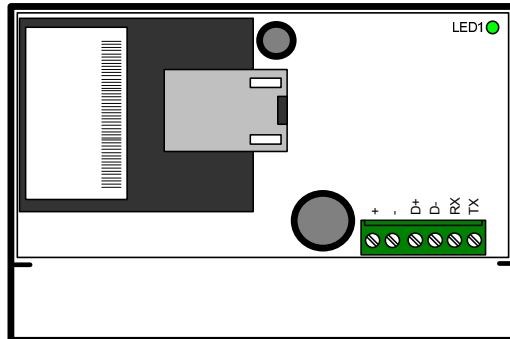


# TECHNICAL NOTE

## UGIP (122008)



### TCP/IP – RS485 Convertor

## WARNINGS

- When installing, scrupulously follow the instructions provided by the manufacturer and in accordance with current standards.
- All devices must be strictly intended for the purpose they were designed for. AIPHONE waives any liability in the event of incorrect use of the devices and/or in the event of changes made to the products, whatever the reason, and in the event of the use of accessories and materials making the system non-compliant.
- All products comply with the requirements of directive 2006/95/CE (which replaces directive 73/23/ECC and successive amendments). This is attested to by the presence of EC marking on products
- It is vital to comply with standards in force and avoid placing cables and devices immediately adjacent to power cables (230/400V)

## General presentation

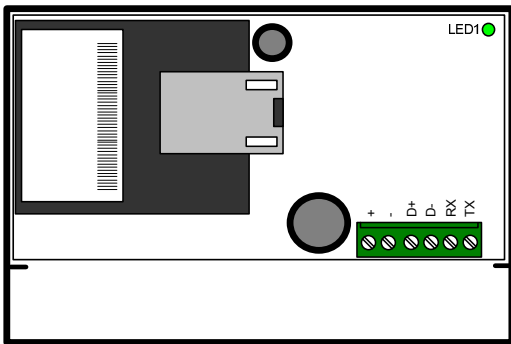
The UGIP converter connects the UGVBt access control units to an Ethernet network in order to communicate according to the TCP/IP protocol.

**Important:** To ensure the network operates, it is necessary to configure each converter with an address in IPV4 format. In the event of installation on a network shared with other equipment, the network administrator must provide a range of available addresses reserved for use of the system.

## Presentation of the electronic card

The card comprises:

- an RJ45 connector
- A terminal for the connection of the RS485 bus and power supply of
- An indicator LED



## Description of terminals

+ : power +12 v dc  
- : power -12 v dc  
D+ : output RS485  
D- : output RS485  
RX: Not used  
TX: Not used

## Connection

It is possible to connect up to 254 UGVBt units in a network on a system. Each UGIP module may manage a maximum of 32 units with the help of an RPUGIP repeater (see a connection example on page 4).

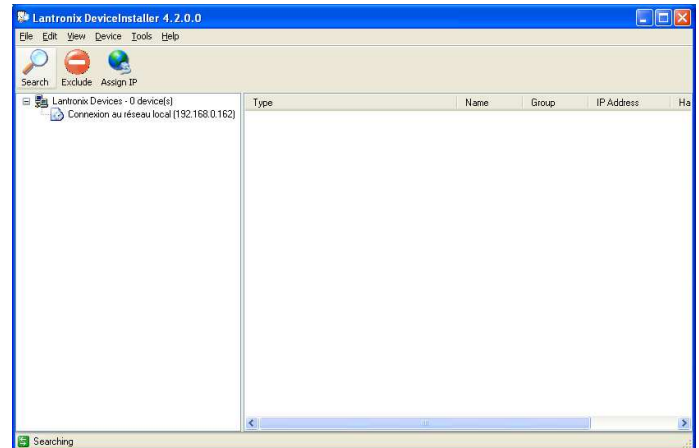
## Technical characteristics

- Consumption: 70 mA
- Operating temperature: -10°C to + 55°C
- Operating voltage: 12 to 24 V dc
- Dimension (h x l x p) : 55 x 85 x 20 mm

## Programming IP addresses

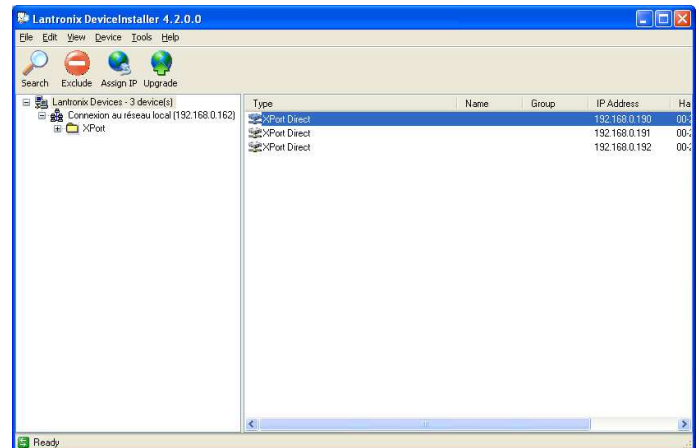
1. Install the **Lantronix DeviceInstaller** contained in the CD which comes with the convertor.
2. Run the **Lantronix DeviceInstaller**

