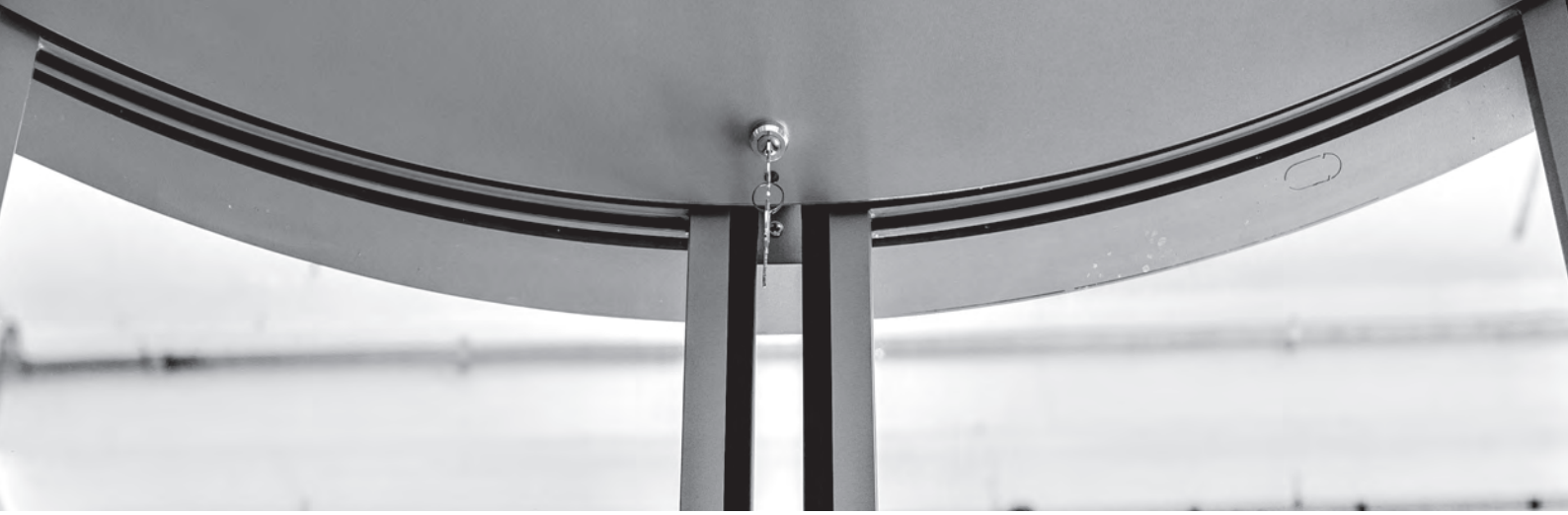


INTERLOCKED AND SELF-BANKING MANAGEMENT SYSTEMS

CoMETA
Reliable Security

INTERLOCKED AND SELF-BANKING MANAGEMENT SYSTEMS

CoMETA offers a range of solutions for the control and the monitoring of the banking accesses. CoMETA design and develop advanced devices for physical and electronic protection and systems for interlocked doors and self banking areas

