

- >> Highly sensitive on human eye's sensitivity on wave lengths from 350 nm to 820 nm
- >> Four DIP switch selectable ranges: 0-500 Lux, 0-1000 Lux, 0-20 kLux, 0-60 kLux
- >> 0-10V output signal
- >> Easy installation
- >> IP65
- >> AC/DC operation

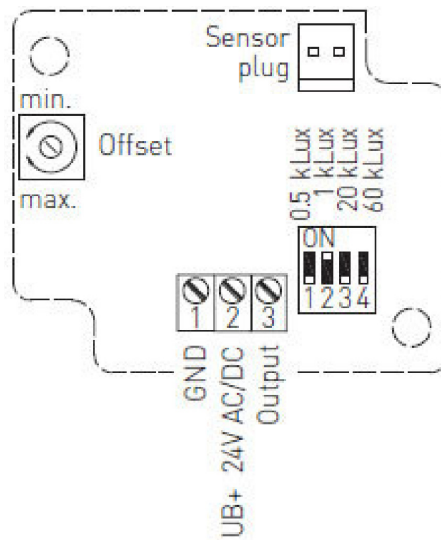
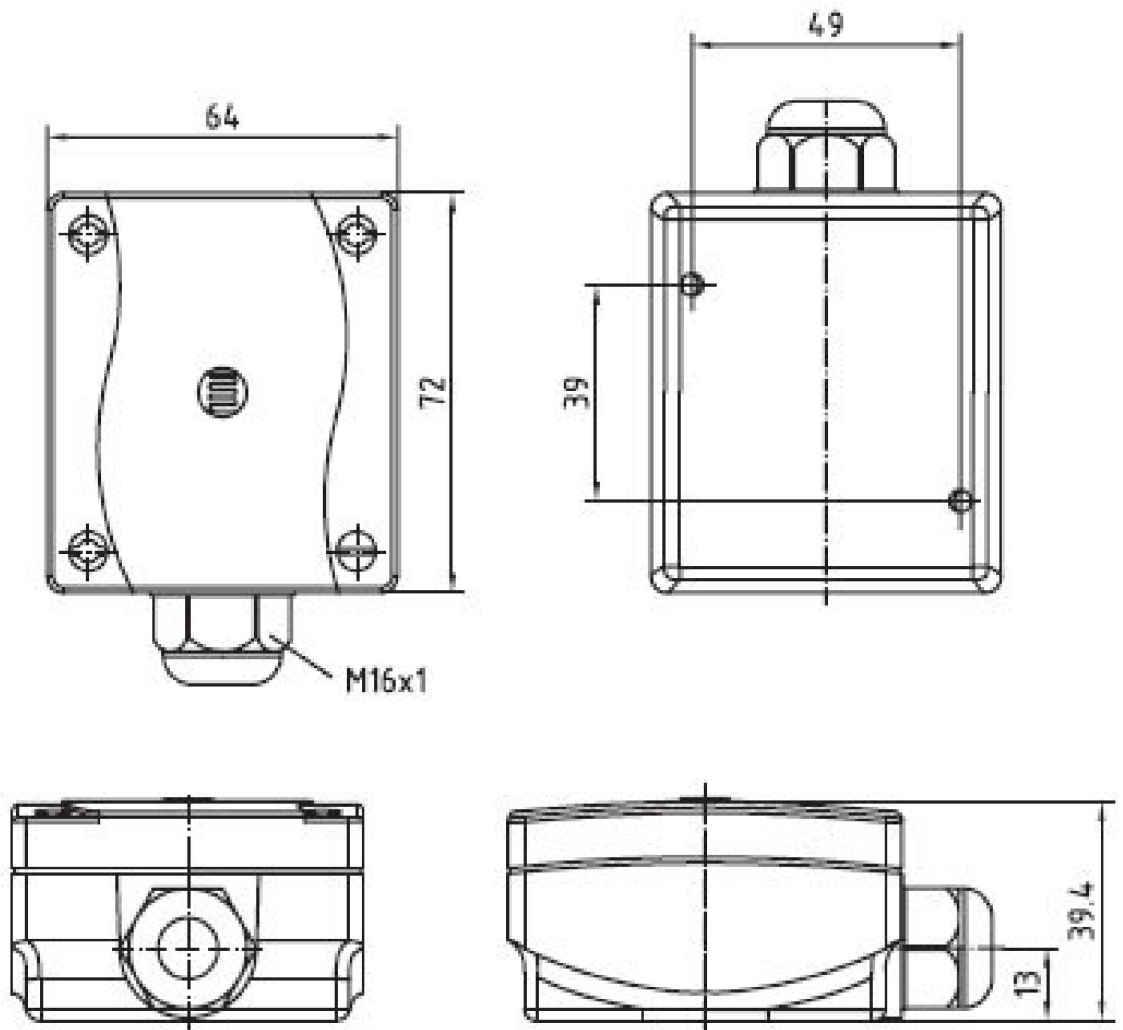


Outdoor lux level measurement

The FX-LXS-O outdoor illumination sensor uses an accurate and reliable photodiode with glass case that is specifically adapted to the sensitivity of the human eye. Its greatest sensitivity is in the range of 350 nm to 820 nm. Sensor has four switchable measuring ranges. Pure white plastic IP65 enclosure provides easy of installation and protection from the elements.

Technical features

Sensor type:	Photodiode with glass case
Measuring range:	0-500Lux, 1 kLux, 20 kLux or 60 kLux (via DIP switches)
Output signal:	Output 0-10 Vdc (linearised)
Measuring error:	< +/- 10% of final value
Operating temperature:	0 to +55°C
Power Supply:	24 Vac/dc
Current consumption:	Max. 10mA at 24Vdc
Termination:	Screw terminal block, 0.14 to 1.5mm ²
Temperature drift:	< +/- 5% of final value/ 10K
Enclosure:	Plastic, material polyamide 30% glass-globe-reinforced with quick-locking screws and cable gland M16 with strain relief
Colour:	Pure white
Dimensions:	72 x 64 x 40 mm
Protection Class:	III (according to EN 60 730)
Protection Type:	IP65 (according to EN 60529)
Standards:	CE conformity
	: Electromagnetic compatibility according to EN 61326+A1+A2
	EMC directive 89/336/EWG



Part number

FX-LXS-O

0-500Lux, 1 kLux, 20 kLux or 60 kLux (field selectable)