

TelevisGo

The expandable supervisor with IEC 61131 applications



**QUICK
START**

INTRODUCTION

This guide contains all the general information needed for the installation and initial start-up of TelevisGo.

For all other settings and options, see the full technical documentation available in electronic format (pdf) in TelevisGo or from www.eliwell.com subject to registration with the level1 restricted area.

You are urged to follow the instructions carefully to ensure that the installation and initial start-up of the software are done correctly.

GENERAL WARNINGS



IMPORTANT!: Always make sure the device is switched OFF before touching connections. All operations must be carried out by qualified personnel.

Do not mount devices in extremely damp and/or dirt-laden areas; they are designed for use in places with ordinary or normal levels of contamination. Make sure the area near the cooling slots is ventilated.

The admissible ambient temperature range for correct operation is between -5°C and +40°C.

Modules and system devices must be connected using a cable with 0.5 mm² conductors.

There must be no more than 1.2 km between TelevisGo and the last module.

Remember to insert a 120Ω, ¼W resistor between the "+" and "-" terminals of the last device in the network.



NOTE: Comply with relevant applicable legislation when laying data transmission cables

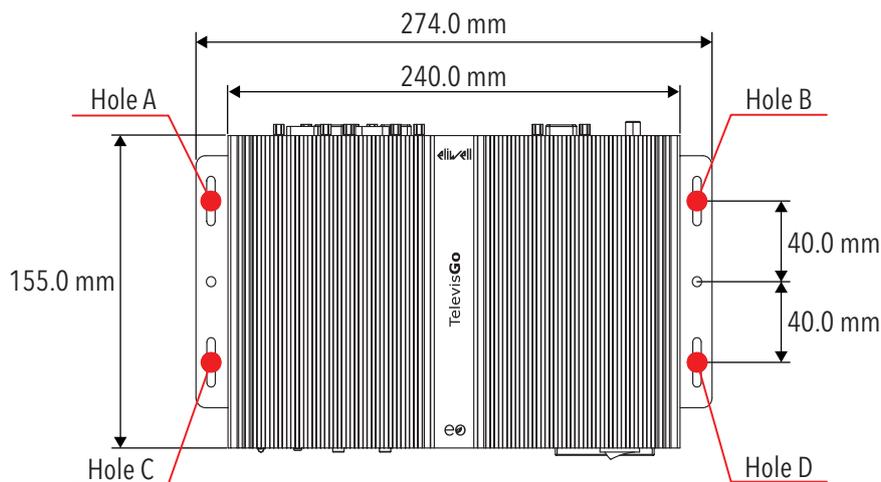
PACKAGE CONTENTS

The package contains:

- TelevisGo device
- Power unit and power cable

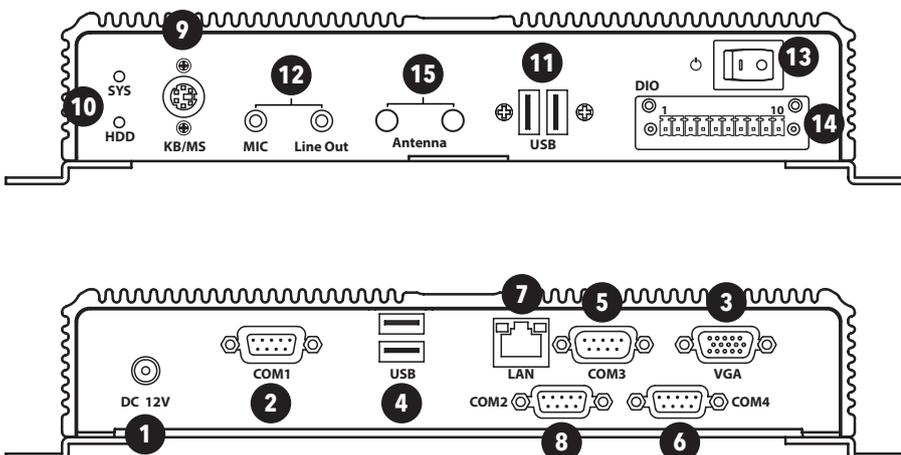
MECHANICAL INSTALLATION

TelevisGo was designed for wall or panel-mounting. Secure the device to the wall/panel with 4 screws (not supplied) to match the holes illustrated in the figure below.