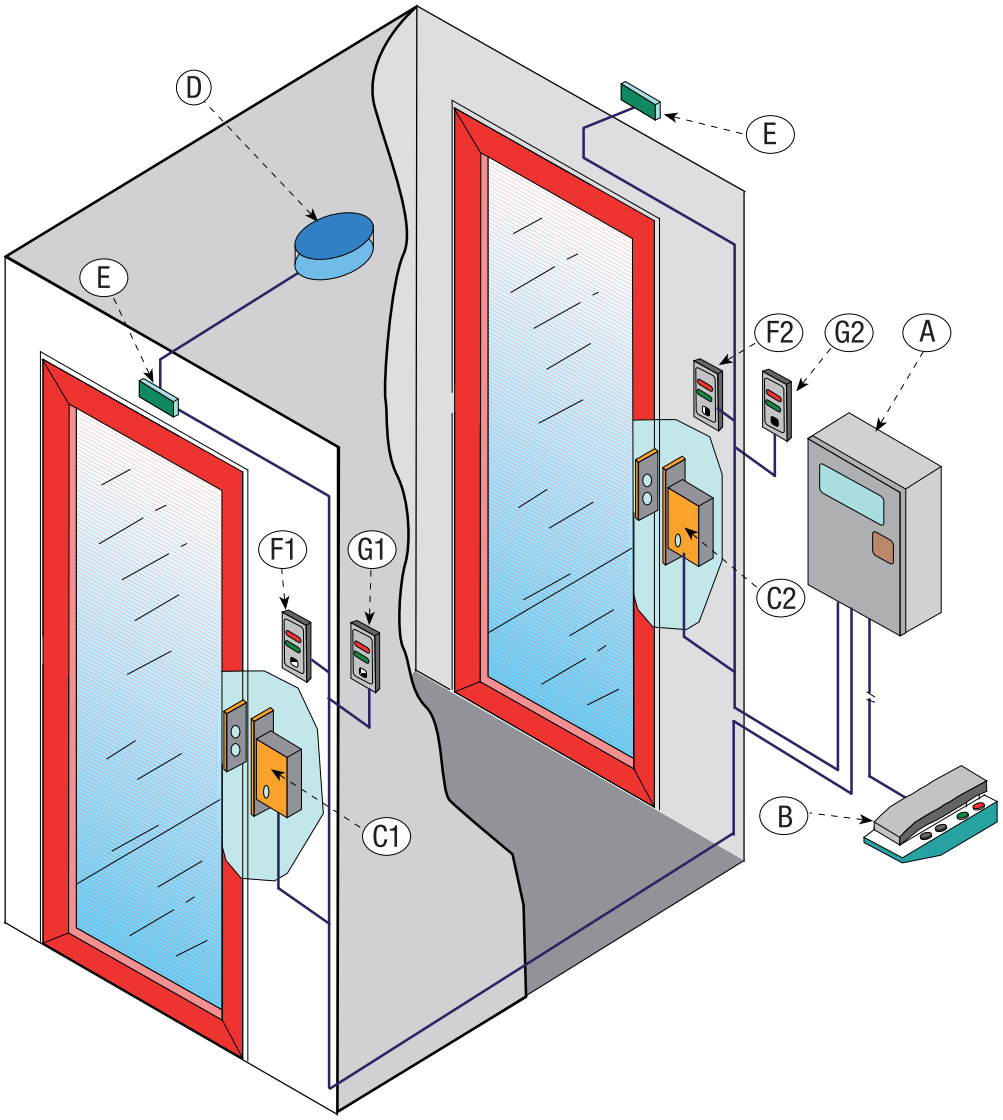
The interlocked management system is typically constituted by a double door with manual or automatic shutters, that separates the branches from the outside. The system allow to have a monitored flow in entry / gone out that enable to put in safety the branch, if necessary.

The self banking atrium is an area assigned to the operations autonomously developed by the clients. For every branch this area can be differently positioned : sometimes on the road rather than on a specific place. The self banking area can be placed in an separated atrium from the interlocked system or in a integrated area to the entrance.

If the self banking area is integrated inside the interlocked access control the CoMETA systems allow to check the access and contemporarily they guarantee the safety of the clients that use the ATM machines

All the configurations of CoMETA systems offer solutions that make a simple, sure and reliable control of traffic flow. In the standard operation all CoMETA systems are programmed to manage some standard function but they can be customized and programmed for specific needs of every single plant.

