TG-ESSER Supervisor

ESSER
by Honeywell

Features

PC requirements:

- **Intel Duo Core, 2 Gb RAM.**
- **150 Gb hard disk.**
- **DVD drive to install the application. (DVD Burner Drive recommended for backups).**
- **USB connection.**
- **Ethernet card (for fire system LAN IP connexion)**
- **RS232 series port (for fire system serial connexion)**
- **Optional RS232 DB9 series port to connect TG-GSM.**
- **Mouse and optional sound card with loudspeakers.**
- **Windows XP, Windows 7**

DESCRIPTION

TG-ESSER is a graphic supervisor software for managing and visualizing fire alarm systems easily, quickly and efficiently. It is an intuitive software which allows visual knowledge of the entire fire system, current log state events and fire location with an optimum performance and control. Building maps can be pictures or bmp and system maps are freely configurable to make the complete building overview, schemes, detailed and zoomed parts.

Sensors, MCP, sounders inputs and control modules will give an overview of the building state. It is easy to locate an alarm, an operated gate, closed door, activated extinguish, fault, and the type of alarm or fault of each device. Users can enable or disable alarm devices, parts of the building, etc. Silence or resound commands are available for control modules and sounders which status can also be visualized.

The control panels network Essernet has a single RS232 communication interface which is used to transmit events to the TG supervisor software. The system is connected by serial connection or IP address for Ethernet or GPRS communication (LAN or VPN).

A GSM transponder (ref.: TG-GSM) modem device can be connected to a RS232 PC and send automatically SMS messages for selected events (alarms, faults, disablements, etc.) to any mobile phone. A maximum of 5 mobile numbers can be set for each event type, area or device. It is possible to send messages of up to 160 characters with information about the device, address, event type, time and date.

TG-ESSER provides access for 128 users and can be customized for each one, allowing or limiting all system actions.

A Test option allows the user to simulate events in order to show and test the supervisor performance and visualize the event path indication and map changes.
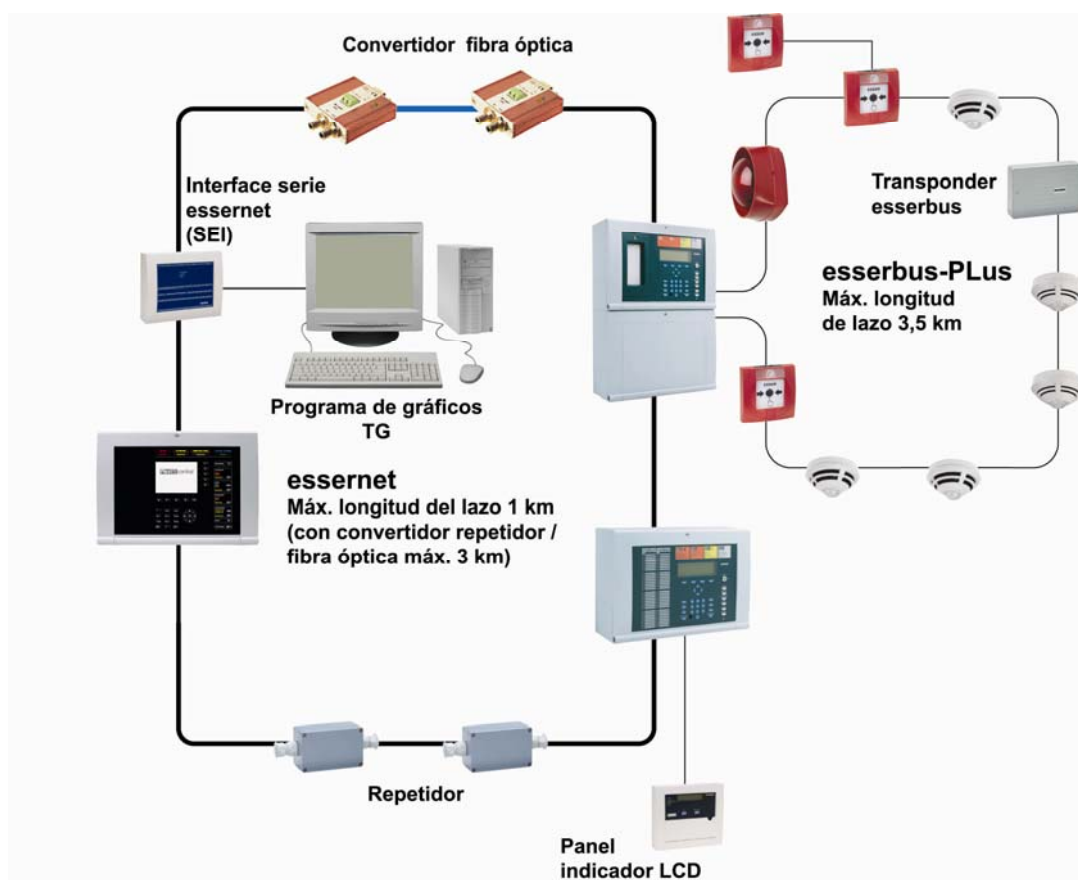
TG-ESSER provides links through building and installation maps with zoom, schemes or different views. In case of an alarm or fault event, the software shows automatically the map or screen where the device is located and/or shows the path to locate it fast and easily.