CONNECTIONS ON THE DEVICE

The following connections are to be found on the front and back of the controller:



- 1) Connection to 12V_{DC} power supply
- 2) COM1 (RS232) port for **Serial**Adapter
- 3) VGA monitor connection
- 4) 2x USB 2.0 connections
- 5) COM3 (RS232) port for modem
- 6) COM4 (RS232) port for modem
- 7) LAN RJ45 connection
- 8) COM2 (RS232) port for **Serial**Adapter
- 9) PS2 keyboard connection
- 10) LED power supply and HDD
- 11) 2x USB 3.0 connections
- 12) Audio minijack socket
- 13) Power ON/power OFF button
- 14) Not used
- 15) Not used

TECHNICAL SPECIFICATIONS

The main technical features of TelevisGo are listed below:

- power supply: **12V** with external **100-240V ±10% a 50-60 Hz** supply
- max. power absorbed: **10VA**
- working temperature: **0 ... 50°C**
- storage temperature: **-20 ... 60°C**
- operating/storage humidity: **10 ... 90%** (non condensing)
- maximum number of connectable devices: **224**
- Operating System: **Windows 7 Embedded** Standard (English language)



(the license number card is inside the packaging)

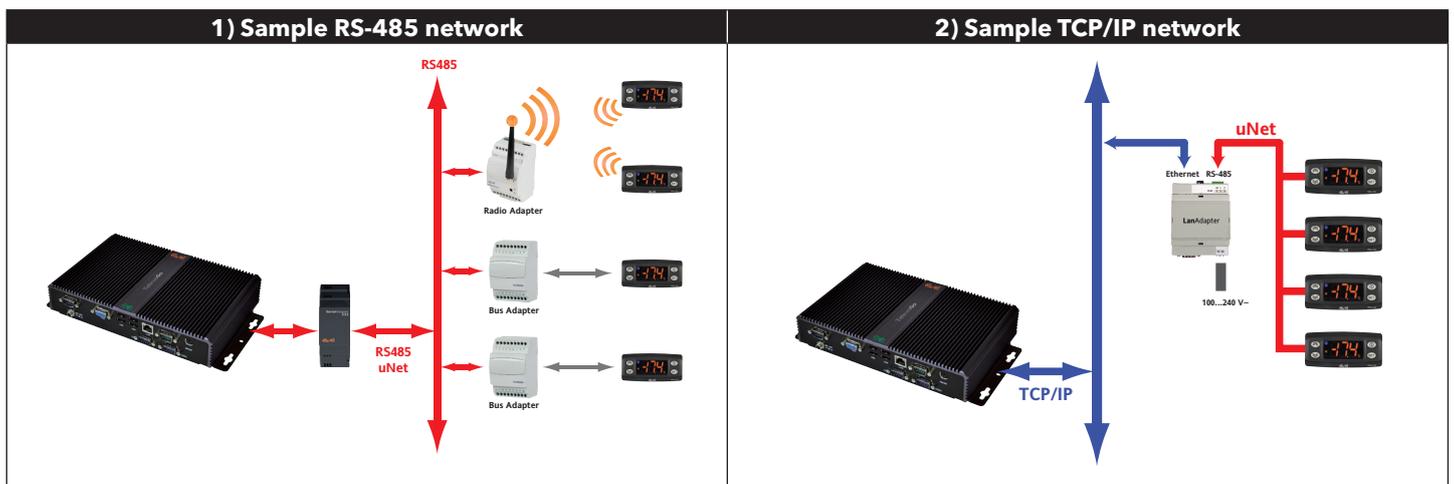
- Connectivity:
 - Ethernet (LAN)
 - external GSM modem (RS232 interface based on SIEMENS type TC35 technology)
 - integrated USB ports
- Languages supported:
 - Italian
 - English
 - Spanish
 - German
 - French
 - Russian
 - Dutch
 - Polish
 - Portuguese
 - Chinese
- Browsers supported:
 - Internet Explorer 7 or later
 - Mozilla Firefox 3.5 or later
 - Google Chrome 16.0.x or later

Enabling the browser cache. This means pictures don't have to be reloaded at each connection, making navigation quicker and more responsive.



IMPORTANT!: Incorrect configuration of the cache could lead to pages not being refreshed properly!