INTERLOCKED MANAGEMENT SYSTEMS



System components

System components		Code
A	Control Unit complete	Co523
B	Console for plant control with intercom handset	Co624
C1	Electric lock external door	Co40X
C2	Electric lock internal door	Co40X
D	Infrared sensor active inside the box	
E	Infrared sensor active for box external side	CYC1B01059
F1	External side lights on external door	Co84X
F2	External side lights on internal door	Co84X
G1	Internal side lights on external door	Co83X
G2	Internal side lights on internal door	Co83X

Co523

Description of components

A - Control unit

- Wall metal cabinet provided with the following devices:
- logical unit for plant management;
- control input for supply net;
- input for battery status loaded/unloaded;
- inputs for status control of locks: status of half closed door wing sensor, status of piston position, status of key position;
- inputs for status control of lights push button;
- inputs for status control of IR sensors for person presence;
- inputs for push buttons and keys for console control;
- outputs for control of solenoids of electric locks;
- outputs for control of light lamps;
- outputs for management of optical signalling lights of the console;
- automatic selection of intercom handset according to the call;
- switching power supply 230Vac/12Vdc, 6A;
- lead buffer battery 12V, 7Ah;
- central control program that can be configured in factory or directly by the installer, after a special technical course;

Co624 / Co612

B - Table control console with intercom

Control station of the whole system. The standard version is made of the following parts:

- intercom handset, compatible with analogical series LT-Terraneo, to communicate with intercom ; the door selection happens automatically according to the station from which the call is made;
- key for transit mode setting: system off = the system deactivated, bidirectional transit = free entrance and exit, exit only transit = free exit and entrance only from console, emergency release of the doors = immediate release of the doors;
- couple of illuminated push buttons to indicate the status of the door and to require its opening: push button pressed = immediate door release (if the other interlocked door is closed), push button off = door locked, blinking push button and buzzer off = half closed door wing, blinking push button and buzzer on = intercom call from the relevant door, push button illuminated with fixed light = door released;
- locking push button: it lights on when it is pressed, press the push button again to turn it off. With the locking function inserted the door opening is possible only when the push buttons are pressed, otherwise the doors are closed immediately;
- status signalling lamp for net presence: it turns on when the net is on;
- status signalling lamp for battery low: it turns on when the battery is low;
- buzzer: indicates when a communication is required with external lights or when the key of a lock is in wrong position.
- power supply is 12V.

Co624
Console with Intercom

Co612
Reduced console without Intercom

C1, C2 - Electric locks for door block/release

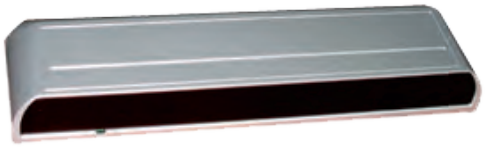
Safety electric locks to control the relevant passage in a completely electrical or mechanical way. CoMETA offers a wide range of locks for all needs: single effect /double effect, normally closed/normally open, with electro opening mouth or electro piston, only electrically driven or also with cylinder/handle/knob; they are all characterised by a high safety and reliability. Supplied with 12Vdc (upon request also 24Vdc) they have inside a whole series of sensors for the revelation of the lock status and therefore of the door.

Co404

D, E - IR sensor for people presence monitoring

Sensors for automatic transit.
By means of the beam regulation they permit to easily modify the monitored area. Sensors E are mounted on the doors outside the box, sensor D on the box internal ceiling (or, alternatively, two sensors E can be placed above the doors inside the box).

CYC1B01059



F1, F2 - Lights with intercom

Lights with service intercom for client flow in entrance. It permits, pressing the relevant calling push button to ask for the intercom communication with the console. The two lights indicate the status of the passage:

- red light on and green light off = door locked;
- red light off and green light on = door released.

On the calling push button is also available an additional LED for any additional signal, for example the status of the key of the relevant lock.