Other elements like fire extinguishers, fire hoses, evacuation routes, etc. can be indicated on the building maps and can be time controlled. Their verification status is also shown together with additional information which optimizes the fire warnings and alarms management.
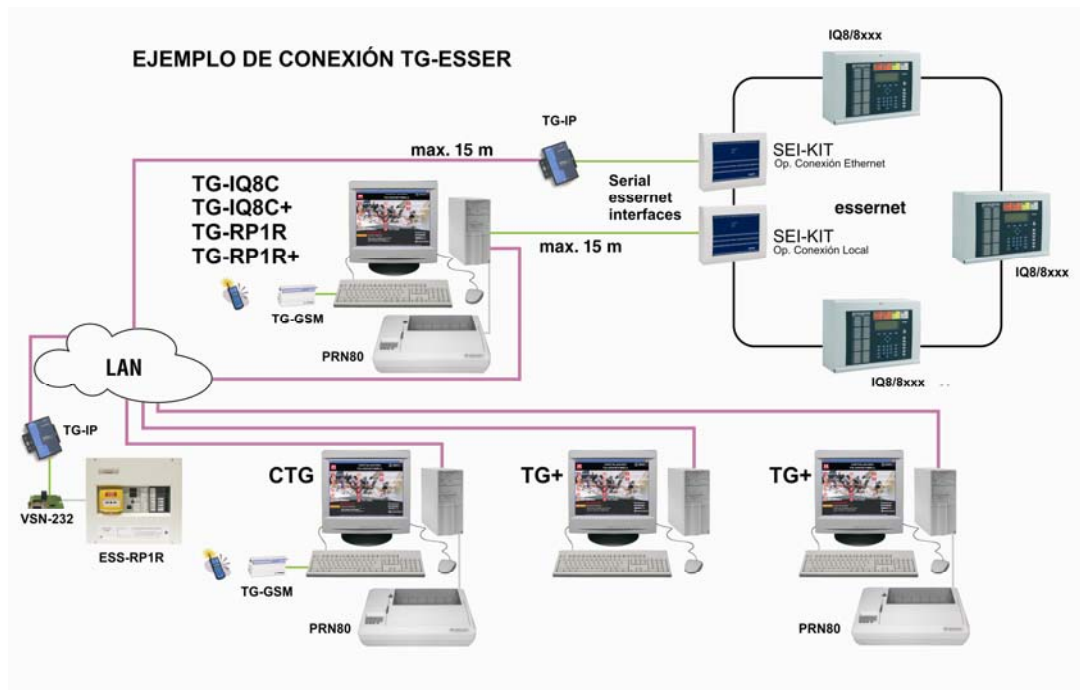
WIRING OPTIONS

There are different ways to connect the TG Supervisor Software to the fire alarm control panels:

1. Serial connection between Essernet Serial Interface and the PC serial port. This allows the control panels to be connected to an Essernet fire system network. The number of ports in the PC may be increased by using serial converters to USB and Essernet networks can be linked and controlled. The use of seri al amplifiers is allowed to increase the maximum distance between the PC and the control panel, from the standard 15 m to 1Km.

