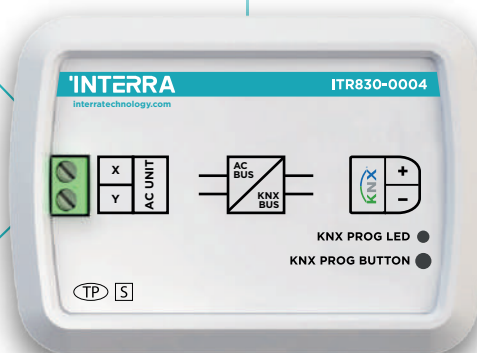


### Approved Reliability

Interra AC Gateways are developed with the collaboration of air conditioning manufacturers to ensure to keep the right compatibility with their AC units. Interra has special agreements with some air conditioning manufacturers where they are the exclusive distributors of Interra AC / KNX Gateways in their regions. Trusted By KNX Professionals

### Easy to Setup

With its minimalistic design, very easy to implement, hide and connect AC to the KNX bus.



### Energy Efficient

HVAC systems are the biggest part of the energy costs in buildings. Interra AC Gateway units provide smart scenarios and special modes for your needs to keep your energy usage at optimal levels.



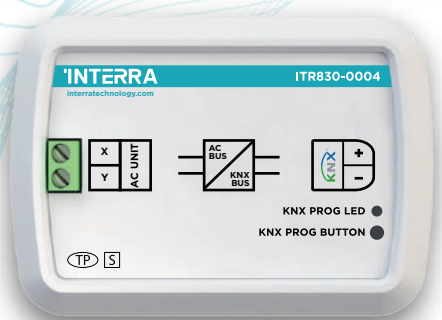
### Trusted by KNX Professionals

Interra is one of the most popular KNX brands in the world and trusted by more than 430 KNX integrators only in 2021.

### More features by KNX

- Mobile Control
- Personalized / Timer Scenarios
- Energy Consumption & Savings
- Energy Monitoring
- Air Quality Monitoring\*

# Mitsubishi Heavy AC / KNX Gateway



## ITR830-0004

ITR830-0004 is used for monitoring and controlling all the functioning parameters of Mitsubishi Heavy air conditioners with KNX. It is compatible with the RAC\* series, FD Series, KX6, and KXR6 (VRF) series types categorized at compatibility list sold by Mitsubishi Heavy Industries. For more information please check the compatibility list on our website.

## FUNCTIONS

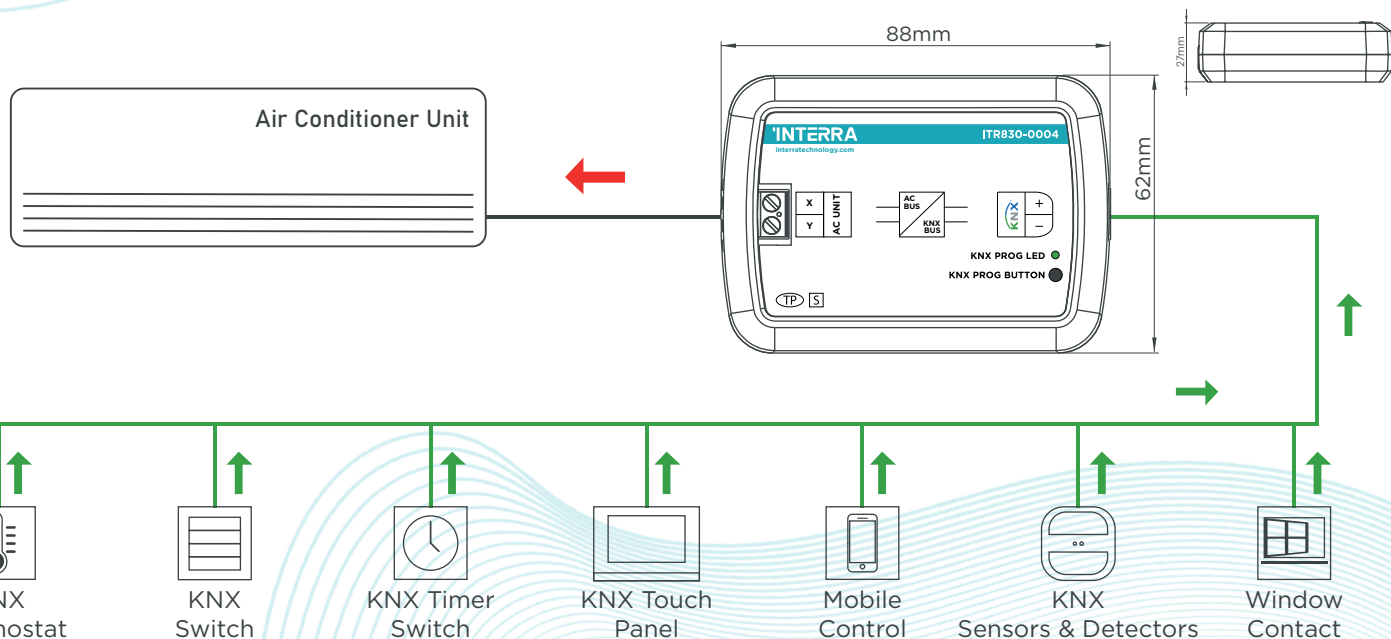
- ITR830-0004 provides complete bi-directional integration of Mitsubishi Heavy air conditioners with KNX bus.
- It includes 4 logical advanced parameters, each logical parameter has up to 4 inputs and can be configured as AND, OR & XOR.
- It includes 8 advanced converter parameters and each converter has four operations math calculations according to the input type.
- Logic and converter parameters can be used for energy savings, configurable scenes, temperature limits, etc.
- The Mitsubishi Heavy AC - KNX gateway provides error notifications for errors that may occur in exceptional cases.

### Technical Specifications

Product Code	ITR830-0004
Power Supply	KNX Power Supply
Power Consumption	5 mA
Push Buttons	1 x KNX Programming Button
LED Indicators	1 x KNX Programming LED
Type of Protection	IP 20
Cable Distance	Max 350
Mode of Commissioning	S-Mode
Maximum Air Humidity	< 90 RH
Temperature Range	Operation (-10°C...70°C) Storage (-25°C...100°C)
Colour	Light Grey
Dimensions	88 x 62 x 27 mm (W x H x D)
Certification	KNX Certified
Configuration	Configuration with ETS
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## OVERVIEW

Mitsubishi Heavy AC / KNX Gateway has a very easy installation and can be installed into the AC indoor unit or a proper location away from the air conditioner. Its one side is connected directly to the electronic circuit of the AC indoor unit and on the other side directly to the KNX bus.



**Note:** Existing commands may vary according to the indoor unit model. Please refer to relevant technical documents.

For more information visit [interratechnology.com](http://interratechnology.com)



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Easiest way to monitor and control  
the air conditioning systems.

Interra KNX / AC Gateways provided  
complete and reliable integration in  
thousands of KNX projects globally.

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