Co847.10

G1, G2 - Lights without intercom

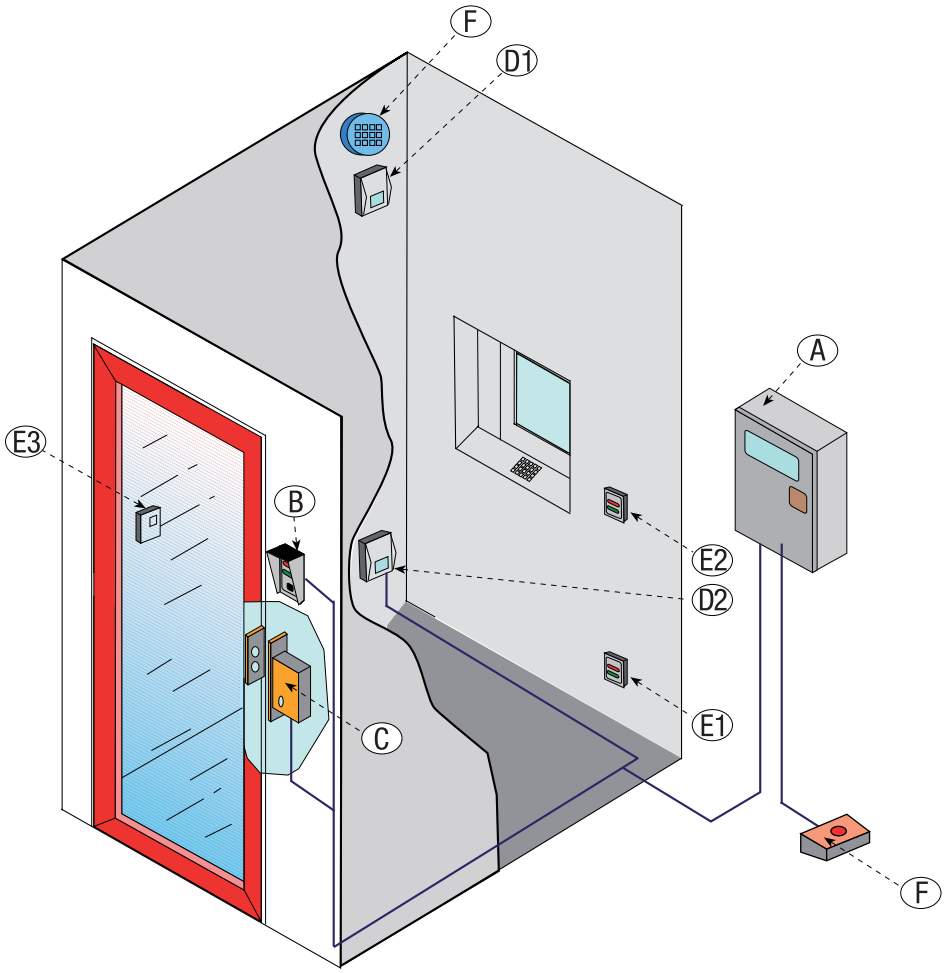
Provided with two light types to indicate the status of the passage:

- red light on and green light off = door locked;
- red light off and green light on = door released.

The calling push button, if pressed, generates a call in console; anyway, the absence of the intercom inhibits the direct phonic connection. On the calling push button is also available an additional LED for any auxiliary signal, for example to signal the status of the key of the relevant lock.

Co837.10

SELF-BANKING SYSTEMS



Components of the complete system

Description		Code
A	Control unit provided with: Wall metallic cabinet; 230 Vac/12Vdc Power supply, 6A; Buffer Battery 12V, 7Ah; Vocal synthesis with five pre-recorded messages; electronic board to control the whole system.	Co533
B	Reader for bancomat card/credit card with chip	–
C	Electric lock to block/release the entrance passage, preset for lever/cylinder with knob	Co404
D1	Sensor for person presence monitoring	CYC1B01059
D2	Sensor for health problems monitoring	LC100-SB
E1	Emergency push button to release the system under safety	Co84X
E2	Illuminated keyboard to ask for more permanence time	Co84X
E3	Push button to release door	Co83X
F	Control console	Co83X
G	Loudspeaker for pre-recorded messages	–

Components of the small system

Description		Code
A1	Minimanagement system for self banking area with bancomat/credit cards reader	Co533
C	Electric lock to block/release the entrance passage, prepared for lever/cylinder with knob	Co404
D1	Sensor for monitoring people's presence	CYC1B01059
D2	Sensor for health problems monitoring	LC100-SB
E1	Emergency push button to release the system in safety conditions	Co84X
E2	Illuminated keyboard to ask for more permanence time	Co84X
E3	Push button to release door	Co83X
F	Control console	Co83X
G	Loudspeaker for pre-recorded messages and vocal synthesis	–
G	Power supply with battery charger in cabinet: 4A 13,8 Vdc power supply; 12V buffer battery, 7,2 Ah	–

