



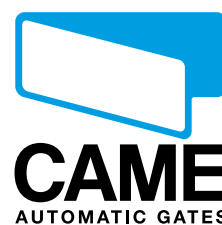
Access control systems for easily managing up to 500 users

RBM21

Access Control

Versatile, complete and easy to use, it is the ideal access control solution for up to 500 users

It is specifically designed for managing subscriptions at gyms, sports centres in general, for area control, or small private parking lots. RBM21 is the ideal solution to control and manage the access of the client who owns this service.



RBM21

Access Control

Card-based access control system, Tag and transponder keychain

The system is suitable for managing up to 500 max member users. It is designed to be used with transponder or magnetic card sensors, it is supplied with its dedicated software, but also works when not permanently connected to a PC.



The TSP00 proximity card sensor.

It is the ideal tool for selecting any passing. In fact the card is practical and sturdy, it is impervious to sun rays and magnetic fields.



The LT 001 magnetic card sensor.

It is a valid alternative, it is practical and functional, and more cost effective, when a high number of cards are required.



The PSSRV-PSINS traffic light and luminous sign.

They are indispensable instruments when managing a private parking lot, they provide user information and space availability.

Diverse application potential in a simple, yet extremely versatile product.

Special software - managed functions such as "deductible inputs".

In fact, users may purchase a number of "credits" on their cards, to be used with the sensors. Each sensor then transmits the deductible credit to the control unit.

It works without PC through an "on-board" sensor into which card is inserted.



It connects to PC from up to 1,000 m away through a dedicated PC40 interface.

Connecting of two automations which are directly connected to the system or, if needed, to the PC.

Connection of 4 TSP00 or LT001 (even separate) sensors - can set up two inputs and two outputs or, if preferred, two inputs/outputs.

It works also with the practical PCT transponder keychain and TAG sensors, which also work with the Atomo and Top series transmitters.



A standard installation

An example of its application, currently in great demand, is for gymnasium or sports facility management, where members may accede to various services while using only one card.

This application requires a simple-to-use system suitable for large volumes of members and services provided.

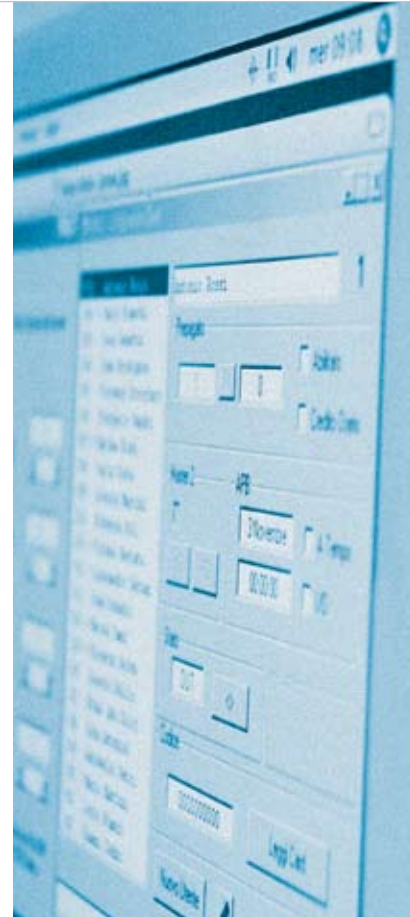
RBM21 is the solution!

The software

The dedicated software features a light graphic interface, which is easy to use, it runs on the Windows OS and does not require any special hardware requirements.

It may be configured according to system's requirements, and it enables card memorization to store the parameters of each users.

It also features a "deductible credit" access mode, where values may be adjusted for each single sensor in commercial settings. Also, the opening command of the automations may come directly from PC if so required.



The functions

> Prepaid access

The user is deducted "credit" from the card at every use. Credits must be assigned at the time the card is added to the system and each sensor may be associated with a different credit value.

> Prepaid time

The user is deducted credits from the card based on the amount of time spent within the facility.

> Card blocker

At any time the card's operation may be blocked within the system.

> New User

At any time a new user may be added to the system's membership population.

> Antipassback

This prevents more than one user from using the same card at the same time.

> Antipassback timer

This function blocks the use of the card, for an adjustable time-frame, after entry. The card is unblocked once exit is made.

Gym



Private parking lot



Controlled area



Made in Italy



For its quality processes management Came Cancelli Automatici is ISO 9001:2000 certified, and for its environmental management it is ISO 14001 certified. Came designs and manufactures entirely in Italy.

