

...only for electronic professionals...

Waste of energy can be avoided !

With the innovative, battery free solar radio occupancy detector "eagle PM101" Omnio is offering a new solution for lighting and HVAC control

Energy is becoming more and more expensive - it pays to efficiently control and regulate lighting, heating and ventilating. Conventional solutions using wired occupancy detectors are time-consuming and costly in planning and installation.

With the battery free and maintenance free solar radio occupancy detector "eagle PM101" made by Omnio it is possible, for example, to install a occupancy-dependent lighting control in an office in 30 minutes. Energy savings of up to 10 to 40% are possible, so that new or subsequent installations pay off within two years. Thereafter, you will save real money and you do something against the waste of energy.

The solar radio occupancy detector "eagle PM101" is equipped with a solar generator which converts the interior room light into electrical energy. The "eagle PM101" can be used without any problems if there is a minimum light intensity of 200 Lux for at least 8 hours a day at the site of installation. At full charge, the energy storage suffices for operation of up to 60 hours in complete darkness. The device includes a radio switching channel for lighting with integrated light intensity sensor and a radio switching channel for heating/ventilating; therefore, it can be employed for all applications requiring energy efficiency

The solar radio occupancy detector "eagle PM101" is a device that is part of the comprehensive, battery free Ratio® radio bus system. Through a simple learning procedure, the device is assigned to one or more actors which will then turn the electrical consumers on or off depending on light intensity and room occupancy. The Ratio® radio bus system significantly simplifies electronic installations, supports many useful functions, increases operating comfort and security, reduces operating expenses, is environment-friendly and extremely economical.

The devices of the Ratio® radio bus system and the solar radio occupancy detector eagle are available from:



There are many areas of application, in new construction, reconstruction or renovations of:

- apartments / single family homes
- commercial buildings / stores
- office buildings / kindergartens / schools
- landmarked buildings

Your advantages:

- ✓ Simple planning
- ✓ Ratio® installation
- ✓ Low installation expenses
- ✓ Less hard work, less dirt
- ✓ Less cable, less electro smog
- ✓ Safe radio transmission on 868,3 MHz
- ✓ Freedom of design, e.g. switches made of glass

Omnio News

Radio Bus System Ratio®

Radio Occupancy Detector "eagle PM101" battery free | wireless | maintenance free



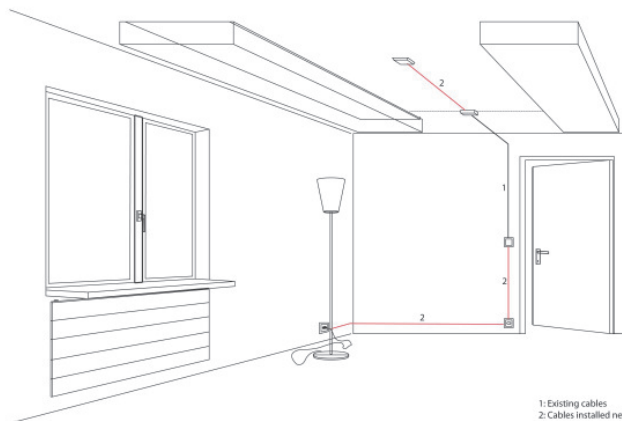
omnioRATIO®

Optimum solution for subsequent installation - for example, in a office:

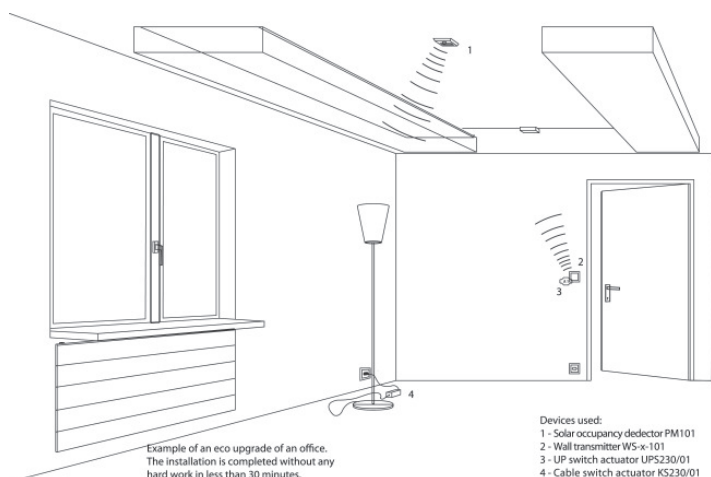
For a ceiling lamp that is turned on and off using a switch, the builder-owner is looking for a solution that turns off the lighting and, in addition, the floor lamp as needed.

Conventional solution:

Installation of the occupancy detector on the ceiling and of a time relay with switch-off delay in a socket, e.g. close to the switch. Replace the switch by a push button, install additional cables and wire the time relay and the push button. Cost of work and material: ca. Euro 750.00



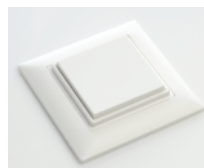
1: Existing cables
2: Cables installed new



New solution by Omnio:

- ✓ Installation of the wireless and battery free occupancy detector "eagle PM101" on the wall or the ceiling.
- ✓ Replacement of the existing switch by a radio wall transmitter and installation of a switch actuator in the switch casing or near the lamp.
- ✓ The floor lamp is simply switched on and of using a cable switch actor which just has to be plugged into the wall outlet.

Cost of work and material: ca. Euro 500.00



Designation	Type	Article number	E-number (CH)
Ratio®-solar-radio occupancy detector	eagle PM101	2902 000	
Ratio®-radio wall transmitter	WS-CH-101	1151 153	207 101 009
Ratio®-radio hand transmitter	R101-sw	1281 150	204 014 359
Ratio®-radio UP switch actuator 13A	UPS230/01	3101 000	304 150 009
Ratio®-radio cable switch actuator 13A	KS230/01	3150 000	