Description of components

A - Control unit

Co533

Metallic wall cabinet provided with the following devices; logic unit for plant management; input to control the power supply net in case of an automatic “out of service”; input to control external “out of services”; input for IR sensor for the revelation of people entrance inside the box; input of IR sensor to monitor the movement of the person in the box; input for emergency push button, immediately activates the safety evacuation procedure; input to ask for electric release of the entrance door; input to control the door inside the bank that is closed to reset the system should the opening of the relevant passage be monitored; input to ask for more permanence time; output for serial line RS485 to control the card reader; output to signal that time is expiring; output for “time expired” alarm, available for dialler or other; output for alarm for health monitoring, available for dialler or other; output for card reader working or faulty; outputs to signal door status (open/closed); outputs to signal that the external/internal door opening maximum time has expired; outputs to signal the power supply from net and from battery; outputs to signal status of the self area: out of service, free, busy, in alarm, time expired notice; vocal synthesis with 5 messages and output with buffer output for loudspeaker; power supply switching 230Vac/12Vdc, 6A; 12V lead buffer battery, 7Ah; central control program that can be configured in the factory or directly by the installer, provided he attended a special technical training.

A1 - Minimanagement system for Self-Service Area with bancomat/credit cards reader

This device is used to control the Self Service areas of the bank institutes. The device has a simple and compact structure and comprehends all what is used to this purpose:

- recognition for Bancomat and Credit cards;
- control of the electric lock of the door;
- management of the sensors for presence monitoring;
- management of the push button for time renewal;
- management of opening push button;
- management of shutdown;
- management of emergency push button.

The system gives also a panel with three LED bars indicating the actual status of the system.

B - Magnetic cards reader

Insertion reader for badge is able to recognize credit card or bancomat. The connection to the central unit is realized through the RS485 serial line. Three great red, green and yellow lights and display, permits to understand the system status: unavailability of the service (system out of service, busy, in alarm), service availability, and user guide.

C - Normally closed electric lock to lock/release the external door

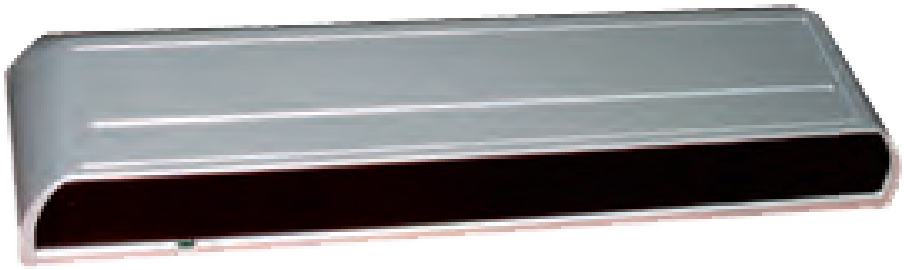
Co404

Safety electric lock that allows the closing of the door , inside it can be opened with a handle or of a cylinder with knob. In this way you can enter only if the door is energised, while to exit you have only to activate the available mechanism for manual release. It is provided inside with sensors for door wing half closed and piston position, it is energized only when you want to electrically release the door; thus guaranteeing a high electric autonomy even without the net tension.

CYC1B01059

D1 - IR Sensor for people presence monitoring

The sensor, placed over the bancomat, gives to the central unit the information that a user started to use the service.
For the good working of the system the sensor beam must be very narrow and placed very closed to the bancomat. When the central unit receives this information it inhibits the access to the area to other people.



LC100-SB

D2 - IR sensor to monitor people movement

Volumetric type sensor placed at a high from the ground of about 40 cm and directed upwards, indicates to the system the movement of the people inside the self-banking. In case of no revelation, for a certain period, of the person's movement inside the self-service area, the central unit is able to signal the alarm in case of health problems with a buzzer, a dialler or other.

