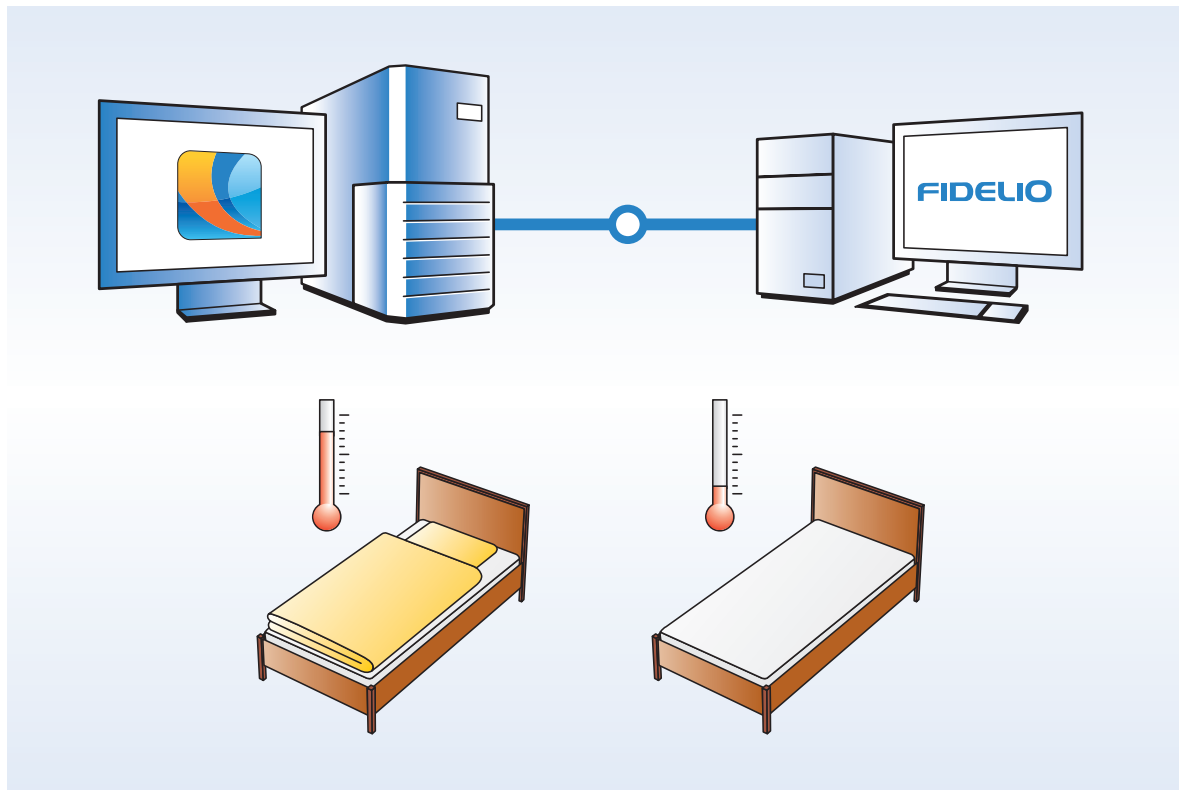


SM42 Fidelio Hotel Reservation System



Outline

The SM42 FIDELIO HOTEL RESERVATION SYSTEM software module is used in hotels to regulate the temperature in the hotel rooms, depending on occupation.

The FIDELIO HOTEL RESERVATION SYSTEM transmits the information for the occupation of the individual hotel rooms to the Neutrino BMS so that the occupied room can be heated and the temperature in the unoccupied rooms can be reduced. Thus, the energy consumption of the hotels can be optimized and the associated costs reduced.

The data exchange between the hotel management system and the Neutrino BMS is based on the "front office area", which was developed by FIDELIO.

Änderungen vorbehalten - Contents subject to change - Sous réserve de modifications - Reservado el derecho a modificación - Wijzigingen voorbehouden - Con riserva di modifiche - Innehåll som skall ändras - Změny vyhrazeny - Zmiany zastrzeżone - Возможны изменения - A változtatások jogát fenntartjuk - 保留未经通知而改动的权力

Characteristics

- The temperature of the hotel rooms can be regulated according to occupation to optimize the energy consumption of the hotel.
- Data can be exchanged between the hotel management system and the Neutrino BMS based on the “front office area”.
- The temperature of the hotel rooms can also be regulated based on the corresponding utilization times.

Function description

For the regulation of the temperature in the hotel rooms, the Z-contacts of the individual room regulators are parameterized as BMS data points. These individual room regulators are the DDC3000 automation stations, which communicate with the Neutrino BMS via FieldBusRegulators, Individual Room Regulators or LON Regulators with the network variables, e.g. “enumerated occupancy” and “binary state”.

If a hotel room is occupied, the “automatic” control state is switched on via the open Z-contact in the DDC3000 automation station and the room temperature is regulated according to the defined utilization times. If a hotel room is not occupied, the “night” control state is switched on via the closed Z-contact in the DDC3000 automation station and the room temperature is reduced.

The Neutrino BMS and the hotel computer communicate via a serial connection. This serial connection is established with the R232 interface and a null modem cable.

**NOTE**

For further information, see the Neutrino BMS manual, volume VIII, section “1.7.11 Configuring the Fidelio SM42 hotel reservation system”.
