**SAFETY INSTRUCTIONS**

**WARNING**

Follow carefully these safety and installation instructions. Improper work may lead to serious harmful for your health and also may damage seriously the IntesisBox and/or any other equipment connected to it.

IntesisBox must be installed by accredited electrician or similar technical personnel, following all the safety instructions given here and in accordance always with the country legislation for installation of electric equipment.

IntesisBox cannot be installed outdoors or exposed to direct solar radiation, water, high relative humidity or dust.

IntesisBox must only be installed in a restricted access location.

In case of wall mount, fix firmly IntesisBox on a not vibrating surface following the instructions next.

In case of DIN rail mount, fix IntesisBox properly to the DIN rail following the instructions below.

Mounting on DIN rail inside a metallic cabinet properly connected to earth is recommended.

Disconnect always power of any wires before manipulating and connecting them to IntesisBox.

A power supply with a NEC Class 2 or Limited Power Source (LPS) and SELV rated is to be used.

Respect always the expected polarity of power and communication cables when connecting them to IntesisBox.

Supply always a correct voltage to power IntesisBox, see details of voltage range admitted by the device in the technical characteristics below.

This device was designed for installation in an enclosure. To avoid electrostatic discharge to the unit in environments with static levels above 4 kV, precautions should be taken when the device is mounted outside an enclosure. When working in an enclosure (ex. making adjustments, setting switches etc.) typical anti-static precautions should be observed before touching the unit.

**CONFIGURATION**

Use the **Configuration Tool** to configure the gateway.

See instructions to download and install the latest version at: https://intesisbox.com/intesis/software/intesisbox_maps_installer.exe

Use the Ethernet connection or the Console Port (mini USB type B connector included) to get communication between the gateway and the configuration tool.

Follow instructions of the user’s manual for more details.
CONNECTIONS

Power Supply
Must use NEC Class 2 or Limited Power Source (LPS) and SELV rated power supply.

- If using DC power supply:
  Respect polarity applied of terminals (+) and (-). Be sure the voltage applied is within the range admitted (check table below). The power supply can be connected to earth but only through the negative terminal, never through the positive terminal.

- If using AC power supply:
  Make sure the voltage applied is of the value admitted (24 Vac). Do not connect any of the terminals of the AC power supply to earth, and make sure the same power supply is not supplying any other device.

Ethernet / Console (UDP & TCP)
Connect the cable coming from the IP network to the connector ETH of the gateway. Use an Ethernet CAT5 cable. If communicating through the LAN of the building, contact the network administrator and make sure traffic on the port used is allowed through all the LAN path (check the gateway user manual for more information). Default IP is 192.168.100.246.

Port A / KNX
Connect the KNX TP1 bus to connectors A3 (+) and A4 (-) of gateway’s PortA. Respect the polarity.

Port B / Fujitsu VRF
Connect the terminals (X1 X2) of Fujitsu Outdoor Unit to the connectors B1 and B2 of gateway’s PortB. There is no polarity to be respected.

Console Port
Connect a mini-type B USB cable from your computer to the gateway to allow communication between the Configuration Software and the gateway. Remember that Ethernet connection is also allowed. Check the user manual for more information.

USB
Connect a USB storage device (not a HDD) if required. Check the user manual for more information.

This information is subject to change without prior notice.
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