

INTERRA

— Developer of Uniqueness —

**Gree Split
AC / KNX Gateway
ITR830-0012**



 **GREE**

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.

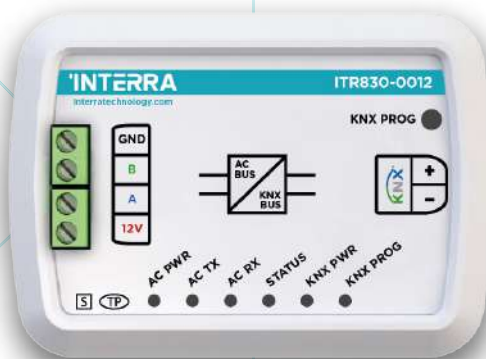


Approved Reliability

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.

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

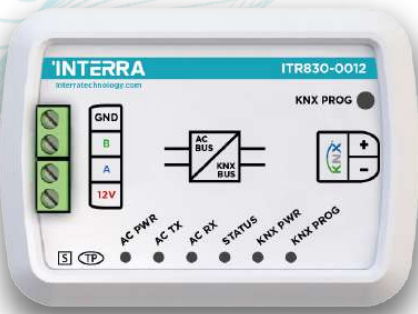
Interra is one of the most popular KNX brands in the world and trusted by more than 430 KNX integrators only in 2021.

More features by KNX

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

Gree Split AC / KNX Gateway

ITR830-0012



ITR830-0012 is an air conditioner gateway used for monitoring and controlling all the functioning parameters of Gree air conditioners via the KNX bus line.

Gree Split AC - KNX Gateway is compatible with models in split types categorized at compatibility list sold by Interra.

FUNCTIONS

- ITR830-0012 provides complete bi-directional integration of Gree Split 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.
- Includes 8 advanced converter parameters, 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 Gree AC - KNX gateway provides error notifications for errors that may occur in exceptional cases.

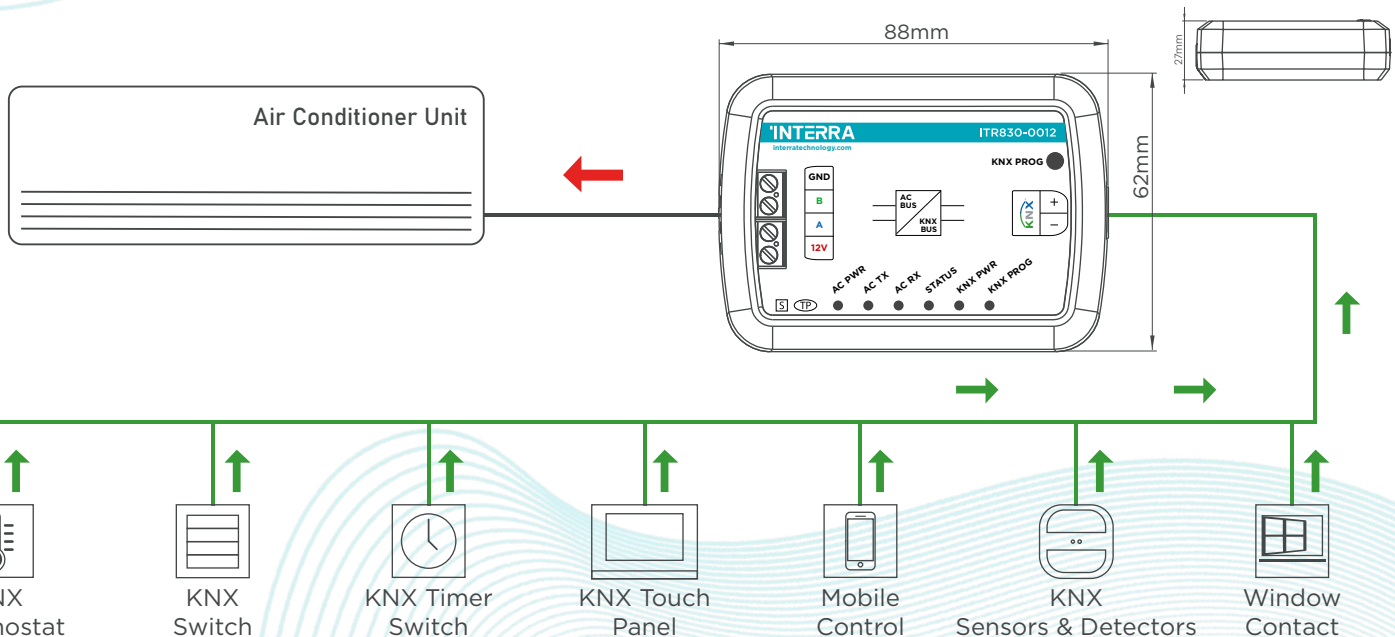
| Technical Specifications | |
|--------------------------|--|
| Product Code | ITR830-0012 |
| Power Supply | KNX Power Supply |
| Power Consumption | 7 mA |
| Push Buttons | 1 x KNX Programming Button |
| LED Indicators | 1 x KNX Programming LED |
| Type of Protection | IP 20 |
| Mode of Commissioning | 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

Gree Split AC - KNX Gateway has an easy installation feature and can be installed inside the own AC indoor unit or a proper location away from the air conditioner connects one side directly to the electronic circuit of the AC indoor unit and on the other side directly to the KNX bus.



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Cumhuriyet Mh. Kartal Cd. Interra R&D Center
Kartal / Istanbul - Turkey

T: +90 216 326 26 40
F: +90 216 324 25 03
E: info@interra.com.tr

interratechnology.com

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.

DAIKIN MITSUBISHI HEAVY INDUSTRIES MITSUBISHI ELECTRIC SAMSUNG LG TOSHIBA GREE Vaillant VIESSMANN BOSCH Midea



Ataköy Sea Pearl - Istanbul



Yedi Mavi Residence - Istanbul



The Harrington Collection - Australia



Vadi Istanbul Mall & Office & Residence



Acar Kent Villas - Istanbul



Merkez Ankara



Mesa Orman - Istanbul



Hilton Dalaman Lake Houses - Muğla



Nevbahar Üsküdar - Istanbul



Denli Lujo Villas - Tekirdağ



Çengelköy Park - Istanbul



Invictus Sunset Ilca - Izmir



Nidapark İstinye - Istanbul



Avrupa Konutları Çamlı Vadi - Istanbul



Invictus Alaçati Port - Izmir



G Beyond Residence & Villas - Bodrum



Lalila Blue Suites - Marmaris



Izmir Chamber Of Commerce



Referans Başakşehir - Istanbul



Yamanevler - Istanbul



Bahçeşehir Konakları - Istanbul



Bitez Mansions - Bodrum



Istanbul Hisar Educational Institution



Bahçeşehir Park - Istanbul