

Healthcare Application



Sahlgrenska University Hospital Operating Theatre, Sweden

- Cost effective
- Latest technology
- Infection Control
- Energy Reduction
- Simplified operation
- Task Lighting

Requirements

The system is required has to provide control to various types of area such as operating theatres, 1 or 2 bed patient rooms, corridors and nurse stations.

The main client concern is the use of the system by various stakeholders and their specific needs:-

Patient: requires control of their individual environment at any time of day or night to meet their own needs without being a source of irritation to other room occupant.

Nurse: needs to temporarily “take control” of the patients environment to carry out routine or critical tasks such as; recording the patients vital signs, administering medicines or providing meal. At night the “take control” operates in the same way as daylight hours but will now provide specific low-level illuminance to allow the unobtrusive attendance of the patient.

Doctor: commences his rounds and selects a “Start round” push-button at the entrance to the patient room, to set adequate general lighting in the room, and simultaneously sets the bed lighting to the optimum illuminance level to allow the examinations or treatments to be carried out. A “Stop Round” push-button is selected on exit and all of the lighting returns to its previous levels, including the individual levels set by the patients.

Products



920 Imagine Router

Network processor device that provides interconnection of all DALI compatible devices to form larger systems, control of S-DIM loads and DMX output. On board time clock and conditional logic functions allows automation and complex tasks to be carried out. (Ref: IF00003, IF00004, & IF00011).



312 Multisensor

Ceiling mounted unit to provide occupancy detection. Also includes infrared receiver and light sensor to provide daylight harvesting functionality. (Ref: IF00002 & IF00005)



Membrane Panel

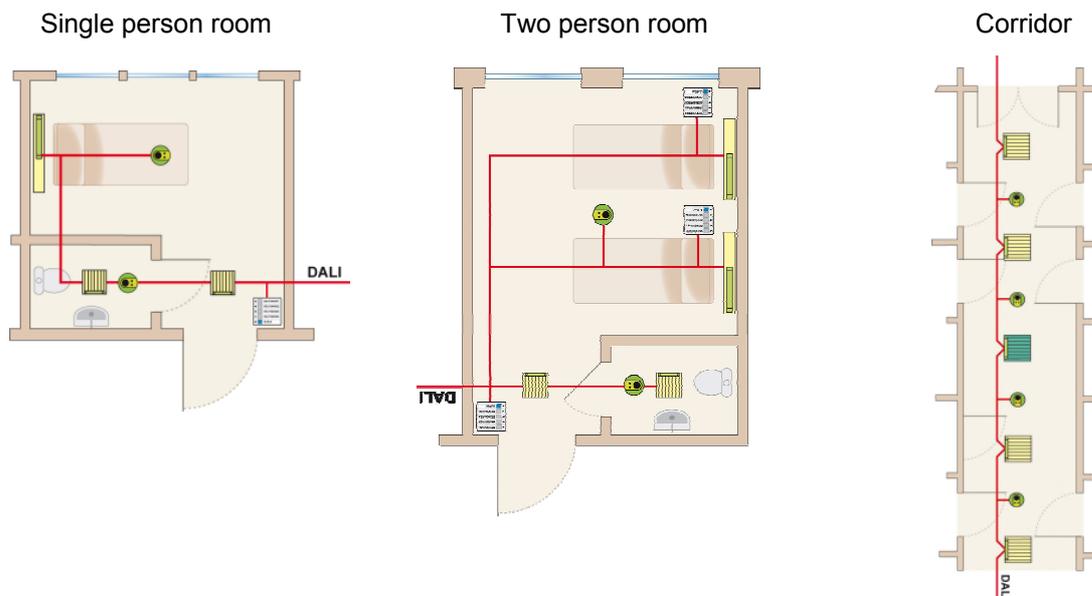
Specially designed membrane control panel supplied in a 5 button configuration and with label windows. The panel is specifically for use in "clean" environments such as hospitals or laboratories where infection and contamination control is required. The membrane features an "easy clean" surface, that is resistant to detergents.



DALI Ballast

Digital electronic ballast for T5 fluorescent lamps covering 14W to 80W. Ballast available as single or twin lamp types.

Wiring



Contact your local Helvar representative or visit us online at www.helvar.com
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