

Anti-theft device

One solution to protect both the change machine and the premises where it is installed.



It promptly reports any theft or burglary attempt on the change machine and notifies any intrusion in the premises where it is installed.

Equipped with different sensors: magnetic, movement and infrared, some are standard and some as an option for a complete protection.

It can be applied in all those sectors requiring to protect collected amounts without a constant control of the change machine, e.g. shopping centres, arcades, car wash plants.

It is possible to provide a magnetic sensor also on other machines installed in the same environment of the change machine, e.g. videogames, against forcing.

It can be installed on existing Comestero change machines.

It can be connected to GSM-Gest telemetry and remote control system.

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	•	•			•	•
	•		•		•	
Changeuro	•		•		•	
	•			•	•	
Autocoin Plus	•	•			•	
	•			•	•	
SimplyCoin Air	•	•			•	
SimplyStart	•	•			•	



Fig. 1



Fig. 2



Fig. 3

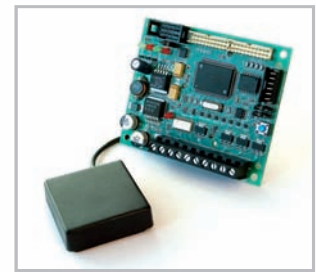


Fig. 4

General characteristics

In the basic version the Anti-theft system consists of:

- control unit with internal siren, movement sensor and auxiliary battery;
- magnetic sensor to open the door of the change machine;
- magnet;
- master remote control device (red);
- user remote control device (grey);
- power supply cable.

As an option, availability of magnetic and infrared sensors to protect other machines and the premises.

The auxiliary battery is useful in case of lack of mains supply, with an operating autonomy of over 40 minutes in case of alarm (siren enabled) or over 90 hours in stand-by mode.

Remote controls

The system has 2 types of remote control: master remote control, red colour, belonging to the manager of the change machine, allows to:

- enable and disable the door opening sensor and the movement sensor;
- cut off all alarms related to the protection of the change machine;
- enable and disable the storing procedure of the devices in the non-volatile memory;

The user remote control, grey colour, belonging to the manager of the premises, allows to:

- enable and disable the infrared sensor (if installed);
- disable the siren in case of alarm coming from the infrared sensor (if installed);
- disable the siren of the magnetic and movement sensors for the time necessary to maintenance operations.

Magnetic sensor (optional)

Also called "perimetral" (Fig. 2), it can be installed on other machines installed in the premises, at a max. distance of 15 metres from the unit.

In case of a burglary attempt, the magnetic sensor, being disconnected from the magnet body, will enable the siren.

Infrared sensor (optional)

Also called "volumetric" (Fig. 3), it is placed in the site where the change machine is installed, at a distance not exceeding 15 m from the unit.

It can detect the movement of warm bodies with a useful distance of approx. 5-7 metres.

The alarm is generated when the sensor detects a movement within its range or if the sensor box is opened.

Options

- magnetic and infrared sensors;
- GSM-Gest telemetry and remote control system (Fig. 4): in case of burglary attempt, the Anti-theft siren will be enabled and talk with GSM-Gest that will promptly send a notice message to the manager portable phone;
- wiring kit for the connection of the Anti-theft system to GSM-Gest.

The table shows the features of the different sensors				
	Sensor	Position	Function	Availability
change machine	magnetic	door	against burglary	standard
change machine	movement	indoor	against theft	standard
other machine	magnetic	door	against burglary	option
local	infrared	walls	against intrusion	option

Installation

According to the type of change machine, the unit and the magnetic sensor are placed in the host machine in different ways, depending on the peripherals installed and space available.

Functionality

Central unit

This is the core of the system (Fig. 1) and is equipped with:

- RISC microprocessor control board;
- internal siren;
- radio receiver;
- door opening sensor;
- movement sensor;
- non-volatile memory for radio devices;
- auxiliary supply battery.

In case of attempt to force the change machine, the magnetic sensor and the magnet are disconnected and this enables the internal siren.

In case of theft it is the movement sensor (adjustable on 3 sensitivity levels) that perceives a movement of the unit and enables the siren.

The non-volatile memory stores the codes of all radio devices connected to the unit: it can store 33 remote controls and 16 external sensors (optional). Duration: over 40 years.

Technical characteristics

	Central unit	Remote controls
Dimensions (l x h x w) (mm)	80 x 95 x 39	41 x 74 x 15
Weight (g)	160	35
Power supply	110/220 Vac	12 V