

APC-LED ZHAGA

AUTONOMOUS TIME RELAY
IN THE ZHAGA STANDARD

APC-LED ZHAGA is a microprocessor-based time relay designed to control the power of a single LED street light fixture.

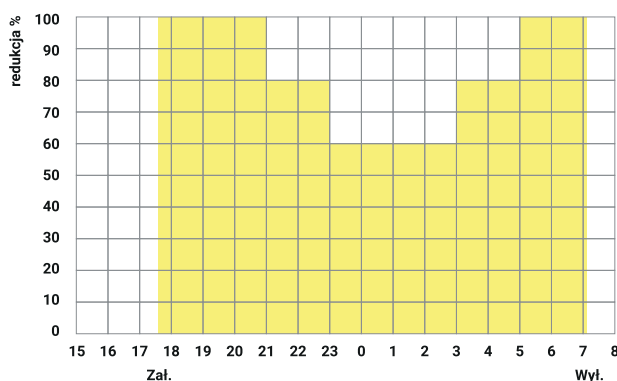
APC-LED ZHAGA is designed to control LED power supplies for lighting fixtures with a built-in Zhaga standard dimming circuit. A unique feature of the system is the ability to determine the current time based on the history of switching on and off. The start time of full or partial power reduction and its duration are set with a resolution of 30 min. Switching in luminaires fed from a single line is simultaneous with seconds of accuracy.

Relays enable temporary reduction of luminous flux in various types of LED luminaires; all that is required is a Zhaga standard socket. The system has 10 factory-programmed reduction profiles and one additional profile that can be programmed according to user requirements.

10 fixed reduction profiles contain a selection of combinations for up to 15 time intervals with set power, with 5% resolution. The set of 10 reduction profiles was designed by a team of experienced engineers from Rabbit. For each profile, the savings that can be achieved on an annual

EXAMPLE REDUCTION PROFILE

Annual savings **20,49%**



basis have been calculated and given as a percentage. The reduction profile is selected by applying the appropriate sequence of three switching on and off of the lighting circuits. Each controller is equipped with a list of available profiles. This solution allows you to change a previously selected profile using the CPAnet and midiBLUE systems.

PROPERTIES

- no control line
- no clock and no internal battery
- ability to change settings in all luminaires simultaneously
- signaling of the operating status for service purposes
- programming of the relay remotely via internet
- programming relays using the CPAnet and midiBLUE systems
- up to 15 reduction time slots with an accuracy of 5% across the entire power range
- maintenance-free and easy to install
- environmentally friendly - reduced CO2 emissions due to reduced power consumption

TECHNICAL PARAMETERS

- power supply voltage: 24 V DC (Zhaga standard)
- device dimensions (height/diameter): 30 x Ø 48 mm, (mounted in a Zhaga socket in the LED luminaire housing)
- outputs: DALI standard (Zhaga)
- power consumption: 0.1 W
- operating temperature: from -30°C to +80°C
- protection: IP66