

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 PROXIMITY 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** 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** 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** 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 1000m 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



PRODUCTS



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 Models

## Control unit

**RBM21** Control unit for proximity and magnetic card sensors  
**PC40** Serial interface for wireless PC connection (Up to 1000 m)

## Control accessories and transponder cards

**TSP00** Sensor for transponder cards  
**TST01** Transponder card in ISO 7810 - 7813 format  
**TST04** Rewritable transponder card in ISO 7810 - 7813 format  
**PCT** Transponder key chain  
**TAG** Transponder bulb. It can be housed on CAME TOP and ATOMO series radio transmitters

## Control accessories and magnetic cards

**LT001** Sensor for magnetic cards  
**TST02** Magnetic card in ISO 7810 - 7813 format  
**LTT** Sensor fitter

## Detection and warning accessories

**PSSRV** Red-green traffic light Ø 210 mm  
**PSINS** Two-sided luminous signs stating "FREE-FULL". It comes complete with wall-mount brackets  
**SMA** Single-channel magnetic sensor to detect metallic masses  
**SMA2** Two-channel magnetic sensor to detect metallic masses

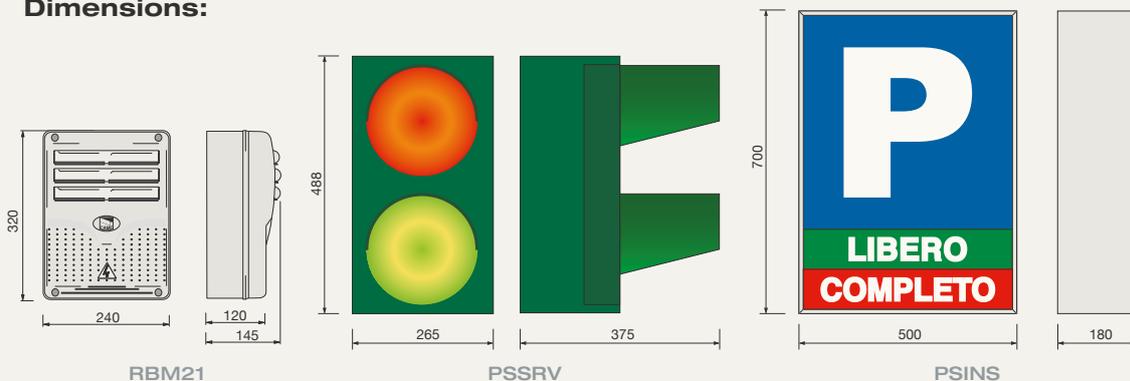
## Technical features:

Types	RBM21	PC40	TSP00	LT001
Degree of protection	IP54	-	IP54	-
Power supply	230V A.C.(50/60 Hz)	24V D.C.(by RBM21)	24V D.C.(by RBM21)	5V D.C.(by RBM21)
Operating Temperature	-20°C ÷ +55°C			
Dimensions (mm)	320x240x145	117x75x25	70x70x70	90x28x27

## Limits to use:

Max.users: 500  
 Dedicated software: YES  
 Use without pc: YES (partial)  
 Type of pc connection: RS232 - RS485  
 Max. distance between the RBM21 and the pc: 5m without the PC40 (RS232) and 1000m with the PC40 (RS485)  
 Max number of connectable sensors: 2 inputs + two outputs (or two inputs/outputs)  
 Relay outputs for automation control: 2 n.o. - n.c.  
 Connector for traffic light or light box: 1 n.o. - n.c.  
 Auxiliary Memory card (Memory roll): YES  
 Integrated on-board warning display: YES  
 Connectors for electric coils: 2  
 Integrated on-board sensor: YES (only for proximity cards)

## Dimensions:



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