CYC1B01056

E1 - Push button to call for help

Auto resetting push button, when it is pressed it forces the system to the alarm condition.

Co815

E2 - Keyboard for time renewal

Module with: illuminated writing that can easily be seen; buzzer to indicate alarm; illuminated push button to renew permanence time. After a preset time, the user of the bancomat is invited to finish the work in a few to make the bancomat available for other customers. This situation is indicated with the lighting of the illuminated writing and the relevant message of the vocal synthesis, and if necessary the activation of the buzzer, making the customer know that only for one single time, he can press the illuminated push button and make the permanence time start again from the beginning.

E3 - Push button for electric release of the door

Co816.00

Push button for electric release of the door on the internal side of the self area.
It is typically used when there is no type of manual release, that is always recommendable, on the lock of the door.

F - Control console

Co652

Control station of the system

G - Loudspeaker and Vocal synthesis (included on the control unit)

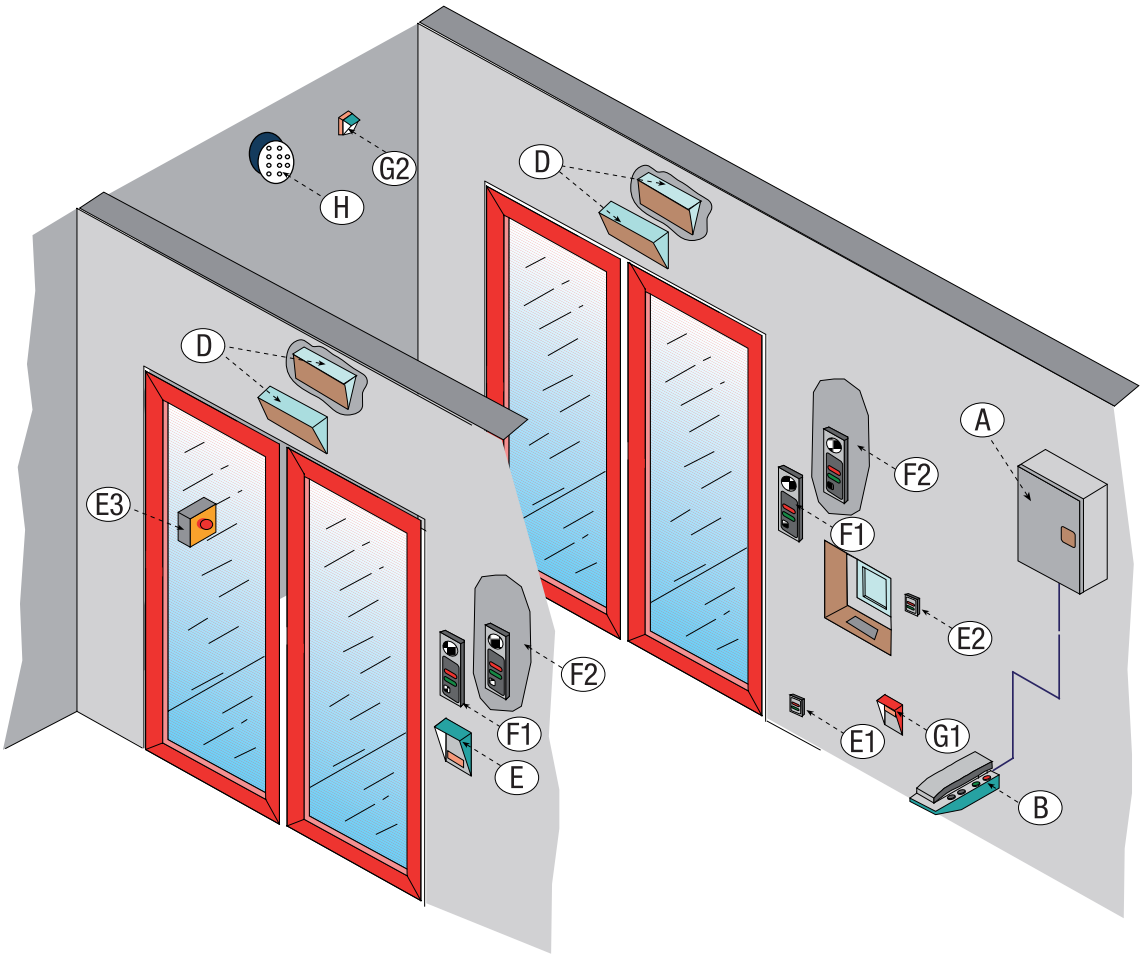
This device is controlled directly from the unit for message reproduction of the vocal synthesis.
The volume can be recorded by the two available trimmers, the first one on the central unit and the second one on the loudspeaker. The messages reproduced are:

