

ED-SENS

Č. výrobku 22154506

Multi-sensor for use with occupancy detector and IRTOUCH infrared remote control

Použití

The ED-SENS multisensor is a ceiling-mounted unit combining the functions of an occupancy sensor and a receiver for the IRTOUCH infrared remote control (part no.: 22 154 450). Up to 3 individually configurable remote-control groups can be incorporated in the DIMLITE and EMOTION systems.

Pokyny pro plánování

- The sensor is intended for use in the DALI-based LUXMATE DIMLITE, LUXMATE EMOTION and LUXMATE LITENET system. It does not work with other systems.
- Power is supplied via the DALI line.
- It can only be used with the IRTOUCH infrared remote control (22154450).
- When used in a DIMLITE installation: connect directly to the Control-IN input; commissioning is performed automatically by the AUTO-Setup function. The IRTOUCH remote control can be used to assign individual ED-SENS sensors to specific groups.
- When used in an EMOTION installation: EMOTION Touch must be used for addressing and commissioning (22 154 510)
- When used in a LITENET installation: connect the multi-sensor directly to a DALI line of the LM-3DALIS (22 154 455) or LITENET netlink (22 154 451). Use the IRTOUCH infrared remote control for commissioning (22 154 450).
- The sensor must be positioned on the ceiling so as to ensure that the workstation user's hands are in the centre of the sensor range and not hidden by the screen, the user's back, etc.
- The detection ranges of several sensors mounted side-by-side can overlap. Heat sources must be avoided within the detection range (printers, copiers, fax machines etc.).
- Switched lights, fan heaters, fans etc. and printers or copiers located in the detection range can trigger incorrect detection of a person in the room.
- The infrared reception range depends on the circumstances in the room. Reception characteristics are changed by reflections from bright walls, furniture or floors. Dark materials absorb infrared radiation.
- Infrared transmitters such as laptops, PDAs or mobile phones with enabled IR interface, as well as plasma screens may interfere with communication between IRTOUCH and ED-SENS.
- Current consumption equivalent to 4 DALI loads (8mA)



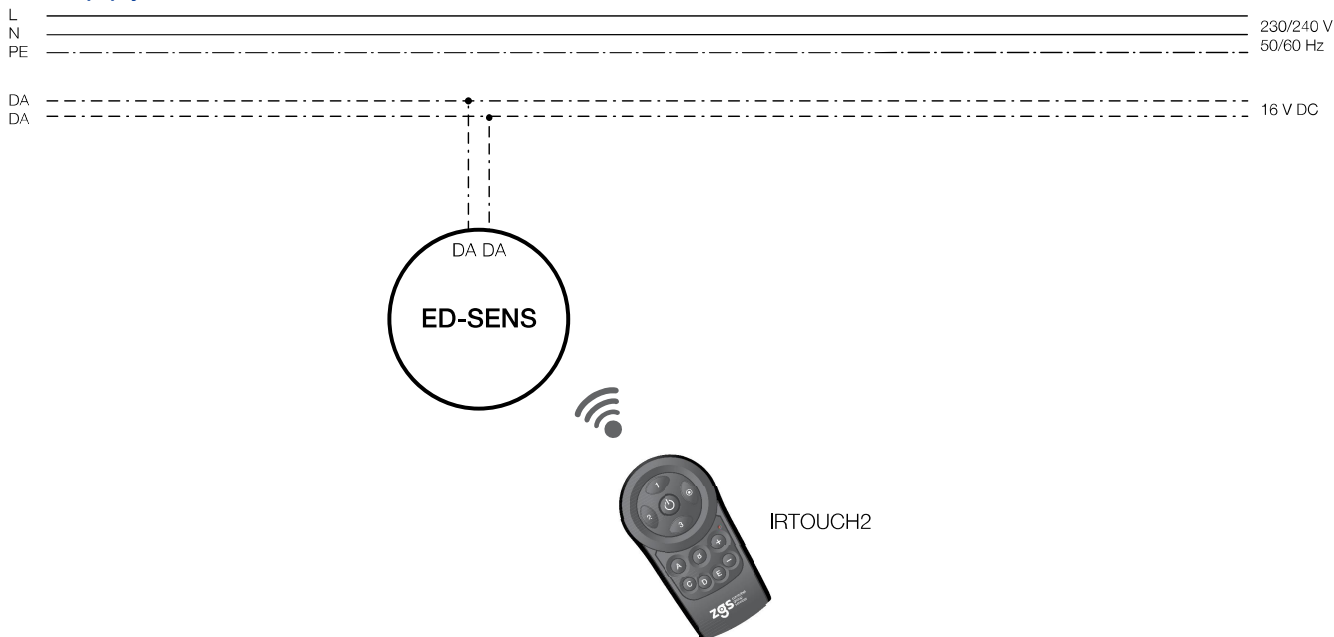
Popis funkce

The ED-SENS sensor detects

- whether or not people are in the room
- signals from the IRTOUCH infrared remote control (22154 450)

This information is passed to the higher-level light management control centre. In DIMLITE and EMOTION installations, the PIR and manual control functions can be used to run lighting scenes and to dim specific luminaire groups manually.

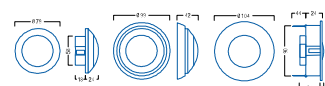
Schéma připojení



Pokyny pro montáž a instalaci

- Ceiling installation in Euro/standard box, single, includes accessories for surface-mount or recessed ceiling installation. External cable strain relief must be provided for connections.
- If the occupancy sensor is not mounted at the optimum height (2.5m), its characteristic will change. When mounted higher, its sensitivity is reduced; at a lower height its range is reduced.
 - Keep the lens away from direct artificial light and sunlight.
- For industrial applications, single-core shielded cable is recommended.
- Air convection in cavity ceilings can trip the occupancy sensor incorrectly. In such cases, insulate the ceiling installation location with wool or the like.

Rozměr



Technické údaje

Napájení	prostřednictvím ovládacího vedení DALI (16V DC)
Proudová spotřeba	4 zátěže DALI (8mA)
Vstupy	Ovládací vedení DALI
Detekce přítomnosti	pasivní infračervený 4 cestný díl
Rozsah sledování přítomnosti	kruhový tvar, Ø 8m pro kráčející osoby a Ø 6m pro sedící osoby, montážní výška 2,5m
IR rozsah příjmu	kruhový tvar, poloměr přibližně 5m pro přímý pohled
IR log	RSTEP, 38 kHz
Instalace	na strop (přisazením, vestavěním / vložením nebo do skříňky Euro, 1x, rozměry podle normy DIN 0606 (průměr 60mm, hloubka 42mm))
Svorkovnice	0,5-1,5 mm ²
Materiál tělesa	plast, bez halogenů
Stupeň krytí	IP40
Třída ochrany	Třída II (dvojitá izolace)
Čočky	Poly IR2
Dovolená okolní teplota	0 °C ... +50 °C
Relativní vlhkost	0–75 %, nekondenzující
Teplota skladování	-20→+70 °C
Hmotnost	Přibližná hmotnost 0.3kg

Štítek přístroje / přípojky

