

Mercure Timisoara Hotel

(Romania)



CASE STUDY



Case study Hotel Mercure Timisoara by eelectron

We are so pleased to have taken part in the making of this project with our products, that granted the @HotelMercureTimisoara the awards as HOTEL OPENING OF THE YEAR 3rd and BEST INVESTMENT IN INNOVATION AND TECHNOLOGY 1st of 2021.

The Hotel Mercure★★★★ is located in Timisoara, a city on the west side of Romania

“With an eclectic décor bound to be perceived as enticing, we are pleased to welcome you to Mercure Timisoara, just minutes away from the historical center of the city also known as "Little Wien".”

“Our elegant rooms are customized for the modern tourist, on a business or leisure trip. With integrated state-of-the-art technology and BREEM Building certification of excellence, we are



committed to providing high-level eco-sustainable services. Discover our Zaraza bar and restaurant for a taste of traditional Romanian cuisine or organize a meeting in the modern Bega meeting room, Timisoara's welcome is always perfect.”

Florin Emanuel Cojocaru
Hotel director

Eelectron contribution

For us all the vertical markets are important, and in the hospitality sector our top priority is **Comfort**, **Energy Saving** and **User Experience**. Our 9025 Custom bedside Panel fulfil all of our priority thanks to its 10 backlit capacitive buttons, where each one of them can be configured to manage on/off commands, dimming, shutters and venetians control, scene recall and control, objects sequences etc; and can be fully customized with pre-sets icons or custom made icons to describe every possible command or scenario, making it super intuitive and easy to use. The product also includes 2 slots

for almost every type of sockets making it versatile, boosting the **comfort** levels thanks to the ease of configuration for all kinds of needs. Not to mention the 2 stage Room Temperature Controller with

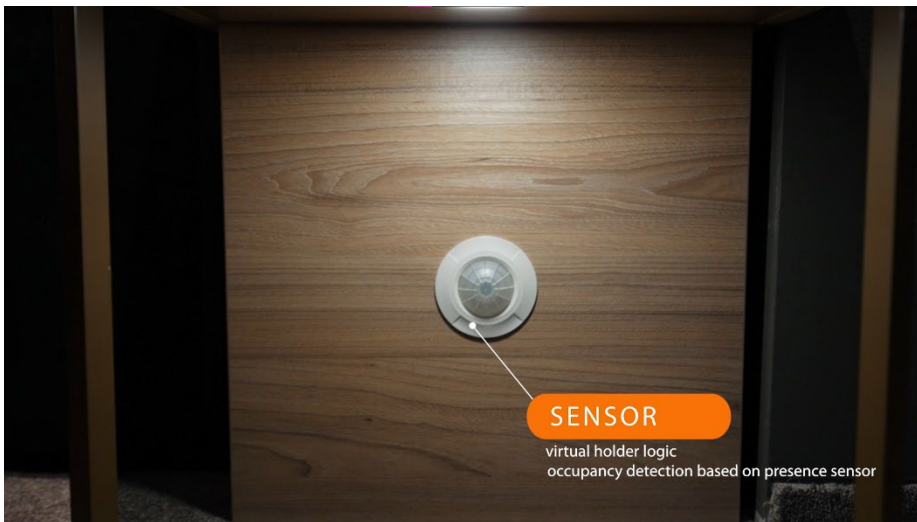


integrated PI to control heating and cooling equipment's, valves, 2 and 4 pipes fan coils, etc; Which combined to our 9025 Capacitive KNX Thermostat offers the optimal HVAC management system,



and all of that can also be controlled thanks to the 7 backlit capacitive buttons on the thermostat, where each one of them can be customized individually from its functions to its icons.

To improve even more the **users experience**, the device is equipped as standard with an RGB bar, to show the different operating modes or feedbacks and other values available over the KNX bus, and an LCD screen to show the room temperature. Giving the user all the information it needs just by a glance.



To complete the system, the Presence Detector Sensor is capable of identifying when a room is empty and in combination with other devices allows for a virtual holder logic capable to activate scenarios and shutting down all the

unnecessary systems, to improve the **energy saving**, or on the other end to activate scenarios and turn on all the system when a presence is detected. Plus it's equipped with a brightness sensor and a LUX detector.

The core part of an automation system is what is behind the scenes, where we have the actuators, controllers, gateways, interfaces and DIN rail modules.

Our top of the line F series actuators is the ultimate choice for any kind of needs, with a range that includes:

4 - 8 - 12 - 16 - 24 outputs

4 - 8 - 12 - 16 inputs/outputs

4 - 8 - 16 inputs



And to top it all off the Outputs and Input/Outputs all have a counterpart version with a microSD card reader where you can save the programming of the device, giving it the possibility to be restored on an identical device in order to avoid programming in field or to allow a fast repair in case of failure.

The KNX/DALI Gateway Tunable White forms the interface between a KNX installation and a DALI lighting system, essential to integrate at best the lighting management of the DALI to the KNX system

The router IP-KNX interface allows for a bidirectional communication between more KNX bus lines through a LAN network. If connected to a PC with appropriate software's it can act as a programming interface for the whole KNX bus system

Analog/digital interface module includes 4 digital inputs to interface dry potential contacts and 4 analog or digital inputs for dry contacts or temperature sensors and 4 led outputs.

The energy meters are MID certified devices which provides all relevant measures for the evaluation of an electrical network, which in a time where energy saving and eco sustainability is more and more important day after day, allowing the user to always have everything under control is a must, for reducing energy consumption.

Last but not least the power supplies allowing all the other devices to operate by generating bus voltage on a line. With integrated choke to decouple the power supply voltage from the bus.



This was a challenging project, but it brought amazing results, shown by the awards that the Hotel Mercure Timisoara received. One more huge congratulations from eelectron to all the people that worked on this project to make it happen.

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