1. welcome message, reproduced only one time when the entrance of a new customer has been monitored;
2. message to close the door, reproduced only one time if the door is left open for more than 60";
3. warning message for time expired, reproduced only one time after 240" has passed since the customer's entrance;
4. message for time expired, reproduced in a continuous way after 120" since the notification time;
5. message for health problem alarm, reproduced in a continuous way after 180" since the person who entered

into the room is not seen by IR sensors anymore.

The vocal synthesis CO 220 manages up to 8 messages with a subjective length for a total of about 47s of total reproduction, that can be expanded to 94s. Messages can be started by closing the relevant contact on the terminal board of the device to the ground. The audio output of the CO 220 is amplified and the volume can be adjusted by means of a potentiometric trimmer. Messages are stored on memories of vocal synthesis directly from PC by means of the serial line RS232 using the relevant software COP 220.
The product is also provided of an output line that signals the reproduction of a message and of an input line to interrupt the reproduction.

MANAGEMENT SYSTEMS OF INTERBLOCKED DOORS WITH INTEGRATED SELF-BANKING



System components

Description		Code
A	Complete control unit	Co523 - P2
B	Control unit	Co624
C	Card reader	Co85X
D	Infrared active sensors inside/outside the box	CYC1B01059
E1	Push button to call for help	CYC1B01056
E2	Push button for permanence time renewal	Co815
E3	Push button for door release	Co816.00
F1	Panels with intercom and lights on the external side of the box	Co84X
F2	Panels with intercom and lights on the internal side of the box	Co83X
G1	Sensor for health condition monitoring	LC100-SB
G2	Sensor for person presence monitoring	–
H	Loudspeaker for vocal messages	–

READER SYSTEM WITH ANTI-SKIMMER

Co855.XX

Caratteristiche principali

- Recognition of Bancomat cards and Credit Cards
- Chip card reader: recognition of smartcard according to the European standard EMV 4.3;
- Anti-skimmer system: 6 active optoelectronic sensors placed around the slot for badge insertion, complete with an automatic system for the compensation of the environmental light;
- Graphic back-lit transflective LCD display, resolution of 64 x 128 pixel;
- Built-in panel with signalling lights;
- Set of multilingual messages for the user's guide;
- Optical signals: horizontal bar with LEDs of two colours to indicate the status;
- red-yellow-green;
- Acoustic signal: self-oscillating buzzer to indicate status transitions;
- Burglar-proof sensors: tamper opening-/removal-proof, mercury position sensor;
- Interface: connection with elaboration unit by RS485;
- Dipswitches: microswitches for functioning autotest and reader configuration;
- Certifications: CE.

Electrical features

- Nominal tension: 10-30 Vdc ± 10%;
- Current: 200 mA
- I/O: programmable relay inputs and outputs;
- Working temperature: 0-40 °C

Dimensions

- Overall dimensions: 290 x 55 x 32,5 (H x W x D) mm
- Weight: 0,65 kg

Available models	Description
Co855.35	Reader Display with Dallas Key inserter
Co855.45	Reader Display with Kaba Key inserter
Co855.55	Reader Display standard
Co855.36	Door opener/Display with Dallas Key inserter
Co855.46	Door opener/Display with Kaba Key inserter
Co855.56	Door opener/Display standard

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