

INTELLIGENT POWER REDUCTION DRIVER

AST
SYSTEM

AND ASTRONOMICAL CLOCK WITH BUILT – IN GPS
IN ONE DEVICE.

ASTdim GPS



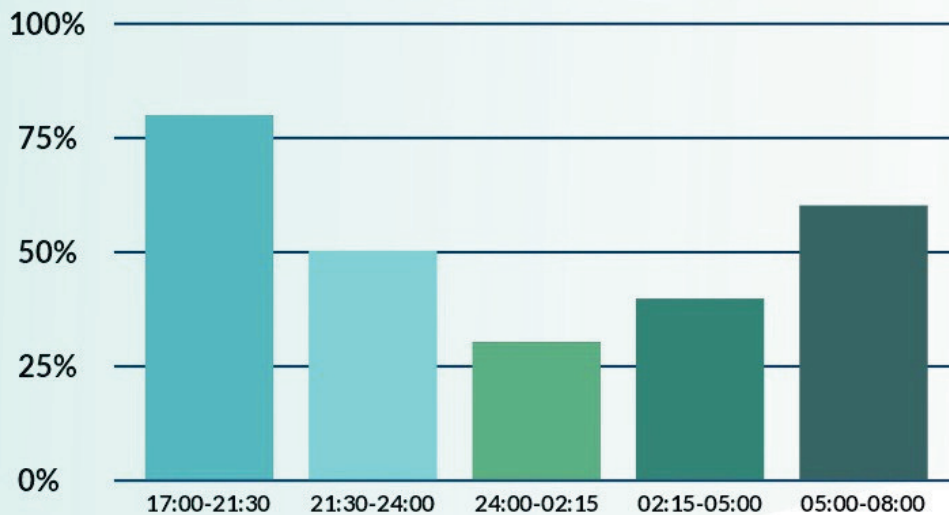
ASTdim GPS driver is designed for installation in luminaires equipped with ZHAGA socket. ASTdim GPS enables intelligent management of luminaire power over specified periods of time which significantly reduces energy costs while maintaining comfort. ASTdim GPS can also independently switch the luminaire on, at sunset and off at sunrise. The driver is equipped with a GPS module and a real-time clock, so that the power reduction operate according to the programmed hours even when the night break is set on the line control programmer in the cabinet. Time in the driver is automatically synchronized from the GPS module. ASTdim GPS can also be programmed as an astronomical clock which will allow for continuous operation of the luminaire (powering the luminaire 24 hours a day)

The driver is equipped with two control interfaces: DALI and 1-10V. Up to five power reduction intervals can be entered into the device. Each interval consist of reduction on/off time and power level. ASTdim GPS has a control input to connect other devices, such as a motion sensor, which will return work of the lamp to 100% power.



The driver is programmed using the power on/off sequence. Change of reduction intervals can be conducted using ASTmidi drivers with a mobile application next to the lighting cabinet or remotely with the ASTgsm driver using the www interface.

An example of a change in luminarie power over time periods

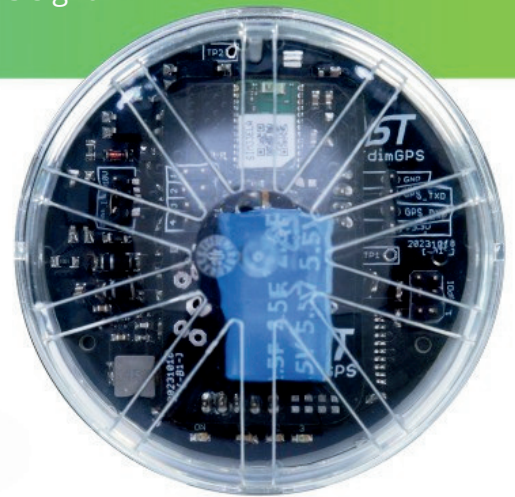


PROPERTIES

- luminaire power reduction according to selected time intervals
- real-time clock built-in
- clock operation support by supercapacitor up to 30 hours after power failure
- working as astronomical clock
- possibility of applying corrections to switch-on/off times
- automatic time synchronization according to the GPS signal
- automatic change of summer/winter time

TECHNICAL SPECIFICATIONS

- GPS built-in
- DALI / 1-10V control interface
- trigger input: voltage free
- 5 power reduction intervals
- power level resolution: 10%
- resolution of input intervals: 15 minutes
- degree of protection: IP 67
- installation: ZHAGA connector
- energy consumption : 0,5 W
- working temperature: -30°C to +80°C



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