FOREMATIC

A-G64n GSM relay - 1000 user

Features

- **Any caller or White list**
- **Relay time 1s– 30mins**
- **Volt free form C relay**
- **1000 user white list**
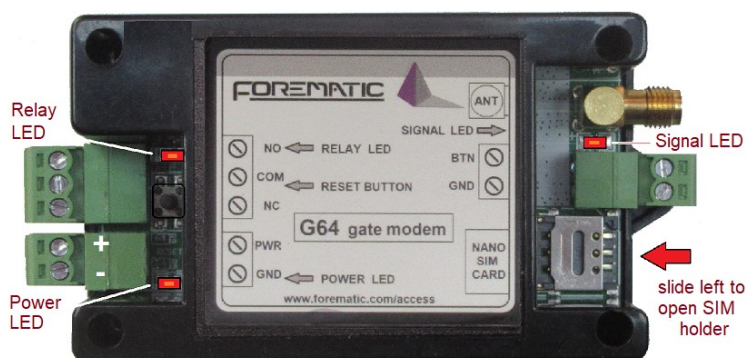- **Time zone enabling**

A-G64n specification

Power	10-28V ac/dc
Current	Iq=25mA, Imax=50mA
Relay	Form C, 1A @ 36Vdc
Standard	Quad band 3G/4G - nano
Environm't	-10°C to 60°C IP21
Dimension	100 x 54 x 33mm

Description

Single channel GSM relay requiring an activated nano SIM card connected to a mobile 'phone service. **DATA ONLY SIM cards accept SMS instruction but don't operate the relay when called.** Ensure the SIM is not locked to a phone, or needs a security PIN each time.

G64 is set by texts starting with a 4digit pass code. '**Admin**' code **1234** can set anything. '**User**' pass code **0000** only sets the relay. Disable SIM's PIN security, and 'missed call' texts by the service provider before fitting.

G64 needs a 12V supply. An adapter is available to run from AC power. Relay ON time can be set from 1 to 2000 secs. There is an exit button input to activate the relay. White list users can be time zone enabled.

Simple setup—All callers

Insert the SIM card (slide to open). Connect antenna clear of large metal objects. Apply power. Flashes 1Hz while connecting. Wait until the signal LED flash every 2 secs (connected). Signal LED is OFF means no signal. Finding service takes up to 40s. Re-position antenna if reception is poor. To test the relay, link the button input. Your gate or door should open.

You need to send the following texts. 'ACTIVE' sets the sender up as the 'superuser' and saves the sender number in user location 001. 'ALL' sets all caller' mode, which is a simple low security option ideal for testing.

Important - Don't use lower case letters or spaces in texts. Spaces in examples are shown for clarity. **USE CAPITAL LTTTERS ONLY**

1234	# ACTIVE #		sets text sender as the superuser (001)
1234	# AA #		sets to **All caller** mode
1234	# R #	1234 # N #	disable SMS notification

Default relay time is 1 sec. The service LED is seen to respond to the texts. Admin & user code should be changed for security (see below). We recommend tether services and the SMS notification are disabled.

| 1234 | #PWD hEllo123 #PWD hEllo123# | replaces password |

'1234' with 'hEllo123'. Can be upper or lower case, 4 to 12 characters.

User instructions

Call the device on the mobile number you have been given. The device will respond if you are authorised, or if it has been set to "All caller" mode. Users are advised to disable reporting on linked devices.

White list programming

Up to 1000 caller numbers are stored in locations 001 to 999. Enter a full 11 digit number. Locations can be overwritten with a new number, or fill next available location. You can find a location by entering 'tel'.

- Setup

Pass code	text	function
1234	#AU #	sets to **white list** mode [default]
1234	#AA #	sets to **all caller** mode [simple]
1234	#AC ?	request mode status - replies by text
1234	#MA #	sets **all caller** relay access [default]
1234	#MU #	disable **all caller** relay access
1234	#MC ?	request access status - replies by text

- Add - delete - check - find

Pass code	text	function
1234	#NORTEL (tel) # DEF #	add 'tel' to next location
1234	#NORTEL (tel) # 013 #	change 'tel' in loc'n 013
1234	#TEL # (tel) #	find 'tel' and delete it
1234	#DELTEL # 023 #	clear location 023
1234	#TELALL ?	Check all users
1234	#QRYTEL (tel) ?	find 'tel' replies with loc'n

- Text functions -   'admin' or 'user'

Pass code	text		function
1234 #ON#	or	0000 #ON#	relay pulses once
1234 #KPON#	or	0000 #KPON#	switches relay ON
1234 #OFF#	or	0000 #OFF#	switches relay OFF
1234 #RELAY?	or	0000 #RELAY?	relay state request
1234 #CSQ?	or	0000 #CSQ?	signal strength req
1234 #GOT3#	or	0000 #GOT3#	sets pulse to 3 secs

NB   If pulse is set to zero (GOT0) relay stays on until the next activation

- Admin functions

Pass code	text	function
1234	#MODTEL# (tel) # (tel) #	change admin tel No.
1234	#RESET#	return to factory default by text
1234	#REBOOT#	remote reboot restarts software
1234	#PUSH (tel) #	notify by text when relay is activated
1234	#N# 1234 #R#	relay notifications **N=disable R=enable**
1234	#DELPUSH #	deletes a notified number
1234	#PUSHALL ?	replies with all notified tel numbers
1234	# TEL 07778123456 #DEF#	set another **Admin** user

The power LED next to the power connector should flash at 2Hz. The signal LED next to the antenna will flash at 2Hz. The relay will operate while the exit button is pressed. Check that the door opens. To reset, hold button until power LED off, then hold until power light ON.