The range

230V A.C. control and management units

- RBM21** Control unit for transponder sensors, magnetic loops and card readers, complete with software.
- PC40** Interface to remotely connect to the PC (up to 1,000 m / 3,281 ft).

Control accessories for proximity cards

- TSP00** Transponder reader.
- TST01** Proximity card - ISO7810 - 7813 format.
- TST04** Re-writable proximity card - ISO7810 - 7813 format.
- PCT** Proximity key fob.
- TAG** Glass transponder bulb for TSP01
(It can be housed on TOP-432NA - TOP-434NA - TOP-862NA TOP-864NA - Atomo - Twin - Touch).

Control accessories and magnetic cards

- LT001** Magnetic card reader.
- TST02** ISO 7810 - 7813 format magnetic card.
- LTT** Reader support.

Signalling Accessories

- PSSRV** Red-green traffic light (ø 200 mm / 7.87 in).
- PSINS** Two-sided FULL-FREE luminous sign.

Technical features

Type	RBM21	PC40	TSP00	LT001
Protection rating	IP54	-	IP54	-
Power supply (V)	230 A.C. 50/60 Hz	24 D.C. from RBM21	from RBM21	from RBM21
Dimensions (mm)	320 x 240 x 145	117 x 75 x 26	70 x 70 x 70	90 x 28 x 27
Dimensions (in)	12.59 x 9.44 x 5.7	4.6 x 2.95 x 1.02	2.75 x 2.75 x 2.75	3.54 x 1.1 x 0.108
Operating temperature (°C/°F)	-20 - +55 / -4 - +131			

120V A.C.- 60 Hz PRODUCTS PLEASE CHECK OUR PRICE LIST

● 230V A.C.

Limits to use

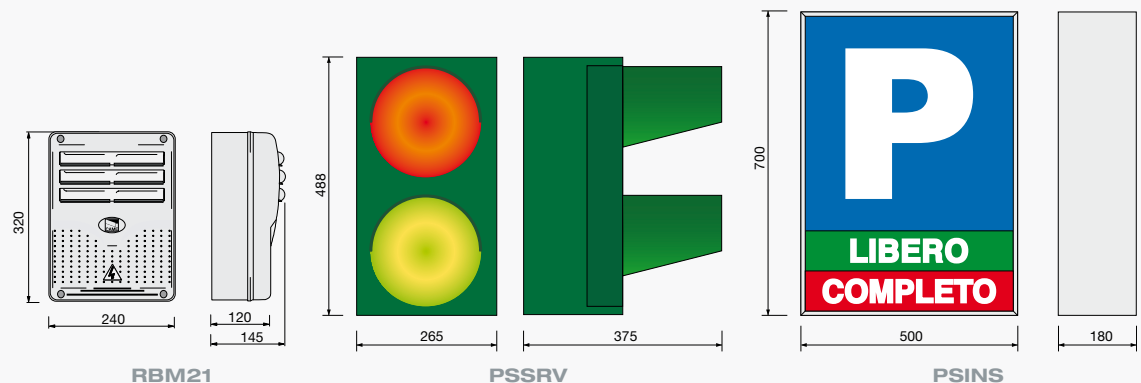
Features	RBM21
Max number of users	500
Dedicated software	YES
Use without PC	YES (partial)
Type of PC connection	RS232 - RS485
Max distance between RBM21 and PC	5 m / 16.4 ft without PC40 (RS232) - 1,000 m / 3,281 ft with PC40 (RS485)
Max number of connectable sensors	2 inputs + 2 outputs (or 2 inputs/outputs)
Relay outputs for automation control	2 (n.o. - n.c.)
Connection for traffic light or sign	1 (n.o. - n.c.)
Auxiliary Memory card	YES
On board warning display	YES
Magnetic loop connections	2
On-board sensor	YES (only for transponder cards)

● 230V A.C.

PRODUCTS



Dimensions



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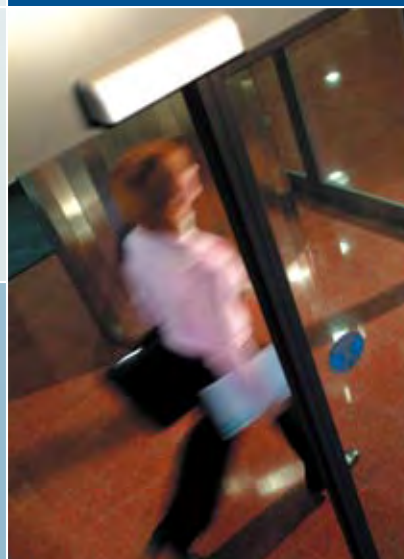
Access control system featuring evolved controls for up to 5,500 users

RBM84

Access Control

Technology, flexibility and performance are the three key words that meet the needs of both small and large facilities

In fact the RBM84 system perfectly integrates with all Came types of command, its controls can manage up to 128 access ways through its dedicated software, even through a modem.