- TelevisGo has been approved for the following networks:
 - **RS-485** networks
 - **LAN** networks using the TCP/IP protocol
- The main regulations/directives which TelevisGo complies with are listed below:
 - UNI EN 12830:2001 (HACCP)
 - 2002/95/EC (RoHS Directive)



NOTES:

1. Signal propagation in an Ethernet network depends on bus traffic, making access times to the LanAdapter non-deterministic and potentially influencing access time to the RS485 sub-network.
2. The **SerialAdpater** 232 adapter can only be connected to **COM1** or **COM2** as it is supplied by them. Other serial accessories (modems) must be connected to serials **COM3** or **COM4**.

INSTALLATION

To install TelevisGo, you have to set up the device and the network of devices it is connected to first. This can be done via the WEB interface.



NOTE:

1. Before scanning the network with TelevisGo, each device in the network must be assigned a unique address within the same serial port or LanAdapter, setting it based on the network used:
 - Televis network: parameters **FAA** and **dEA**.
 - Modbus network: parameter **Adr**.
2. On plugging in, TelevisGo does not switch on immediately as some checks are run automatically and the software is loaded (takes about 30 seconds).
3. To switch the device off, press and hold button (13) for 4 seconds (a safety feature to prevent accidental switching off). In the event of a blackout, the PC and application restart automatically when mains power is returned.

WEB INTERFACE

TelevisGo must be switched on and connected to the internet to access the WEB interface.

Open a compatible browser and enter the device address:

http:// <TelevisGo IP Address>

The factory-set parameters are as follows:

<TelevisGo IP Address> = 192.168.1.50 - Subnet mask = 255.255.0.0

To assure the proper function of the PC - TelevisGo connection (Ethernet), the PC must have an IP address configured that is compatible with the TelevisGo subnet mask (normally the same Subnet mask and IP address, in which only the fourth numerical block changes to be different for each element in the network).

For more detailed information and special installations, contact the network administrator.

When switched on, TelevisGo runs a system check then shows the login page (FIG.3).

Set the language, and enter the default user profile:

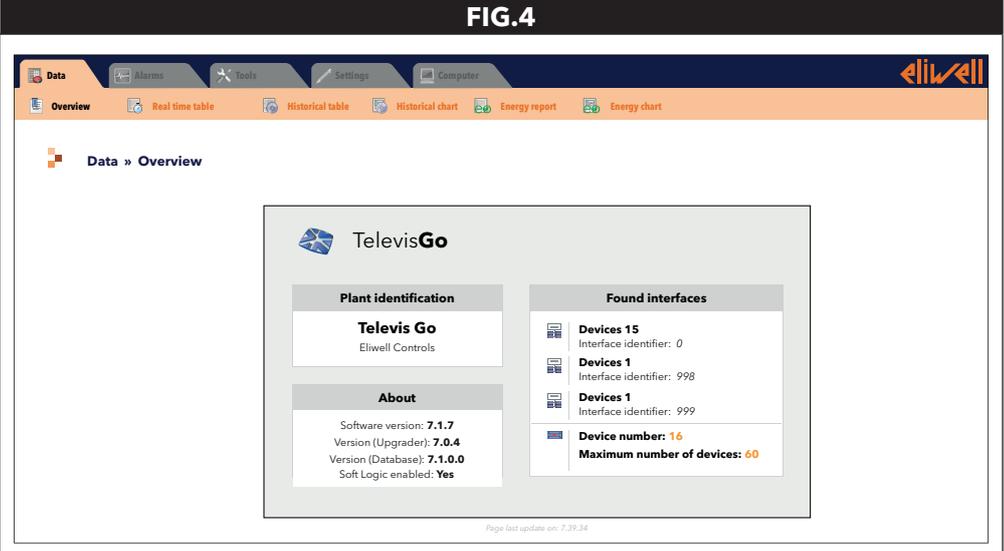
- User Name: **Administrator**
- Password: **0**

and press **Enter**. The welcome page opens (FIG.4).