Click on “Search” after connecting the converters to the Ethernet network

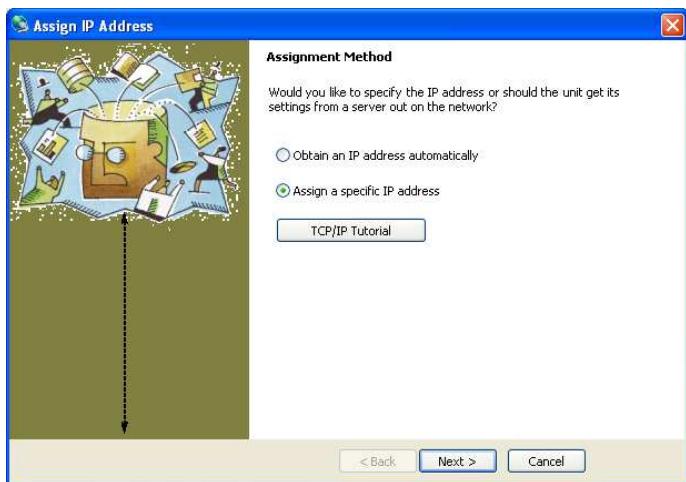


Once the products have been found, choose the first one and click on “Assign IP”

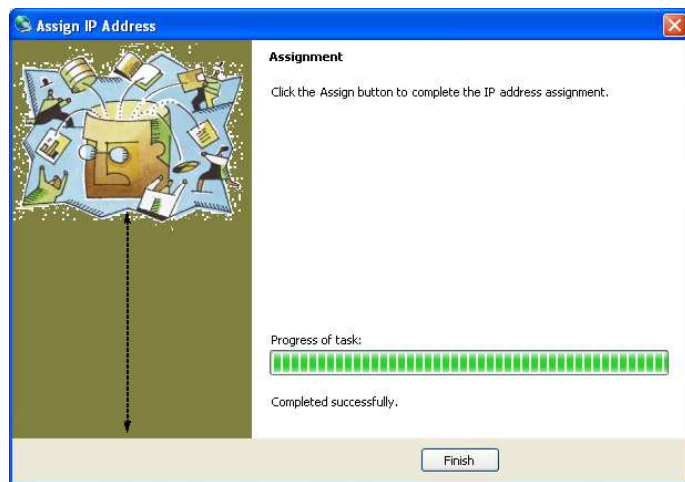
**Note:** To physically identify converters, compare the MAC address shown on the products with that displayed on screen (xx-xx-xx-xx-xx)



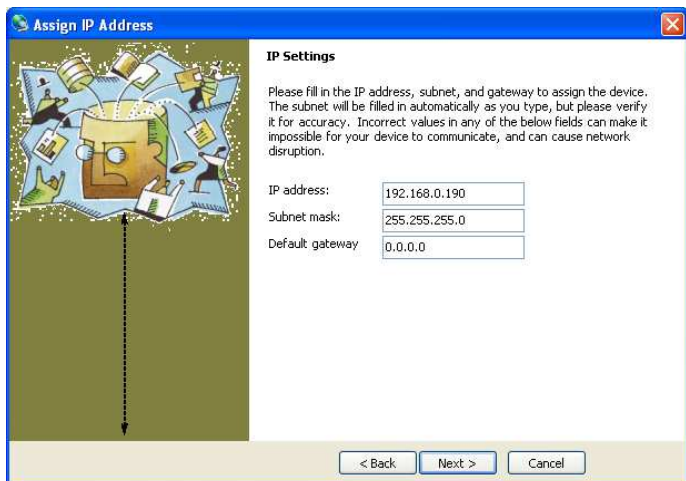
Tick "Assign a specific IP address" and click on "Next"



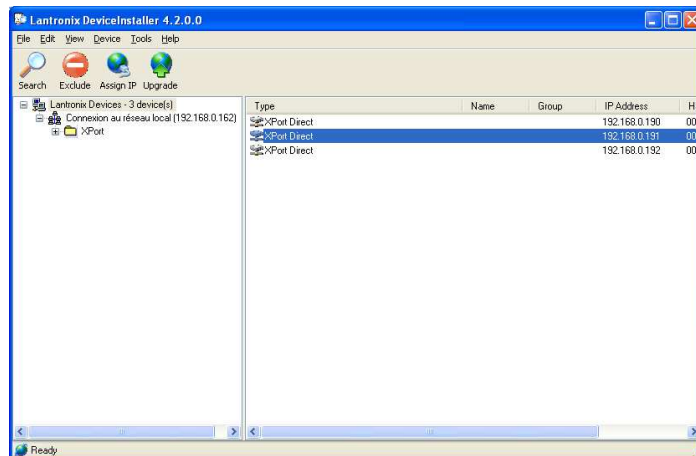
Click on Finish



Enter the IP address for the reserved range (e.g. 192.168.0.190)  
then click on "Next"  
Leave the other fields set at their default value



Repeat the operation with the other converters



The software checks that the address is free. Then click on "Assign"

