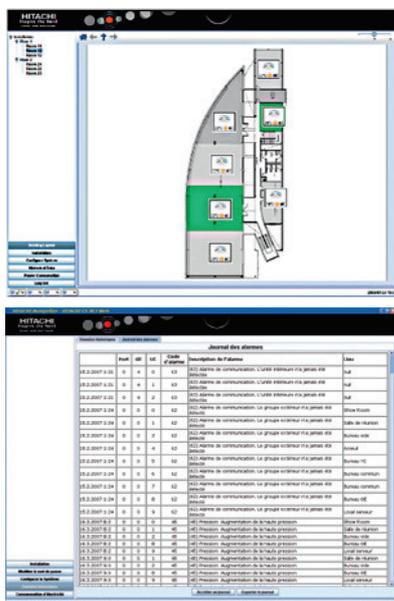# CS-NET WEB

Hitachi's CS-Net web is a standalone control system that allows users to fully monitor and control their air conditioning from anywhere with web access.

## FUNCTIONS
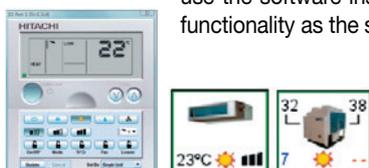




### CALCULATED ENERGY CONSUMPTION

▰ This function is available as standard to measure and record the energy consumption of all or a proportion of the indoor units and outdoor units controlled by the CS-NET WEB. This consumption distribution is displayed as a percentage.



▰ By adding an energy meter, the consumption is displayed in KWh. The energy consumption can be displayed in € or £ by providing the information in an hourly cost.

▰ Hotel: CS-NET WEB is compatible with the Micros hotel management software Micros-Fidello, which enables for example, the guaranteed start-up of air conditioning in the room according to the client records.

▰ CS-NET WEB provides a means to control your system known as "Building schematic." Very user-friendly, all the units are displayed on a site plan of the building. CS-NET WEB has a virtual remote control that you open by clicking on the icon of the unit or you can simply use the software installed on your PC. The virtual remote has the same basic functionality as the standard remote.
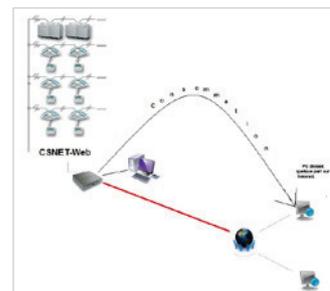


## PRACTICAL MAINTENANCE TOOL

▰ From the client interface, the user can control the installation and view any error that has occurred providing detail of the error code and a description of the problem identified.

▰ Alarm Log: from the first occurrence of the fault, an alarm log is automatically generated by the CS-NET WEB and can be exported at any time (SYSTEM FREE range).

▰ Historical data: the CS-NET WEB records all operating settings of the installation and allows the user to chart development graphs for the changes to the settings applied during a specific period of time in order to accurately analyse the unit operation and send specific reports prior to maintenance works.



▰ The mail server alerts the user by e-mail in the event that an error code is triggered on the system. The monitoring and remote control is possible via the Modbus/IP protocol. The Centralised Technical Management system (GTC) can also utilise the CS-NET WEB for comprehensive building management.

## Installation

It is particularly suitable for administrators of buildings and can support the operation and management of systems from the SET FREE or UTOPIA ranges. The CS-NET WEB provides maintenance companies with all the advantages of a Centralised Technical Management system that can be accessed remotely.

▰ The CS-NET WEB operates autonomously providing both the system "intelligence" and the "software" interface that is installed on the PC which allows for remote supervision. The CS-NET WEB can be connected to the site and the internet either through an internal Local Area Network (LAN) or a standard ADSL modem.

▰ Standard distance: 1000 m (or 5000 m with additional booster

▰ Ability to control 512 indoor units (depending on the H-LINK 2 configuration) and 64 outdoor units in the SYSTEM FREE.

▰ A Modbus/IP interface is integrated as standard in the CS-NET WEB.

▰ A web server provides remote access to the menus.

** 5000 m with 4 H-LINK relays: PSC 5 HR. See Accessories, pages 246 to 248.

# CS-NET WEB

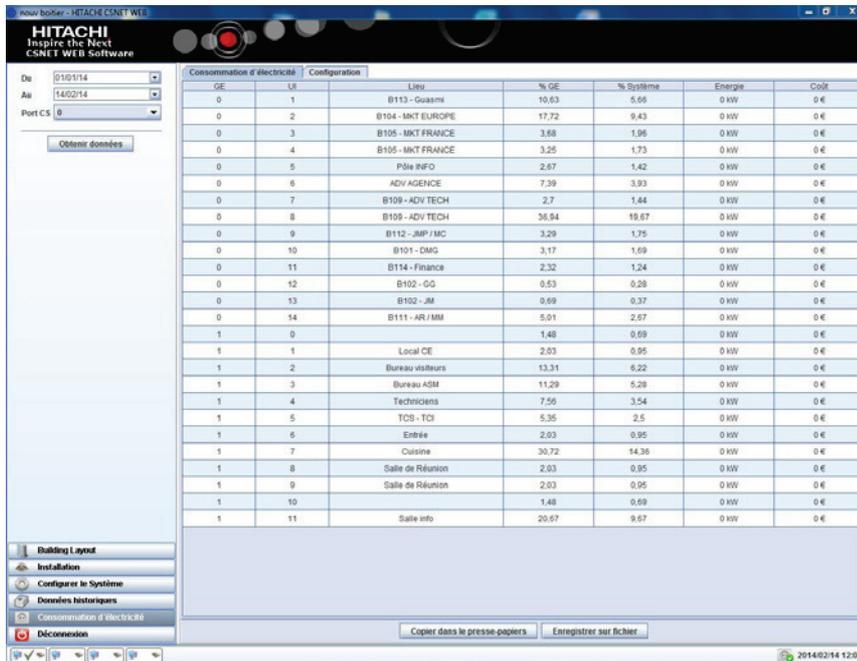## AVAILABLE FUNCTIONS ON THE SET FREE & UTOPIA RANGES

- Control functions
- On / Off
- Operating mode
- Temperature set-point
- Available set-point range
- Fan speed
- Direction of air flow
- Local / central mode
- Monitoring functions
- Status: on/off
- Operating mode

- Temperature set-point
- Returned room temperature
- Remote temperature sensor
- Temperature sensor on remote control
- Filter
- Fan speed
- Direction of airflow
- Alarm
- Error code
- Timer
- Energy consumption

## SIMPLICITY OF SETTINGS

From the interface installed on the remote PC (Web), the user can choose any operating settings for an indoor unit. These settings can be applied to all or part of the units on site (SYSTEM FREE range). In order to restrict access to the settings, it is possible to lock a number of the settings (temperature set-point, operating mode, fan speed, on/off) or limit the range of available settings (SYSTEM FREE range).

## RESTRICTED AND SECURE ACCESS

Several levels of secure access using passwords are available, restricting access to the operating settings.



**Recommendation:** for remote access an internet connection is required.



CS-NET WEB 4 Integrated internet access from your smartphone

## LONG-TERM TIMER

A programmer on the timer can be used for up to four years, enabling autonomous operation over prolonged periods. In order to simplify the programming, a greater number of templates can be created and applied to any or all of the units on site.

Ref: PSC-A160WEB1