FIG.3



FIG.4



DEVICE SETTING

The main settings are:

Date&Time:

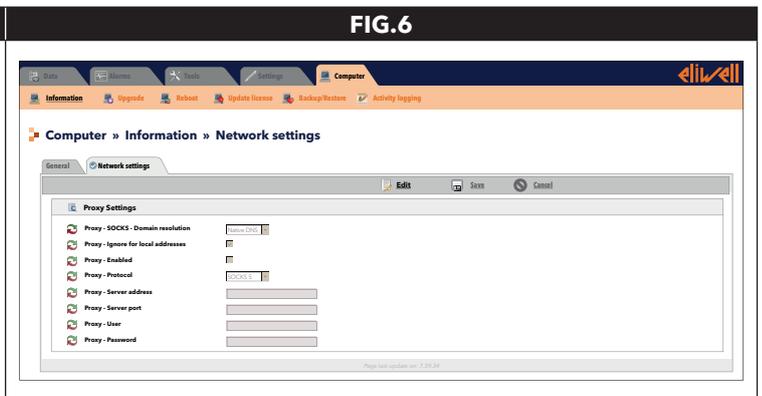
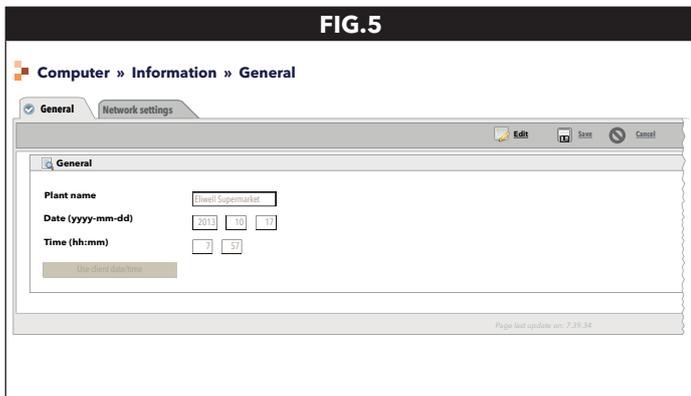
go to: **Computer** → **Information** → **General** (FIG.5)
Click **(Modify)**, setting Date&time then click **(Save)**.

Plant Name:

go to: **Computer** → **Information** → **General** (FIG.5 - optional but recommended)
Click **(Modify)**, setting the Plant Name then click **(Save)**.

Network IP/DNS:

go to: **Computer** → **Information** → **Network Settings** (FIG.6)
Click **(Modify)**, setting network IP/DNS (contact the network administrator) then click **(Save)**.



KEY: = Modify data; = Save data; = Cancel changes

NETWORK SETTINGS

The following must be set:

Interfaces:

go to: **Settings** → **Interfaces** → **Scan**

Now click (**Manage Interfaces**).

In the window that opens, click (**Add**) and enter:

- **Interface type:** SerialAdapter (**FIG.7**) or LanAdapter (**FIG.8**)
- **Protocol:** Micronet or Mixed (Micronet + Modbus)
- **Fieldbus:** network types (BusAdapter, LanAdapter, LanAdapter Wifi, LANAdapter Radio + RadioAdapter, RadioAdapter and SmartAdapter)
- **IP Address:** enter the device IP address
- **Port:** PC communication port used by the device

then click (**Save**).

Scan:

go to: **Settings** → **Interfaces** → **Scan**

After setting the interfaces, set the scan range using pop up menus 1, 2, 3 and 4 (**FIG.9**).