2. Ethernet or GPRS con nection to supervise and control 10.000 control panels via IP by using the IP converter ref.: TG-IP1 or the UCIP-GPRS. The PC receives all the information from all systems via the Ethernet card.

3. A mix of both options a bove by linking l ocal networking panels by serial port and remote systems by Ethernet or GPRS.

4. For really large systems, the use of local supervisors linked to central control stations in a hieratic architecture is recommended. Some control panels are connected to serial ports directly, other control panels may be connected via IP and the events are transmitted to some local PCs for local and direct control within the company network (Intranet).
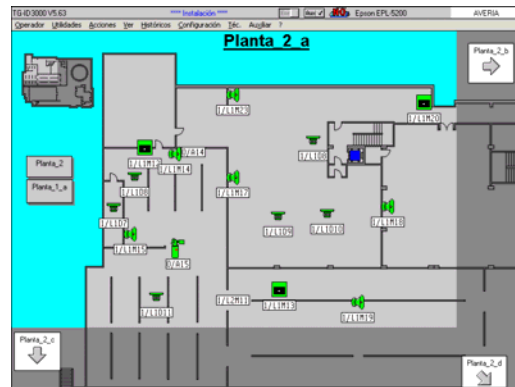

Link to GSM to send SMS text messages to mobiles with up to 160 characters.
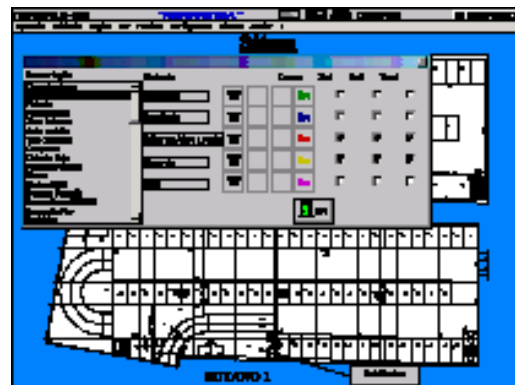
Events can activate an audio (wav) or video message previously saved.

Video files can be linked in order to indicate the way to follow to arrive to the device in alarm or fault or to show the evacuation route.

Devices can be located on the BMP plans with different formats (800 x 600; 1024 x 768; 1680 x 1050; 1920 x 1200 pixels, etc.), depending on the screen configuration. Sensors and modules can be illustrated by means of the large icon library included in the software or by customized geometric shapes. Some functions can be linked to the plans, like plan changes, counters of alarms, faults, disablements, etc. The devices addresses can also be shown optionally.
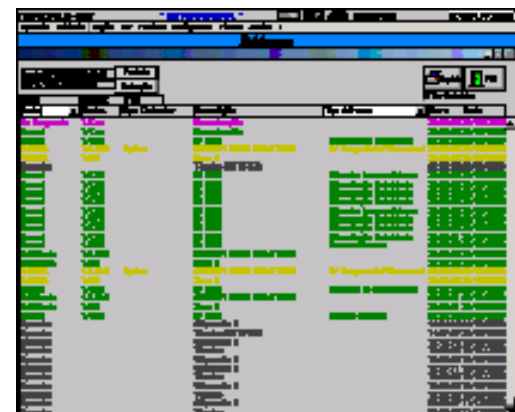

There is a function to visualize the status of all the devices in the loop with a quick look. The current condition of the 99 sensors and 99 modules is shown in the same screen and by clicking on the selected device, the location on the plan or device configuration can be shown.

The Import function allows the user to import the device descriptions from the fire alarm control panel globally or individually.

A line graph shows the sensor condition in real time. Thus, by knowing the alarm (or other event) development, effective actions can be taken, for example the activation of sounders before they are activated from the control panel.