

2G and 3G remote Gate controller ESIM120/ESIM320

Monitor, open, operate doors, gates, barriers using call, text or apps



Certifications



What is ELDES gate controller?

ELDES gate controller is a remote GSM and GPRS device, switching two relays upon configured scenario. Relays are being activated by authorized voice call, text message or mobile application (iOS and Android). ELDES gate controller was specifically designed to operate barriers and garage doors. ELDES gate controller comes in 3 different GSM versions:

- ESIM120 is 2G, EU;
- ESIM320 3G/2G EU;
- ESIM320US 3G USA.

Gate controller by default comes with ELDES box casing, but it also can be acquired with IP66 and DIN-rail enclosures.



How ESIM120/ESIM320 operates?

Gate controller has 3 inputs to monitor the state and 2 relay outputs to control the appliances, using SMS, Call, mobile APP or [widget](#). Device input status can be provided by a SMS message or a phone call. Includes scheduler, event counter and remote user database management using [ELDES configuration tool](#), SMS message or [ELDES Cloud](#). With ELDES Cloud functionality you can set up your client database online, which makes it valuable for small business use.

Most popular ELDES gate controller application – entrance barriers and garage doors. First, user database has to be sent to the device (locally or remotely). Authorized users then can trigger relays' output, using call, text or mobile applications. If user mobile number is recognized in the database, relay is being triggered.

There are many possible applications for ESIM120 and ESIM320 – water pumps, valves switching and monitoring, industrial heating, computer server restarting – to name a few.

Where gate controller can be used?



Parking entrance control



Gate control of private areas



Electrical appliance control: lighting, watering, pumps, etc



Remote server, network reboot.

Main features

Manual output control by free of charge phone call. Automatic output control in accordance with the scheduled time.

Configurable output pulse duration and automatic date and time synchronization.

Up to 5 administrators for system configuration by SMS text messages, acceptance of input alarm SMS text messages, output control by SMS text message and free of charge phone call.

Internal user database capacity – up to 2000 users for output control by free of charge phone call.

User phone number validity limitation in accordance with a set deadline (date/time) or number of rings to the system.

Output control restriction for users in accordance with the specified weekdays and time.

Event log of 1000 events containing date and time as well as administrator/user phone number and user name who controlled the output.

3 inputs with customizable alarm texts for notification on gate state or in case it gets jammed.

Periodic self-test notification by SMS text message to administrator phone number.

Specifications

Administrators	up to 5
Users database	up to 2000
Power supply	10-24 V 50 Hz ~ 200 mA max / 10-24 V 200 mA max
Current consumption in idle state w/o external devices connected	up to 50mA
GSM modem frequency ESIM120 2G	850/900/1800/1900MHz
GSM modem frequency ESIM320 3G/2G EU	900/1800/2100MHz
GSM modem frequency ESIM320US 3G USA	850/1900MHz
Number of inputs	3
Number of outputs	2
Output type	Relay
Maximum commuting output values	24V 50Hz ~ 0,5A / 24V 1A
Event LOG	up to 1000 events
Dimensions	87×107×29 mm
Operating temperature range	-20...+55 °C
Humidity	0-90% RH @ 0... +40°C (0-90% RH @ +32... +104°F) (non-condensing)



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