RBM84

Access Control

State-of-the art access control system for up to 5,500 users

It is ideal for many types of applications and specifically designed for facilities with large numbers of users that require the integration of several control devices (transmitters, coded keypads, cards, etc.) and where it is essential to have real-time data available for all the users in the controlled area. In fact, RBM84 is a product that brings together high levels of practical flexibility and the latest manufacturing technologies available on the market today.



The TSP00 proximity card sensor.

It is the ideal tool for access way selection. The card is in fact practical and sturdy, it resists sun rays and magnetic fields alike.

Companies, hospitals, sports centers, parking lots, docks and camping grounds are just some of its applications

Special functions manageable by the software such as "scalable entries".

Users can purchase a number of "credits" that will be programmed into their transmitter, or assigned to the keypad code, to then use at will on the services provided. Each command then transmits to the control unit the "value" of the service to be scaled down from the clients' credits.

Functioning with a personal computer.

It works for distances of up to 1,000 metres, even through a modem or GSM.



The RBM84 is designed to work alongside transmitters.

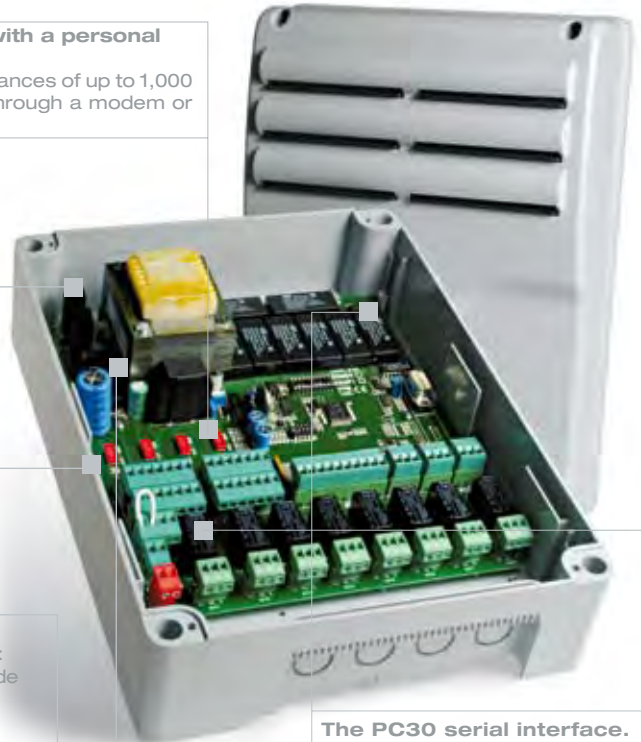
The Atomo and Tam series transmitters, in fact, can be integrated into the system, and thus enable the opening of an automated access way at a distance.

Great potential and maximum control. The system can manage, through a REM unit, up to 128 access ways with 124 sensors and 8 different types of warnings (traffic lights or signs)

Many types of commands.

The RBM84 is designed to work with:

- > Transmitters of the Atomo rolling code and Tam series
- > Keypad selectors of the S series
- > LT00 magnetic card sensors
- > TSP00 proximity card sensors.



The PC30 serial interface.

It enables magnetic band or proximity-card management, and input of number codes through a keyboard selector of the S series.

The highest possible level of integration.

The 128 digital inputs via REM modules allow for a high number of auxiliary sensors to be connected for, anti-theft, fire prevention, and magnetic coils.



The PSSRV - PSINS traffic light and light box.

They are indispensable tools when managing a private parking area and provide the users with information on parking space availability.

The software

The functions:

- > Prepaid access
- > Prepaid time
- > Selected times
- > Card blocker from PC
- > Card insertion from PC
- > Parking function
- > Event printing
- > Anti-passback at entrance/exit
- > Antipassback timer
- > Flow history
- > Instant event visualization
- > Direct automation system command
- > Differentiated user control (through groups)
- > Opening and/or closing of facilities on pre-set dates
- > Automatic opening of facilities at pre-set times
- > Total block of the system from PC
- > Software access password
- > Synchronization of the state of the facilities



The software

The dedicated software features a clear graphic interface, easy to use, runs on windows mode and does not require any particular hardware. It can be configured according to the requirements of the systems, and can memorize cards and parameters assigned to each user.

