# ITR208-0005 & ITR212-0005
# ETHERNET I/O MODULE



| Device | ITR208-0005, ITR212-0005 |
|---|---|
| Power Supply | 100-250 VAC @50Hz |
| Power Consumption | 0.9 W |
| Number of Binary Inputs | ITR208-0005 -> 8 channels ITR212-0005 -> 12 channels |
| Virtual Inputs | ITR208-0005 -> 8 channels ITR212-0005 -> 12 channels |
| Number of Binary Outputs | ITR208-0005 -> 8 channels ITR212-0005 -> 12 channels |
| Contact Capacity | 16 A (Inrush current 100A) |
| Type of Protection | IP 20 |
| Temperature Range | Operation (-5°C...45°C) Storage (-20°C...70°C) |
| Maximum Air Humidity | < 90 RH |
| Flammability | Non-flammable product |
| Mounting | DIN Rail |
| Colour | Light Grey (RAL 7035) |
| Dimensions | 59.3x86x157.8mm (HxWxD)-> 9 DIN units |
| Weight | 390 gr |
| Configuration | EIO Configuration Software |

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## DESCRIPTION

The ethernet I/O module is a versatile device which allows a variety of configurations. The ethernet module is intended to cover several automation requirement in a smart building for safe and efficient operations. The ethernet I/O module has been developed for providing the desired controls in the residence and hotel sectors. The usage of this devices guarantees the efficient management and provision of rooms. The device takes its energy from the 100-250 VAC mains line and does not need an external power supply. The device can communicate with the Interra touch panels and the Interra HomeServer via ethernet connection. In addition, the desired configurations for the inputs and outputs of the device can be made from the corresponding menus via the EIO Configuration software.

## USER INTERFACE FEATURES



- After the EIO Configuration software is opened, the device can be connected to the device by entering the IP address.
- It is possible to detect the possible devices by scanning at certain IP intervals.
- By entering the "Output Config" tab, related functions can be configured for each output.
- Settings made after the device configuration have been made can be saved. In addition, previously saved configurations can be loaded into the device.
- Configurations can also be copied between existing devices in the network.
- Naming can be done for each input and output, hence the configuration becomes clearer.
- By entering the "Manual Panel" tab, data about inputs, outputs and virtual inputs can be monitored.
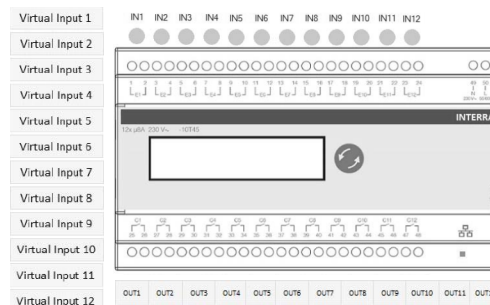


## MAIN FUNCTIONAL CHARACTERISTICS

- ON/OFF control can be made with every output of the ethernet I/O module.
- Toggle control can be made with every output of the ethernet I/O module.
- Each output of the Ethernet I / O module can be controlled with time dependent control.
- Shutter/blind 24V configuration can be with 4 outputs of the ethernet I/O module.
- Shutter/blind 230VAC configuration can be with 2 outputs of the ethernet I/O module.
- Up to 10 different scenarios can be created by performing the desired configurations.
- Logic relationships can be established between inputs, outputs and virtual inputs to perform different configurations.
- Last situation memory against power failure.

## MOUNTING AND SAFETY INSTRUCTIONS

- The device may only be installed and put into operation by a qualified electrician or authorized personnel.
- For planning and construction of electric installations the appropriate specifications, guidelines and regulations in force of the respective country have to be complied.
- Ensure that there is enough insulation between the 230 VAC voltage cables and contacts.
- Do not expose this device to direct sunlight, rain or high humidity.
- Clean the product with a clean, soft, damp cloth.
- Do not use aerosol sprays, solvents or abrasives that might damage the device.
- Installation only in dry locations and on a 35 mm DIN rail (TH 35).
- Accessibility of the device for operation and visual inspection must be provided.
- It is known that inrush current is very high for capacitive loads. If a capacity load too high is connected the device might be damaged. Therefore, before connecting a capacity load to the device, you must measure its inrush current and be sure the device can support it.

## CONNECTION DIAGRAM
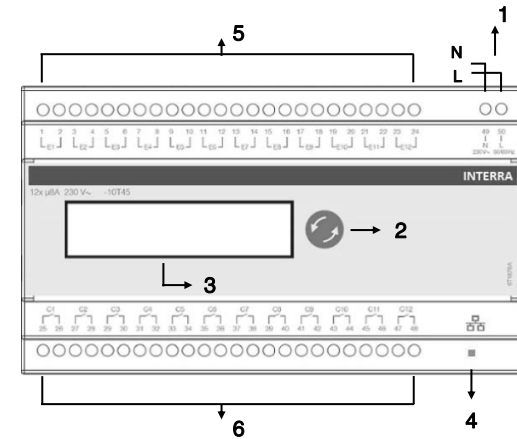


(1) 230 VAC Terminal

The power of the device is given in this section. After phase-neutral connection has been completed, the device is in operable position.

(2) Menu Button

Menu button is used for navigation of menu and get status information.

(3) LCD Screen

The network settings of the channels and the status of the device can be controlled via the LCD screen.

(4) Ethernet Connector

Communication with the device is provided via the ethernet connector. Communication is established with the device after connection is made.

(5) Input Connectors

The devices to be connected to the inputs of the device are connected via these connectors.

(6) Output Connectors

The devices to be connected to the outputs of the device are connected via these connectors.

## MARKS

CE: The device complies with Electromagnetic Compatibility Directive (2004/108/EC) and Low Voltage Directive (2006/95/EC).

Tests are carried out according to EN 60950-1:2007, EN 55022:2012+A2:2012 standards.

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