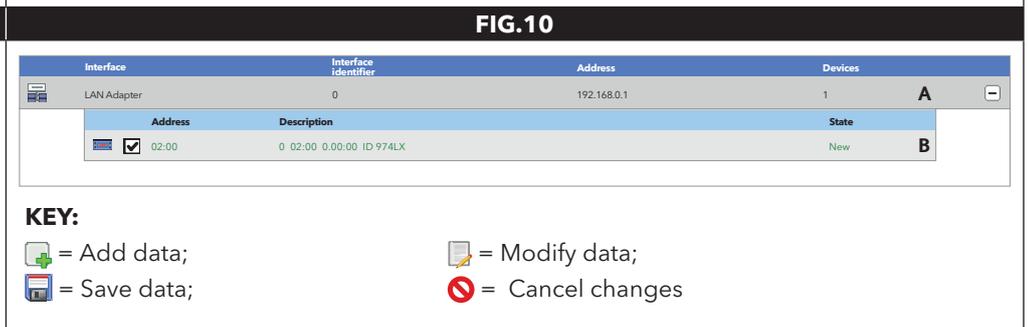
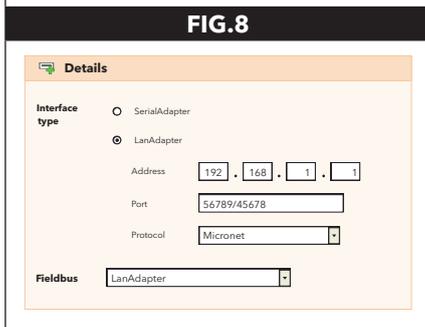
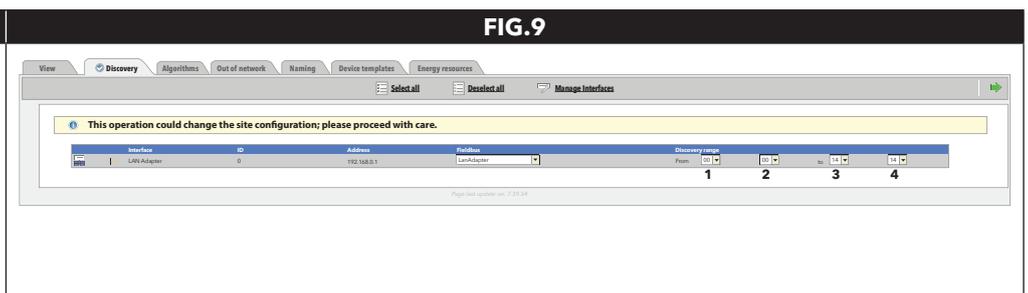
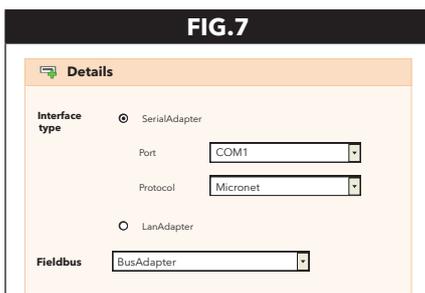
To start scanning network devices, click icon.

On completion of the scan, a window opens listing all devices located (**FIG.10**).

Line **A** identifies the network scanned. Line **B** and subsequent lines list devices associated to the network.

New devices located are shown in green, existent ones are shown in white and devices which were not scanned and possibly no longer present are shown in grey.

On completion, press (**Save**) to save all data logged.



Device Naming: go to:  **Settings** →  **Interfaces** →  **Naming** (optional)

For all devices in the network, you can set the following:

- A **Long Name** (description)
- A **Short Name** (you will need the "Short Name" to manage TXT messages)
- A **Delay** in minutes (temperature alarm indication delay).

You can also select the resources you want to monitor.

NOTE: for further details, refer to the Manual (section entitled "Installation/Maintenance")

Data-logging interval: go to:  **Settings** →  **Data Archive** →  **Control**

On opening this menu, click 'Saved data-logging interval in archive', then press  (**Modify**), enter a number (hours:minutes:seconds) and press  (**Save**). The time set is the interval in which data from the selected resource will be logged.

NOTES: **1. This interval does not apply to Statuses, Alarms and Digital Inputs. In these cases, only changes in the variables themselves are recorded, and not in relation to the interval set.**

2. An interval cannot be set while data logging is underway.

Start data-logging: go to:  **Functions** →  **Start/Stop**

From here you can Start/Stop logging data. Depending on whether data logging has started, press:

- **Start** (when Data Logging Status = Suspended)
- **Stop** (when Data Logging Status = Underway).

Once data logging has started, you will be able to view the data captured and any alarms that have occurred.

RESPONSIBILITY AND RESIDUAL RISKS

Eliwell Controls srl declines any liability for damage due to:

- unspecified installation/use and, in particular, in contravention of the safety requirements of established legislation or specified in this document.
- use on equipment which does not provide adequate protection against electrocution, water and dust in the actual installation conditions;
- use on equipment in which dangerous components can be accessed without the use of specific tools;
- tampering with and/or modification of the product;
- installation/use on equipment which does not comply with established legislation and standards.

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DISPOSAL

 The appliance (or the product) must be disposed of separately in compliance with the local standards in force on waste disposal.

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