



MADE IN POLAND

GSM-WIEGAND converter is a device designed for integration with access control systems and building automation components. It uses GSM communication and the WIEGAND standard to transmit an identifier in the form of the user's phone number.

This solution eliminates the need for physical access cards, wired transmission infrastructure, and allows for quick integration in locations with limited technical access. The converter enables remote access authorization to secure zones via a mobile phone, without requiring additional readers at entry points.

The device identifies users based on their phone number. A call from an authorized number is automatically rejected, and the number is sent to the controller in WIEGAND format as a virtual identifier.

The controller interprets it as a standard access card and decides whether to grant or deny access accordingly.

The module is equipped with 2 digital inputs and 2 relay outputs, allowing for monitoring of external device states (e.g., sensors, inductive loops) and remote control of system components such as gates, lighting, or alarm systems. Operation is carried out via phone calls, SMS messages, or a mobile app (Android™).

The system operates independently of wired infrastructure – all it requires is cellular network coverage. Depending on the software version, integration with smart building solutions is possible, making the converter a flexible tool for both home and industrial automation applications.

Remote Access Control – Manage access to facilities and secure areas without the need for local network infrastructure; ideal for locations with limited connectivity or high risk of sabotage.

Phone-Based Authorization – Access is granted through a call from an authorized number; no signal issues as with traditional RFID readers.

SMS Commands – Device functions can be triggered via text messages (e.g., opening a gate, switching on lights, starting a recorder).

Android™ App – An intuitive mobile interface enables configuration and management of multiple converters from a single device.

No Physical Access Cards – The phone number serves as the user’s identifier; permissions can be granted or revoked remotely, without the need to issue cards.

Remote Device Control – Two relay outputs allow activation of actuators such as electric locks, lights, or IP cameras.

Entry Monitoring – Two digital inputs enable the connection of sensors (e.g., inductive loops, limit switches), allowing for supervision of infrastructure status (e.g., gate position, vehicle presence).

Independence from Wired Infrastructure – No need for LAN, Wi-Fi, or transmission cables; GSM coverage is sufficient, ensuring flexible and reliable operation in any location or environment.

TECHNICAL SPECIFICATIONS

POWER SUPPLY	12V DC
POWER CONSUMPTION	1,5 W
COMMUNICATION INTERFACE	WIEGAND / RS-485
OPERATING RANGE	limited by GSM / LTE network structure
APAS INPUTS	2x digital inputs
APAS OUTPUTS	2x NO/NC
DIMENSIONS [mm]	80 x 65,4 x 20
WEIGHT [g]	66 (PCB)
OPERATING TEMPERATURE	-10°C - +55°C
STORAGE TEMPERATURE	-20°C - +70°C
HUMIDITY RELATIVE	under 80%
OPTIONS	AC adapter 12V DC, 1A; housing (material - ABS)