Numerous are the functionalities that are already programmed for the various types of employment such as multi-level parking, event filing, control of single automations from a pc, "scalable" control user calendar functions for each user, and much, much more.

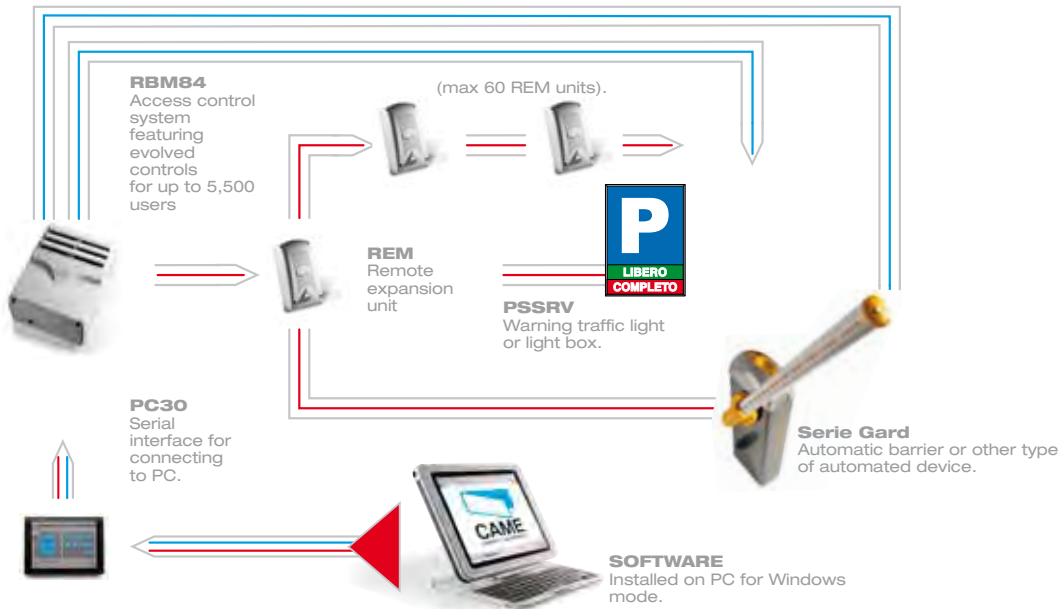
The standard installation

The configuration modes and relative applications are many-fold and diversified depending on the specific operational needs. Following is an example scheme for a standard system, with or without REM* unit.

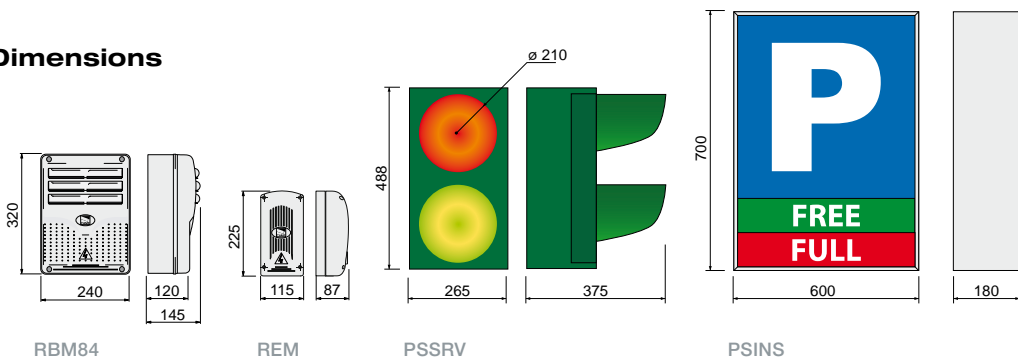
Transmitters series Atomo series Tam series Twin		Sensor and transponder card TSP00 TST01-TST04		Transponder sensor with radio transmitter WA01	
Transponder keychain and TAG for transmitters PCT-TAG		Sensor and magnetic card LT001-TST02		Coded keypad Serie S	



* LIGHT BLUE is without REM* LIGHT RED is with REM



Dimensions



Made in Italy



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PRODUCTS



The range

230V A.C. control and management units

RBM84 Radio control unit for transponder sensor, magnetic loops and card readers, complete with software.
PC30 Interface for Rbm84 control unit management via PC, complete with 12V - 800mA feeder and connection cable.

