



Features

- 2 way communication with server
- GNSS with accurate time sync
- 2.2" Colour LCD and keypad
- Internal web-server for setting
- Battery backup
- 3 independent outputs for relays control
- 2 isolated digital inputs
- LAN with PoE
- Stand-alone timer with sunrise sunset time
- Modbus for energy meter integration

The AG-911 is gateway for Central Control and Monitoring System specially designed for street light control panels. It supporting two-way communication with server and stand alone timer with sunrise and sunset timings. Support 16 on/off period within 24h and auto configurable sunrise/sunset timer based on location. AG-911 has battery backup and modbus RTU interface to communicate with energy meters. AG-911 has 4 option of setting: internal website, SMS, setting file from URL and string from server. It

has RTC with accurate time sync form GPS and if not available it can update time from from GSM network.

Gateway is for use in street light control panels and other application where is needed to control accurate on/off time. AG-911 can be direct controlled remotely from server or via SMS.

AG-911 has 3 open collector outputs for 3 relays. Every output can be controlled by separately time setting.

Description	Parameter
Processor	ARM
Storage	8Mb internal memory
System	Atreyo OS
Connection	RJ45 - Ethernet
	RS485 opto-isolated (model AG-911)
Output	3 digital outputs. Open collector type. Max load 500mA continuous on every output.
Digital Inputs	2 digital inputs. 4-24V
GPS/GNSS	GPS for location and time setting L1 Band Channel: 22 Track., 66 Acq. Antenna: active external antenna
GSM/GPRS	Quad-band

Description	Parameter
Battery backup	class 12/10
	SIM card 1.8V/3V
	GPRS class 12
Setting Configuration Options	Internal battery for backup in case of disconnection from power source with charging control and thermal protection.
	By inbuilt website
	By command from server By SMS By configuration file on URL
Communication with server	GSM
Communication protocol	TCP/IP and JSON (JSON only for Modbus data)
Security	SSL (on GSM connection)

Description	Parameter
	Mobile number filtering
Powers Supply	12-24V DC
Power Consumption	3W average (with output relays off)
Cooling	Passive
Device enclosure	Aluminium Size: 90×144×22mm
Device mounting	Mounting clamp or DIN rail
Other functions	Inbuilt buzzer RTC with separate battery

Description	Parameter
Display	2.2" full colour LCD with information about: GSM signal, active output, battery charging status, timers settings, actual time, GPS connection.
Special functions	External high-gain antenna support
Environmental Specifications	Operating Temperature: 0 to +70°C Humidity: 5% to 95% RH

- Relay output is operational only if the external power supply is provided.
- There is some delay in displaying ABC outputs ON/OFF indication.
- LAN connection is only for setting device via internal web.
- The AG-910/911 has PoE facility. Ensure relay load to maximum 300mA if use in PoE power supply
- The AG-910/911 has reverse polarity protection. In reverse polarity gateway shall not work.
- AG-910/911 store log of measurement in internal memory in the case of connection lost.



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Atreyo Research & Development LLP

+91 9727741417
info@atreyo.in

414, Sunrise Mall, Mansi Circle, Vastrapur
Ahmedabad 380015, India