OVERVIEW

RT4-5GL/4 B/K

Edition: 20.11.2026 · version without enclosure · comparison with the RT4-5GP/4

The RT4-5GL/4 B/K is a CORTEX GSM/GPRS/LTE transmitter with a built-in Paradox, NX and DSC interface. It is a version of the RT4-5GL/4 **without an enclosure** and **with a single SIM card holder** — for mounting inside an alarm panel housing or a cabinet.

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1 Differences from the RT4-5GL/4

	RT4-5GL/4	RT4-5GL/4 B/K
Form factor	in an enclosure	board without enclosure
SIM cards	2 (main and backup), automatic switching	1 SIM card holder
Everything else	the same: network, servers, operating modes, inputs and outputs, power supply, programming	

The B/K version has no backup over a second SIM card. Server backup remains: if the link to the main IP address is lost, the transmitter switches to the backup address.

2 Specifications

Parameter	Value
Network	4G / 2G (GSM 900/1800, GPRS)
SIM card	1 × Micro SIM, 3 and 1.8 V interface
Servers	2 IP addresses: main (a domain name can be used) and backup
SMS users	up to 4
Inputs	5 general-purpose + 220 V mains monitoring input
Outputs	2 (PGM or SMS-controlled), up to 1 A, up to 30 V on a closed output
Max. voltage on inputs	30 V
Event log	254 events in non-volatile memory
Programming	USB; remotely over GPRS — settings and firmware
Power supply	10–30 V
Current at 12 V	15 mA standby, 150 mA in GPRS mode
Form factor	board without enclosure

3 Operating modes

The mode is selected with the DIP switch on the board. Nine modes:

- Serial BUS
- CADDX NX alarm panels
- alarm panel mode: the transmitter itself monitors the loops and switches the siren; arming and disarming with Dallas or contactless keys
- Paradox Esprit panels
- Paradox Magellan panels
- DSC panels over Key-BUS — one or two partitions
- DSC panels over Key-BUS — more than two partitions
- Paradox Digiplex panels
- ABAS II addressable bus

4 Comparison with the RT4-5GP/4

	RT4-5GL/4 B/K	**RT4-5GP/4**
Network	4G / 2G	4G (LTE Cat 1); GPRS and SMS as backup
SIM card	1 × Micro SIM	1 × Nano SIM
Servers	2: main and backup	3: main, backup and duplicate
Inputs	5 general-purpose + 220 V mains monitoring input	4 general-purpose + mains power monitoring input
Outputs	2, up to 1 A, 30 V	2, up to 1 A, 30 V
Alarm panel mode	yes (Dallas or contactless keys, siren)	no
Operating modes	9	8
Power supply	10–30 V	9–15 V
Max. voltage on inputs	30 V	15 V
Current at 12 V	15 mA standby, 150 mA in GPRS mode	15 mA in SMS mode, 150 mA OnLine
Event log	254 events	254 events
Firmware update	remotely over GPRS	remotely, including automatically
Form factor	board without enclosure	board 68×95×25 mm or in an enclosure (RT4-5GP/4K) 80×120×28 mm

5 Which one to choose

Situation	Transmitter
A site without an alarm panel: the transmitter arms and disarms with keys itself	RT4-5GL/4 B/K
Supply voltage above 15 V (up to 30 V)	RT4-5GL/4 B/K
5 inputs and a separate 220 V mains monitoring input are needed	RT4-5GL/4 B/K
Events must be duplicated to a third server	RT4-5GP/4
Automatic firmware updates are needed	RT4-5GP/4
Backup over a second SIM card is needed	RT4-5GL/4 in an enclosure (two SIM cards)

> When replacing an RT4-5GL with an RT4-5GP/4: the RT4-5GP/4 has no COMMON, IN6/ACF and +E(OUT) terminals, its supply is 9–15 V and it has no alarm panel mode. The replacement diagram is in the document “RT4-5GL / RT4-5GP 2G → RT4-5GP/4” (in Russian).

6 Documentation

The RT4-5GL V3.4 user manual and programming manual apply to the RT4-5GL/4 B/K. The sections about working with a second SIM card do not apply to the B/K version.

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