PROFORT ENGINEERING

luxSpot

Overvågning af lys

Funktion:

luxSpot er en trådløs detektor med en indbygget lysføler til måling af lux-værdier. luxSpot benyttes udelukkende til at overvåge hvor lyst det er i et lokale. Hvert 4. minut sender luxSpot den aktuelle værdi for lux, og dette tal bliver logget i den centrale enhed.

luxSpot er tilpasset installation inden døre, og kan derfor ikke måle store lux-værdier man f.eks. opnår ved direkte sollys. luxSpot forsynes med et 3V lithium batteri.

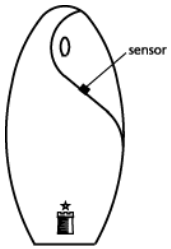
NB! luxSpot giver ikke generel alarm eller sabotage. Dog sendes alarm ved lav batteri.

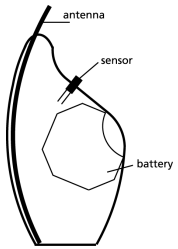
Montering:

luxSpot placeres i det lokale, den montre eller den lokation, hvor måling skal foretages. Det er vigtigt, at luxSpot placeres så højt og frit som muligt. Helst således, at den interne antenne ikke er "gemt" bag metal eller armeret beton, da dette mindsker rækkevidden væsentligt og helst således, at placeringen afspejler det generelle lysniveau i lokalet.

luxSpot monteres ved en gennemgående skrue eller ved hjælp af dobbeltklæbende tape. Skruen bores igennem det ovale hul og skrues fast.

NB! Følehovedet sidder lige under det ovale hul, derfor vær forsigtig ved montering.





Service og vedligeholdelse:

Hver 6. måned bør det undersøges, om luxSpot's sendeforhold er optimale. Dette gøres i den centrale enheds systemovervågning ved at tjekke antal signaler, luxSpot har afgivet, samt RF-signalstyrken, som skal være over 25%.

Ligeledes undersøges det, om lux-målingerne har de rette værdier.

Hvis signalstyrken er under 25%, bør de fysiske rammer, der kan forringe signalstyrken, reguleres. Samtidig tjekkes, at den centrale enhed kører med batteriovervågning, således at systemet modtager en advarsel, når batteriet er lavt.

For at se om luxSpot fungerer, undersøger man, om tal på målinger hvert 4. minut bliver registreret i systemets logbog. Dette bør foretages ved enhver mistanke om sendesvigt. Vær opmærksom på, at luxSpot skal være registreret som "overvåget" i systemet, hvis systemet skal give advarsel ved batterisvigt.

Virker luxSpot ikke, udskiftes batteriet. Hjælper dette ikke, udskiftes hele detektoren.

Batteriet udskiftes ved at løsne de 2 skruer bag på climaSpot. Batteriet løsnes forsigtigt med fingrene. Herefter isættes det nye batteri. Vær opmærksom på, at batteriet skal placeres, således at det ikke kommer i klemme, når låget sættes på igen. Batteriet skal vende med +pol op imod batteri clips. Vær opmærksom på, at antennen ikke kommer i klemme.

Bemærk: luxSpot sender den aktuelle måling på lux-værdien, og ændrer lysforholdene sig hele tiden, vil det afspejle sig i meget varierende værdier. Bemærk ligeledes, at det kraftigste lys luxSpot kan måle er 3500 lux.

Specifikationer:

Størrelse:	79 x 39 x 9 mm
Vægt inkl. batteri:	25 g
Spændingsforsyning:	Batteri 3V
Batterilevetid:	max. 3 år.
Temperatur:	÷10° - +55°C.

Nøjagtighed:

0-100 lux: ± 25 lux
100-500 lux: ± 100 lux
500-1000 lux: ± 200 lux
Mere end 1500 lux: ± 500 lux
Min lux: 0 lux
Max lux: 3500 lux

PROFORT ENGINEERING

luxSpot

Monitoring of ambient light

Function:

luxSpot is a wireless detector with 1 built-in light sensor for measuring lux values. luxSpot is applied exclusively to monitor the ambient light in a room. Every 4 minute luxSpot sends the current lux value, and these data will be logged in the central unit.

luxSpot is customized for indoor installation and therefore is unable to measure large lux values e.g. direct sunlight. luxSpot is supplied by a 3V lithium battery.

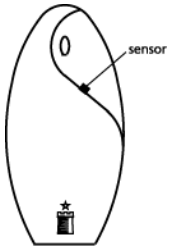
NB! luxSpot doesn't give a general alarm or sabotage. But luxSpot sends an alarm in case of low battery power.

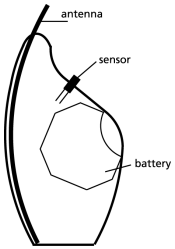
Assembly:

luxSpot is placed in the room or showcase where measurement of lux values is required. luxSpot must be placed as high as possible. Preferably in a way that the internal antenna is not "hidden" behind metal or reinforced concrete. This considerably limits the reach of the antenna. Also place the luxSpot in a spot, that reflects the general light level in the room.

luxSpot is installed by means of a screw going the whole way through the oval hole or by means of double-sided tape.

NB! The sensor is placed just below the oval hole, therefore be careful when mounting the detector.





Service and maintenance:

Every 6 months it is necessary to check if the transmission conditions for luxSpot are optimal. This is done in the supervision facility of the central unit by checking the amount of signals sent by luxSpot,as well as the RF signal strength. The RF signal strength must not be less than 25%. Also check whether the lux measurements have the correct values.

If the signal strength is less than 25% the physical conditions impacting on the signal strength must be regulated. Simultaneously it must be checked that the central unit monitors the battery supply, so that the system receives a warning in case the battery is about to expire.

To see if luxSpot functions it is necessary to check that the signals per every 4 minutes of measuring are actually logged in the system. This must be done if there is any suspicion of transmission failure. Be aware that luxSpot has to be registered as "surveilled" in the system in order for the system to give a low battery warning.

If luxSpot doesn't function the battery must be changed. If this doesn't help, replace the entire detector.

The battery is changed by loosening the 2 screws on the back of luxSpot. The battery is loosened carefully using the fingers. Then insert a new battery. Be aware that the battery must be placed in a way that it is not squeezed when the cover is installed. The battery must be turned with the +pol towards the battery clips. Take care that the antenna is not damaged.

Notice: luxSpot transmits the actual measurement of the lux value. If the lighting conditions around luxSpot are suddenly changed, this will be reflected in values that are highly variable. Also notice that the maximum ambient light measurable by luxSpot is 3,500 lux.

Specifications:

Dimensions:	79 x 39 x 9 mm
Weight incl. battery:	25 g
Power supply:	Battery 3V
Battery life time:	Max. 3 years
Temperature:	÷10° - +55°C

Accuracy:

0-100 lux: ± 25 lux
100-500 lux: ± 100 lux
500-1,000 lux: ± 200 lux
More than 1,500 lux: ± 500 Lux
Min. lux: 0 lux
Max. lux: 3,500 lux