

GSM-Gest

The innovative solution for the remote control of change machines.



It facilitates the management of change machines and can be applied in different sectors: arcades, shopping centres, bars and internet cafés, offices, railway stations and airports, tourist and sports structures.

Via sms the system sends information about the status of change machines e.g. hopper level, collected/dispensed money, alarm conditions, thus allowing a better management flexibility.

GSM-Gest ensures a constant control of the machine fleet resulting in time and cost saving for the manager.

It allows to prevent change machine emptying and reports when an intervention is required: the user perceives an enhanced quality of the service offered by the manager.

It is also possible to receive a report of the number of sms messages sent, check the quality of GSM signal, and select the language for alarm/audit messages.

It can be easily installed: thanks to the assembly kit included, it can be placed also on existing change machines.

GSM-Gest can be connected to the “wireless Anti-theft” safety system for change machines.

GSM-Gest/Anti-theft system compatibility table

	RM5	NV10	NV9	EBA 03	Anti-theft device	Telemetry
Changeuro Easy Plus		•			•	•
			•		•	•
Dual Coin Plus	•	•		•	•	•
	•		•		•	•
Jolly	•	•		•	•	•
	•			•	•	•
Twin Jolly	•	•		•	•	•
	•			•	•	•
SimplyCoin	•	•			•	•



Fig. 1



Fig. 2



Fig. 3



Fig. 4

General characteristics

The GSM-Gest telemetry system allows the remote control of change machines, avoiding expensive interventions on site and to acquire real time information e.g. hopper level, alarm conditions, audit data (quantity of dispensed/collected money).

Data are received via sms both directly in case of alarm or tampering conditions, and further to query.

Thanks to the practical assembly kit, GSM-Gest can be easily installed on existing change machines (firmware 3.15): Changeuro EasyPlus, DualCoin Plus, Jolly, Twin Jolly and SimplyCoin.

The installation kit includes:

- GSM-Gest board and antenna (Fig. 1);
- board fixing plate;
- antenna support;
- Dual Lock band;
- wiring group;
- installation and programming quick guide.

GSM-Gest can be connected to the Anti-theft system (Fig. 2) for change machines. In case of theft or burglary attempt, the Anti-theft siren is enabled and talks with GSM-Gest that promptly sends a notice message to the portable phone.

Functionality

Possibility of managing 1 to 4 hoppers.

Possibility of configuring an alarm and pre-alarm level for every hopper.

Immediate signalling in case of low hopper level and alarm conditions of the change machine.

Real time sending of information regarding the quantity of collected/dispensed money.

SMS notice that the hoppers have been reloaded.

Report of sms messages sent.

Report of GSM signal quality.

Language selection for alarm/audit messages (Italian, English or French).

Programming

GSM-Gest can be programmed via sms and RS232.

The basic programming PC software can be downloaded free of charge from Comestero Group website.

Options

Management software with "IPAQ" palmtop computer

The software can be installed on:

- pocket PC with ARM or Intel processor with free expansion for the connection of RS 232 Flash board (Fig. 3);
- desk or portable pc with RS 232 Standard serial board or PCMCIA, Windows Me/2000/XP operating system.

Functions:

- check that the equipment works correctly;
- check of the exact connection with the computer network providers.

M2 Change Gateway management software

The software can make a direct connection via sms or internet between GSM terminals and M2M applications installed on the change machines (Fig. 4).

Functions:

- remote reading and data uploading;
- storing the alarms generated by the terminals in a log database;
- real time visualization of audit data (dispensed/collected money, hopper levels);
- managing interventions;
- managing failures;
- Anti-theft system;
- wiring kit for GSM-Gest /Anti-theft system connection.

Technical characteristics

Supplies

Basic module power supply	12 - 24 V
Supply voltage	6 - 29 Vca via relevant power supplier modules
Input	3W max
Mains supply	220 V (via transformer and optional sw power supplier)
Operating temperature	0° ÷ +55° c
Low consumption function using the power supply in the change machines.	

Field Input / Output

4 optoisolated inputs for hopper connection and box opening
1 flat connector for electronic coin mechanism
1 flat connector for banknote reader
4 configurable outputs
RS 232 for configuration
Optional input board
Dual band modem egsm900/gsm1800 – certified for GSM phase 2/2+
Output power: class 4(2W) for egsm900 - class 1(1 W) for gsm1800

Tools

Basic programming software

Can be downloaded free of charge from Comestero Group website.

