

SmarteH Hotel Room Solution



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Hotel room solution

The hotel room solution from Smarteh is designed with two main goals; the guest must experience the maximum comfort and security while on the other hand the hotel operator must be able to obtain a high level of energy efficiency and optimize the workflow of the hotel staff.

With the Smarteh hotel room solution the energy efficiency will improve to the highest level, without compromises in the comfort for the hotel guest.



With innovative control solution for temperature regulation, lighting, shading and room access management, Smarteh has created an easy to use and state of the art solution.

1. TEMPERATURE REGULATION

SmarteH LCD temperature unit enables energy efficient climate control for heating and air conditioning in hotel room applications. Intuitive user interface allow the guest to easily set the desired temperature and fan mode. The background picture can be customized with any picture for example hotel logos, etc. The unit is compatible with a wide range of different frames, to integrate perfectly to any interior design. It comes in two versions, touch and button. Upon request also the casing color can be customized.



The room temperature can be set locally by the guest or centrally from the BMS. In both cases the temperature unit reacts precisely and economically to obtain the perfect comfort for the guest without wasting unnecessary energy.

2. LIGHTING / SHADING

SmarteH lighting and shading driving offers a comprehensive solution for the environment of the guest room. Situation based operation of the panel is specially studied to obtain the set light intensity combining the shading and lighting in order to obtain the effect desired by the guest.



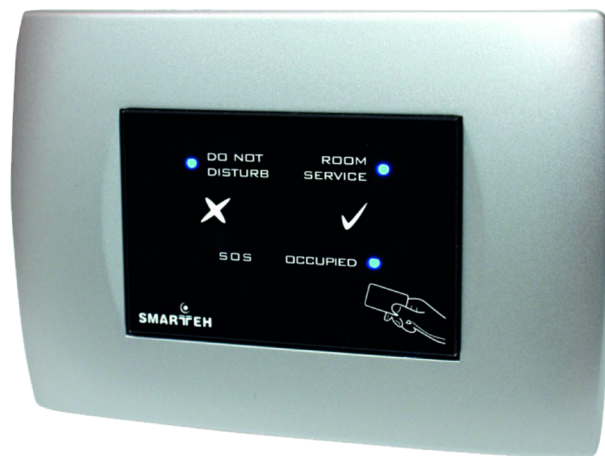
When the guest leave the room the lights turn off, when he comes back the lights will go to back previously set values. Shading can be adjusted automatically based on outside conditions, locally by the guest or centrally from the BMS.

3. ROOM ACCESS AND OCCUPANCY DETECTION

Smarteh Card reader panel offers easy access to the hotel room. It is enough just to approach the keycard to the reader and doors will unlock automatically using the electrical lock in the door frame. If the keycard is valid a green light on the reader will turn on and a sound (“beep”) will inform the user that the doors will unlock. If the card is not valid the door will remain locked and a red light will turn on.

The room status is visible on the panel in front of the door so the hotel staff doesn't disturb the guest if the room is occupied or guest doesn't want to be disturbed. The same information is also shown on the BMS computer at the reception.

To guarantee the highest level of security all the entrances in each room are recorded and archived. The module is available in different colors and languages upon request. Version with bell button is also available.



When the guest enters the room he inserts the keycard in the keycard holder. All the room functions become available to him. The temperature mode switches to comfort mode, all the sockets in the room get the power. The receptionist see in real time the room is occupied.

The user can activate the room service or the do not disturb function by pressing one of the two touch buttons on the panel. This statuses can also be activated remotely by BMS.

Integrated buzzer can be used as a discrete bell.

Both panels are available in two versions: Emarine and Mifare.



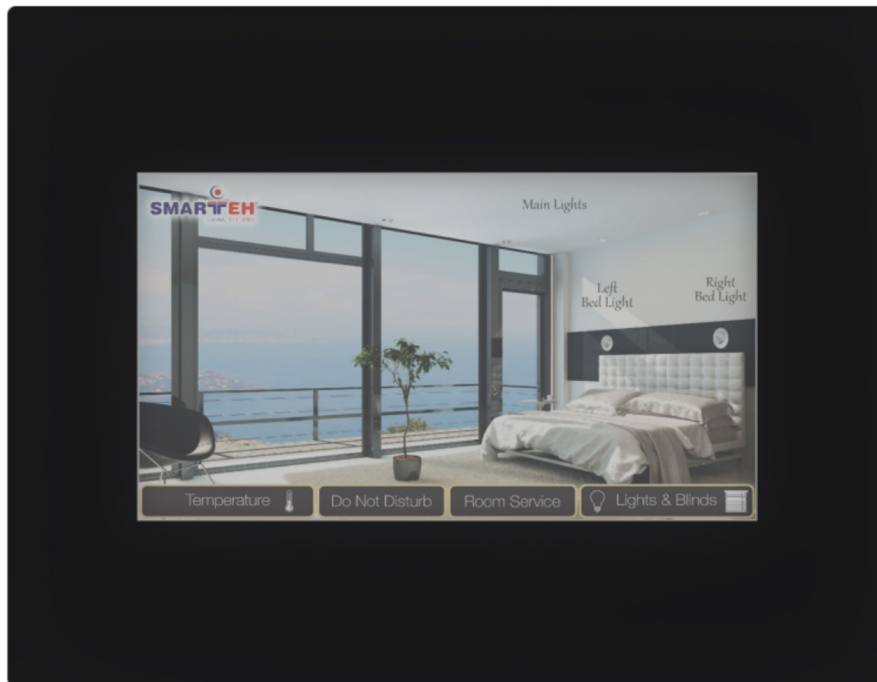
4. ADVANCED ROOM CONTROL

SmarteH exclusive Touch panel offers a great solution for the most luxurious hotels rooms or suites. It comes with 2 sizes, 7" or 4,3", with frameless glass appearance.

