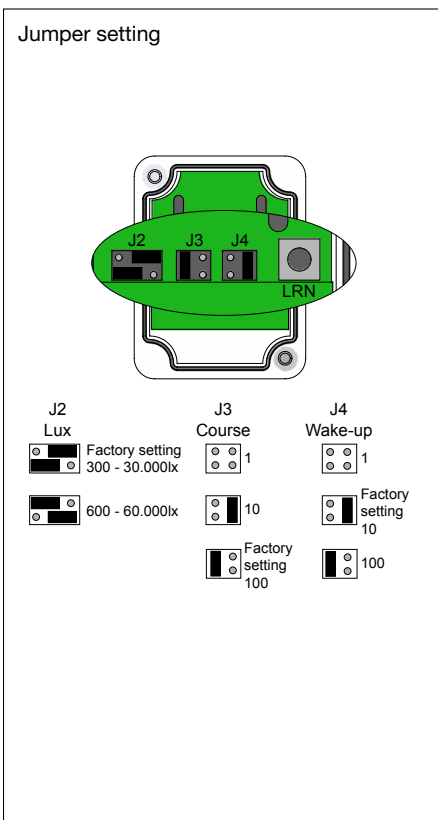


Wireless, selfpowered light sensor with EnOcean transmitter

- Powered through solar cells
- For outdoor usage
- EnOcean STM 100 transmitter
- 2 lux ranges:
 - 300...30.000 lux
 - 600...60.000 lux
- Unique address code via "learn mode"
- IP54



Technical data

Supply voltage	Two split solar cells + internal backup capacity
RF transmitter system	EnOcean STM100
Transmission frequency	868 MHz
Transmission output	<10 mW
Transmission rate at default setting:	Less than 4 steps: every 17 min
	More than 4-5 steps: Less than 10 s
RF distance (Range, see below)	Approx. 300 m (open space)
	Approx. 30 m (indoor)
Lux range 1	300...30.000 lux
	117 lux / step STM100
	PIN5 A/D0 (4LSB)
Lux range 2	600...60.000 lux
	234 lux / step STM100
	PIN6 A/D1 (5LSB)
Protection class	IP54
Ambient temperature	-20°C...+55°C

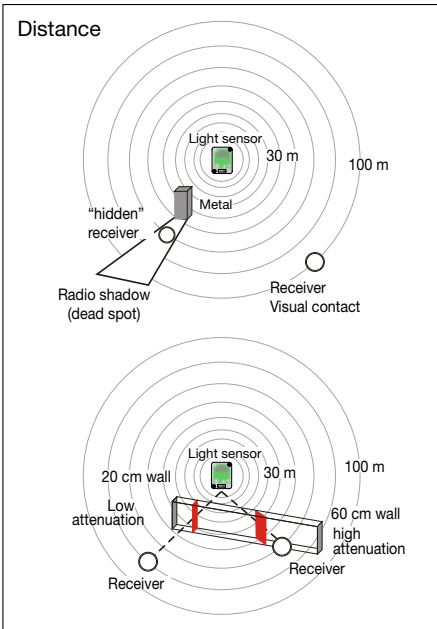
The wireless light sensor model 43-160 is a light sensor based on wireless technology. The light sensor transmits an RF telegram to a receiver module.

The light sensor measures the light level continuously and compares it with the RF telegram transmitted earlier. In the event of a change in the light level of more than 4 steps (1 step = 117 lx in the default lux range, otherwise 234 lx), a relevant RF telegram will be transmitted within 10 seconds.

In normal operation a current RF telegram will be transmitted approx. every 17 minutes.

The light sensor is designed to be installed outdoors on a typical façade wall. We recommend installation higher than 2.5 meters in order to reduce inconvenient lighting, distracting shadows, vandalism, etc.

As the power supply is generated by the internal solar cell, the light sensor must see a minimum of 400 lux for more than 5 hours, in order to have sufficient energy to transmit the necessary RF telegrams (for example throughout the night).



Order number

Product	Type	EAN no.
Light sensor wireless	43-160	5703102 201836