

# microBOX 12A

## POWER REDUCER

microBOX 12A is a low-power reducer designed to work in lighting networks,

in which it is possible to reduce power consumption by reducing the voltage. microBOX 12A regulator is the smallest reducer on the market. Thanks to small dimensions and low weight it will fit in almost any lighting cabinet.

The device uses the transformer method of lowering voltage and at the same time power, allowing up to 40 percent energy savings. microBOX 12A does not introduce harmonic distortion and does not adversely affect the work of lighting.

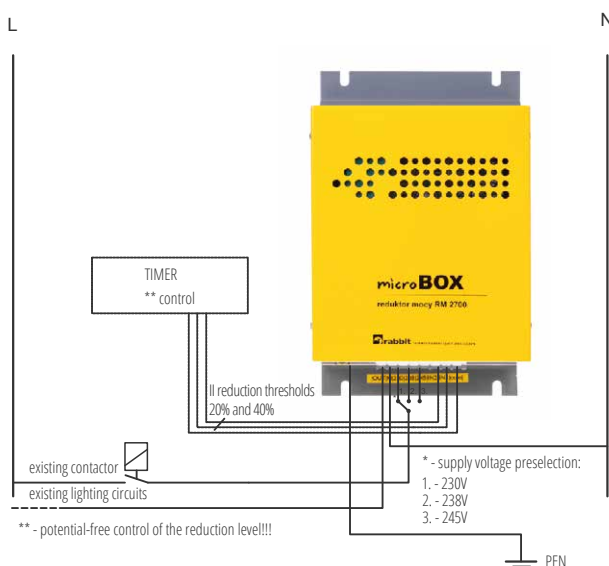
microBOX 12A is used where it is possible to reduce illumination intensity at certain times e.g.: on the streets, stadiums, railway stations and parks.



## FEATURES OF THE DEVICE

- Voltage optimization of street lighting network
- available 1- and 3-phase versions
- adjustable power reduction level of 20% or 40%
- possibility to activate or deactivate reduction at any time
- lack of harmonic distortion
- automatic bypass of the device in case of power failure or damage
- control by any CPA series astronomical programmer or any timer
- possibility to choose voltage on the terminal block
- 3 LEDs on the front panel of the device, indicating the status of work
- possibility to use in cable networks, overhead lines, for external and internal lighting
- environmentally friendly device - by reducing power consumption it reduces CO<sub>2</sub> emissions
- innovation, reliability, easy operation
- high economic efficiency - reducing costs up to 40%

## WIRING DIAGRAM



## TECHNICAL SPECIFICATIONS

- supply voltage: 230, 238, 240 V, 50Hz
- output voltage: 230 V - 180 V
- size (width / height / depth): 140 x 215 x 125 mm
- capacity range up to 2.5 kVA for a 1-phase and up to 7.5 kVA for 3-phase
- outputs current capacity: 12 A
- 1<sup>st</sup> reduction level by 20 %
- 2<sup>nd</sup> reduction level by 40 %
- operating temperature: from -40°C to +40 °C
- protection degree: IP20
- installation in the lighting cabinet and on the board
- weight 4.7 kg (for one phase)