

STREET LIGHTING CONTROL SYSTEM

ASTgsm

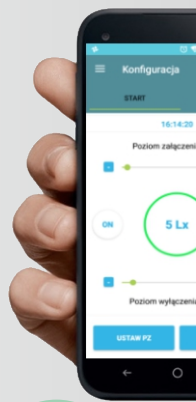


The ASTgsm driver is designed to control street lighting in any street lighting cabinet. The driver allows you to control six lighting circuits, switch-on/switch-off times depend on the GPS location of the driver. Switch-on time can be corrected using the offset correction function for summer and winter.

The driver has 3 NO-inputs to connect additional signals, such as a light cabinet opening sensor signal. ASTgsm has also one analog input for connecting a light sensor to manage a single driver or group of drivers. The ASTgsm driver has a built-in GPS receiver, which enables automatic synchronization of the driver's time and geographical position.

The driver can be operated in two ways – using GSM and a dedicated web application as well as using WiFi connection and a dedicated mobile application for devices with android system.

The driver can also be connected to the network analyser, so that it will be possible to read parameters such as: electric current, voltage, power, energy consumption and alarm analysis.



GSM communication

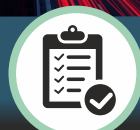


installation and programming in one hour

ASTgsm – properties of the driver

- can be operated via a dedicated web application in RWD technology adapted for use by computers and mobile devices
- can be operated via a dedicated mobile application for devices with android system using the WiFi connection
- securing access to the driver with a login and a password in the case of the web application, or WPA/WPA2 password in the case of the WiFi connection
- simple plug-and-play installation (the driver connected to the power supply automatically begins to work with the newly connected system, it only needs to be assigned to the user account)
- establishing a connection with the driver and saving any parameter in less than 3 seconds in the case of the web application while in the case of a mobile application in less than 1 second
- possibility of running the web application on a physical server or a cloud server
- connection-oriented model with a server, no need of using SIM cards with a public IP address
- GPS time synchronisation
- switch-on/switch-off time corrections (approximately 240 minutes)
- automatic driver localization on the web application map
- LEDs on the front panel indicating the state of inputs/outputs and status information of the driver
- extended variety of rights, such as administrator, user, observer and the possibility of creating subaccounts within the account
- built-in alarm handling system for such alarms as: power failure alarm, input circuit state change alarms, network parameters alarms such as exceeding electric current or exceeding power, etc.
- archiving alarms and network parameters on the server
- global switch-on of groups of drivers on the basis of lighting intensity
- automatic summer/winter changeover (can be deactivated)
- summer/winter switch-on corrections
- 6 independently programmable outputs allowing to enter up to 4 switching intervals (3 night breaks)
- service output switch-offs (for 1/10/30 minutes or permanently), remotely or with the driver buttons
- SMS communication channel enabling configuring the driver and executing basic activities such as service switch-on/switch-off etc.
- recording of changes in the status of outputs in the driver's memory (50 records), and on the server (unlimited number)
- APIs integrating the system with other open systems
- SMS control commands of a selected sports facility

good choice



Technical specifications

- power supply 100 - 240V AC
- less than 3W energy consumption
- 6 relay outputs, switching capacity 5A
- 3 NO-inputs to connect any signals, e.g. light cabinet door opening sensor, voltage analysis on circuits, etc.
- 1 input to connect a precise light sensor to manage a single driver or a group of drivers
- 1 digital input to connect an expander, e.g. for Ethernet communication, input/output expander
- 1 RS485 input to connect an intelligent network analyser with MODBUS communication
- 1 input to connect the battery to maintain power supply
- 2 buttons for servicing the driver
- communication via standard open communication protocol GPRS TCP/IP
- WiFi communication with a mobile application
- 2 MMCX connectors for GSM and GPS antennas
- 6 DIN-rail mounted modules (+1 battery module, +4 network analyser modules)
- operating temperature: -30°C to +70°C
- degree of protection: IP 20



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Innovation
we set trends on
the street lighting
market



Functionality
we introduce
modern drivers
to the market



Experience
we have been
on the street lighting
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