

World Innovation in

Lighting Technology



SENSO LUX[®]

For greater lighting convenience and energy efficiency.



SENSOLUX® – Energy efficiency due to state-of-the-art technology.

Modern, self-contained lighting controllers provide maximum flexibility and convenience while effectively helping to save energy. They set new standards in planning and reduce the cost of cabling. As a consequence your cost reduction is into double figures in percentage terms. Due to the high level of flexibility, changes such as the placement of additional sensors and actors, or the repositioning thereof, can be implemented at any time during operation. Requests for changes by the builder during construction can also be handled without difficulty. Operating sequences remain practically uninterrupted and dirt and noise emissions are insignificant.

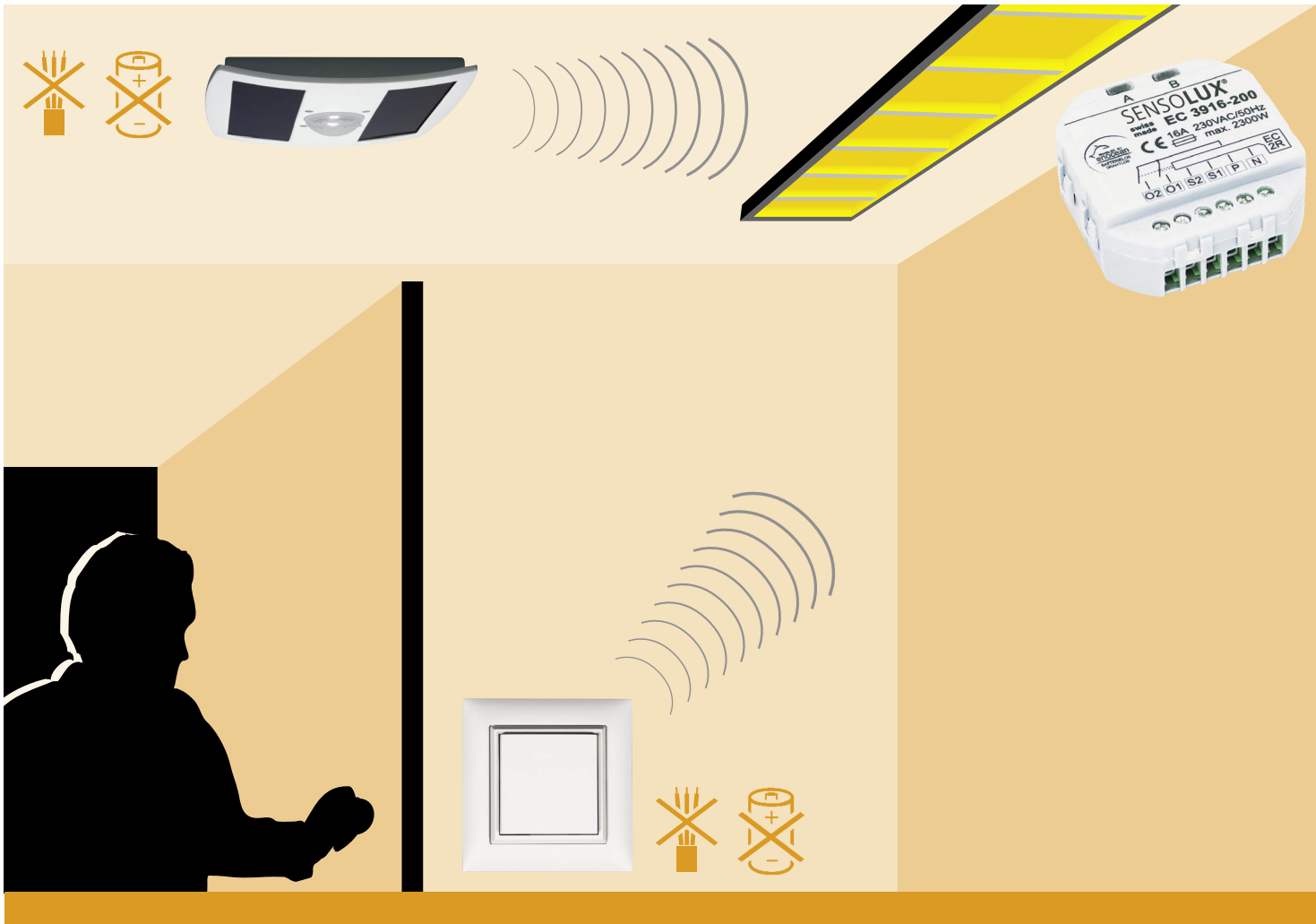
Function

When a person enters a room, the SENSOLUX® wireless presence sensor detects his/her presence and automatically switches the lighting on. The solar-powered wireless presence sensor detects movement and sends a telegram, in cycles, to the appropriate SENSOLUX® energy actor. The space-saving energy actor, which is

installed behind the existing light switch, receives the transmitted radio telegram and switches on the desired lighting. As soon as the last person has left the room, the energy actor automatically switches the light off again. Lighting can remain active after the last person has left the room in accordance with a freely adjustable time delay.



swiss+engineering



The energy-saving lighting controller – based on EnOcean wireless technology.

Multiple connections of wireless presence sensors on a single energy actor make it possible to cater for individual lighting requirements. Irrespective of presence status the lighting can also continue to be operated by means of all available installed light switches and with the widest variety of wiring schemes (0/3/6, pulse, etc.).

The existing installed light switches can also be combined and supplemented with multiple radio switches without difficulty.

There is great energy saving potential, too, in the fact that the lighting systems only have a switch-off function. The room user only switches the lighting on via the available light switch, or radio switch, when

he/she truly needs it. As soon as the person leaves the room the lighting is switched off safely and reliably via the SENSOLUX® wireless presence sensor.

The result is a new opportunity to increase the convenience of lighting systems and adapt to individual requirements. What's more, with the SENSOLUX® wireless presence sensor you also save valuable energy. |

Benefits and utility value of the SENSOLUX® equipment family:

self-contained

high flexibility and maximum convenience

easy

flexible planning and economic installation

innovative

wireless, battery-free, maintenance-free

low emission

100 times less high frequency emissions than conventional light switches

cost-optimized

- | no additional installation necessary
- | no installation work in masonry
- | dust-free retrofittable

Wireless technology

EnOcean technology / 868.3 MHz

teach-in

easiest possible allocation of SENSOLUX® systems using teach-in method

Coverage

- | in hall approx. 100 m
- | in open corridors approx. 50 m
- | in plaster and wooden walls approx. 30 m
- | in brick and concrete walls approx. 20 m
- | in reinforced concrete constructions approx. 10 m

Conformity

CE/EN60669-2-1



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