REM Unit with built-in radio decoder for Rbm84 expansion.

Control accessories for proximity cards

TSP00 Transponder sensor.
WAO1 Home automation transponder sensor with built-in 433.92 MHz "stand-alone" transmitter (Max 200 users).

Control accessories and transponder cards

TST01 Proximity card - ISO7810 - 7813 format.
TST04 Re-writable proximity card - ISO7810 - 7813 format.
PCT Proximity key fob.
TAG Glass transponder bulb for TSP01 (it can be housed on TOP-432NA - TOP-434NA - TOP-862NA TOP-864NA - Atomo - Twin - Touch).

Control accessories and magnetic cards

LT001 Magnetic card reader.
TST02 ISO 7810 - 7813 format magnetic card.
LTT Reader support.

Additional accessories

R800 Access control management and decoder card with S5000 - S6000 - S7000 digital selectors.
R700 Access control management and decoder card with TSP00 - LT001.
R501N Radio module (to combine with AF43S).
S5000 Galvanized and painted steel surface-mounted keypad with illuminated frontal panel. 16,777,216 combinations.
S6000 Flush-mounted keypad. 1,679,616 combinations.
S7000 Surface-mounted keypad. 1,679,616 combinations.

Signalling accessories

PSSRV Red-green traffic light (ø 200 mm / 7.87 in).
PSINS Two-sided FULL-FREE luminous sign."

Selectors

SMA One-channel magnetic loop-detector sensor.
SMA2 Bi-channel magnetic loop-detector sensor.
CSS Natural anodized aluminium post for SET-I - SET-K - TSP01. H = 1 m / 3.28 ft.
CSSN Black anodized aluminium post for SET-I - SET-K - TSP01. H = 1 m / 3.28 ft.

433,92 MHz transmitters

TAM-432SA Bi-channel multi-user transmitter. 16,777,216 combinations with self-learning.
T432 Bi-channel multi-user transmitter. 16,777,216 combinations.
T434 4-channel multi-user transmitter. 16,777,216 combinations.
T438 8-channel multi-user transmitter. 16,777,216 combinations.

433,92 MHz rolling code transmitters

AT01 One-channel rolling code transmitter. 4,294,967,896 combinations.
AT02 Bi-channel rolling code transmitter. 4,294,967,896 combinations.
AT04 4-channel rolling code transmitter. 4,294,967,896 combinations.

433,92 MHz transmitters with KEY CODE

TWIN2 2 channel multi-user transmitter 4,294,967,896 combinations with KEY CODE. (Twin transmitters can be used only with standard coding, compatible with the Tam series).
TWIN4 4 channel multi-user transmitter 4,294,967,896 combinations with KEY CODE. (Twin transmitters can be used only with standard coding, compatible with the Tam series).

Accessories

TOP-A433N Antenna.
TOP-RG58 Antenna cable.
P3V Package of n.2 3V D.C. CR2016 lithium batteries (for Atomo and Twin series).
P3VB Package of n.2 3V D.C. CR1620 lithium batteries (for TAM-432SA).

433,92 MHz receivers

AF43S Plug-in radio frequency card.
AF43TW Plug-in radio frequency card (for TWIN2 and TWIN4).

Technical features

Type	RBM84	PC30	TSP00	LT001
Protection rating	IP54	-	IP54	-
Power supply (V)	230 A.C. 50/60 Hz	12 A.C. power supply unit	from R700	from R700
Dimensions (mm)	320 x 240 x 145	117 x 75 x 26	70 x 70 x 70	90 x 28 x 27
Dimensions (in)	12.59 x 9.44 x 5.7	4,6 x 2.95 x 1.02	2.75 x 2.75 x 2.75	3.54 x 1.1 x 0.108
Operating temperature (°C/°F)		-20 - +55 / -4 - +131		

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● 230V A.C.

Limits to use

Features	RBM84
Max number of users	5,500
Dedicated software	YES
Use without PC	YES
Programming without PC	NO
Type of PC connection	RS232
Max distance between RBM84 and PC	1,000 m / 3.281 ft with PC30 (RS485)
Max number of connectable sensors	124 (Max. configuration with 60 REM)
Relay outputs for automation control	128 (Max. configuration with 60 REM)
Digital inputs	128
Connection for traffic light or sign	YES
Magnetic loop connections	YES

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