



# RAYBASED

## Smart Reader

Wireless monitoring and control.

The Raybased Smart Reader enables wireless monitoring and control of all key electrical systems and components in a building. The Smart Reader is an alternative to the Smart Controller when energy measurement and control of loads is not needed. Because of its very small size, it easily mounts behind wall switches, power sockets, in junction boxes or inside light fixtures. Being wireless makes it much easier and quicker to install than any other controllers. These smart devices are wirelessly programmed and configured before or after installation. They can be locally or remotely updated with new functionality at any time, as needs change or when installation must be expanded. This makes them infinitely flexible and perfect for retrofitting in existing buildings without any rewiring.



## Features

- Reads eight inputs, which can connect to various switches.
- Can be mounted in very restricted spaces due to its compact size.
- Over the air updates of software and configurations.
- Reports on operating conditions and faults for efficient management and maintenance.

# Specifications

## Standards

- CE approval
- Electrical testing acc to EN 60730-1:
- EN 61000
- ETSI EN 301489
- EN 55016
- ETSI EN 300328

## Power / Performance

- Operating voltage: 100 - 250V ~ 50/60 Hz.
- Typical power consumption: 0,36W.

## Communication

- Communicates in the 2,4 GHz band using a highperformance, ultra high reliability protocol.

## Environment

- Climatic withstand according to EN 50491-2
- Ambient operating temperature: -20 to +35 Centigrade.
- Maximum 90% non-condensing relative humidity.

## Inputs

- Eight inputs allowing connection to any type of external switch.
- Switch should close to ground i.e. neutral phase. Contact current 1 mA.

## Connections

- Power and neutral: Multi core wire 1.5 mm<sup>2</sup>, length 15 cm.
- Switch inputs: Eight pole push-in connectors for 0,5 mm<sup>2</sup> single core cable. Suitable cable can be delivered separately.

L: Phase. Must belong to the same group as Neutral

N: Neutral