

The Opto Edge Low-Power-SIGNAL sensors for industrial doors, chooses the output frequency automatically according to the respective conditions. For a lower current consumption in battery mode the output frequency will be reduced to 400Hz. This results in more life for the batteries. The wireless transmitted safety signals will be processed in the control module which then gives out the required output frequency for the door control. With a direct connection of the opto edge Low-Power-SIGNAL to the door control, using the spiral cable, a standard output frequency of typ. 900Hz will be created. This is essential to assure compatibility to all common door controls on the market. In the area of energy efficiency and integrated diagnostic function the Low-Power-SIGNAL sets new benchmarks.

- Automatic operating mode recognition spiral cable/battery
- Extremely low current consumption
- Integrated diagnostic system with a visual display
- LED indicator for switching state
- Larger gate-width possible
- Less sensitive to wind load and bending
- High electromagnetic interference immunity
- Resistant against voltage reversal and short-circuits
- Regulated transmit power
- Compatible with all common door controls
- 3/12VDC

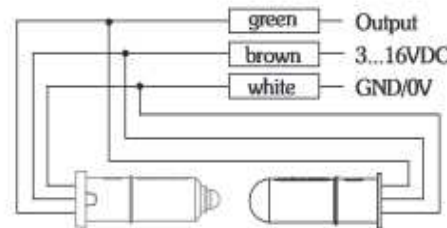
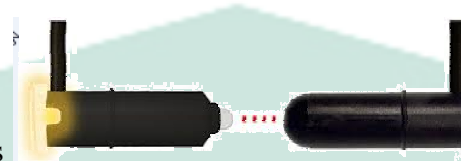
**Declaration of conformity**  
EMC directive 2004/108/EEC  
EN 61000-6-2 and EN 61000-6-4  
Safety devices for power operated  
doors and gates  
EN 12978



# Optical Safety Edge

## Feature List

**Warning-** Read these instructions fully before use, Installation should only be carried out by a COMPETENT Installer



### Technical data

Range	1...12m
Operating voltage	battery mode: 3...6V spiral cable mode: 9...16V resistant against voltage reversal and short-circuits
Current consumption	battery mode: typ. 1.6mA spiral cable mode: typ. 3.8mA
Output	transistor output max. load 20mA, short-circuit proofed
Output signal	rectangular signal low level 0-0.5V high level 2.5-4V
Output-frequency	automatic recognition battery mode: typ. 400Hz spiral cable mode: typ. 900Hz
Type of light	infrared, 880nm pulsed
Diagnostics display	yellow ring-shaped LED for safety edge diagnosis
Operating display	yellow ring-shaped LED LED switched on when safety edge is triggered
Housing material	Transmitter, plastic PA6 Receiver, Lexan, IR transparent
Wire	3x0,14mm <sup>2</sup> , ø 3,4mm, PUR, halogen free, acid- and oil-resistant
Degree of protection	IP 67 according to EN60529, filled with epoxy resin
Operating temperature	-25°...+75°C
Storage temperature	-25°...+85°C
Weight	approx. 21g with 1m cable approx. 155g with 10.5m cable
Size	ø12x39mm