In addition to all the functionalities described in the previous pages the touch screen offer a whole new level of comfort such as:

- Light scenarios
- Creating and saving new light scenarios
- Temperature control for all the suite in one place
- Blinds control
- Additional customized functions (for example booking of the wellness services, etc.)
- 4,3" touch panel can include also RFID reader or holder.

Upon request the frame of the Touch Panel can come in any colour. Also the graphic interface, menus and the screens can be customized.



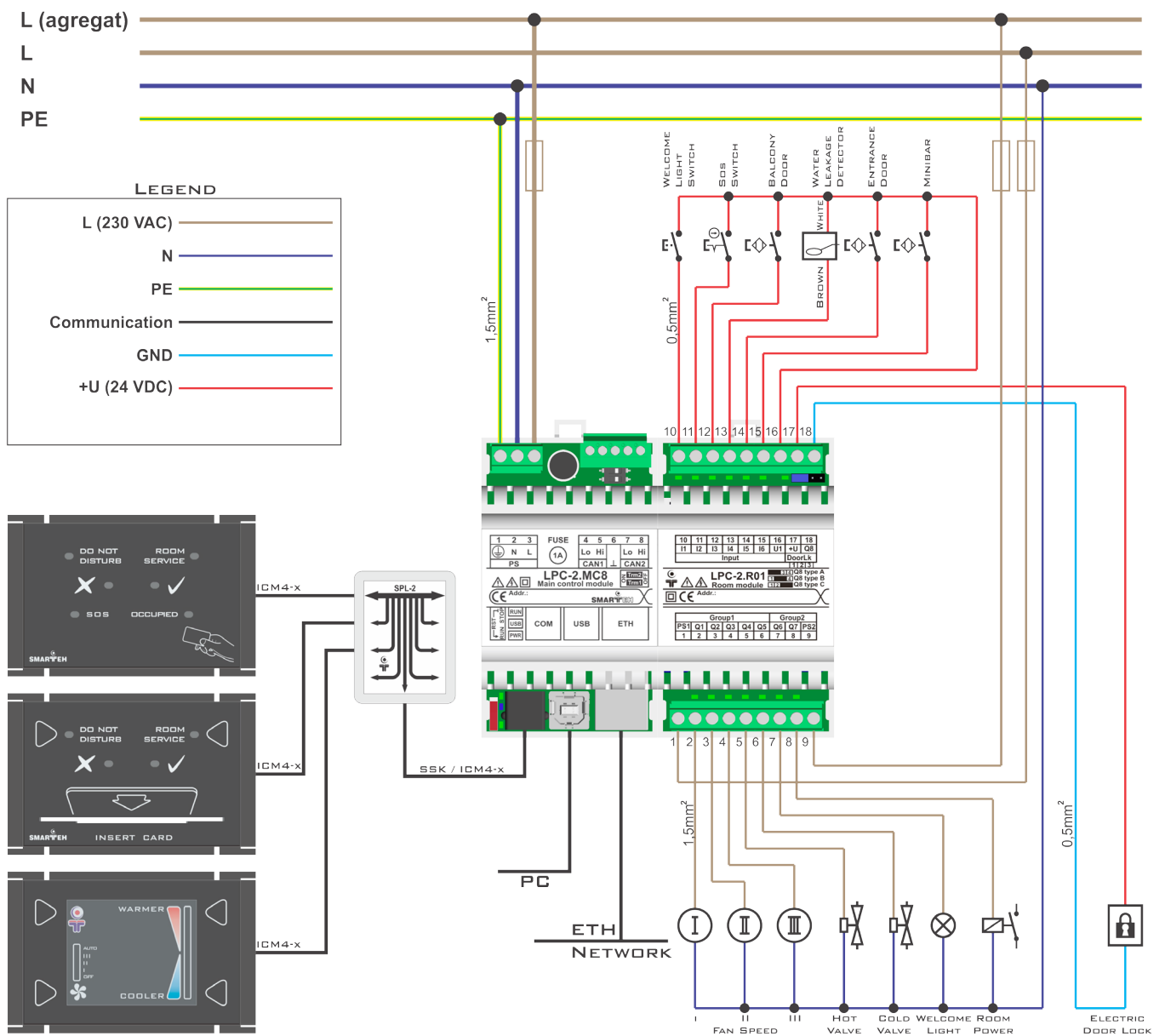
5. ROOM CONTROLLER

Smarterh philosophy for room control is based on a freely programmable, modular PLC controller. With this solution the system can be easily adapted to any type of functions. The size of the room is not a problem, depending on the number of functions (inputs/outputs) it is just necessary to select the optimal combination of input and output modules. Even if the hotel has many different types of rooms (suites, apartments, etc.) all of them are controlled with the same type of controllers. This makes it easier when it comes to maintenance during the operation of the hotel.

The room controller can work as a stand-alone unit, or it can be connected to the BMS system in order to make the functioning even more efficient.

In most cases all the room controllers are connected to the BMS through the local Ethernet network, this reduces the costs of installation since there is no need for pulling additional communication cables.

Furthermore, the BMS can interface other systems as IP-TV, HMS for additional functionality. Control over room by guests mobile phone is another sophisticated feature within our system.



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