Automatic Parking Systems

The experience of an international company

Coverage and assistance for an extensive distribution

CAME guarantees distribution in the domestic and international market thanks to its branches and the extensive distribution of its technical/sales assistance network, which are always ready to meet all the needs of the local operators.

A range of CE-certified products

PRODUCTS

$\mathsf{C}\mathsf{E}$

A corporate quality management system with ISO 9001 certification and an ISO 14001 environmental management system.

More advantages with a CAME system

With CAME products, even already-existing closing systems can easily be automated.
CAME's technology indeed provides automation solutions catering to different closure systems.
All the automation systems, complete with original CAME command and safety accessories, are guaranteed for intensive service and, once tested, require no further periodical adjustments.

A useful opportunity

A CAME PS4000 automatic parking system is the ideal solution for automating the entry and exiting procedures from car parks, as well as for making control of the system quick and inexpensive.
With simple components and easily installed, it requires no special skills and easily adapts to both large multi-storey car parks and to smaller parking areas in the centre of the city.
Integrated with CAME automatic barriers of the GARD series or with other automated systems, and with CAME security and control devices, the system is complete and original, guaranteed to last and dependable over time.
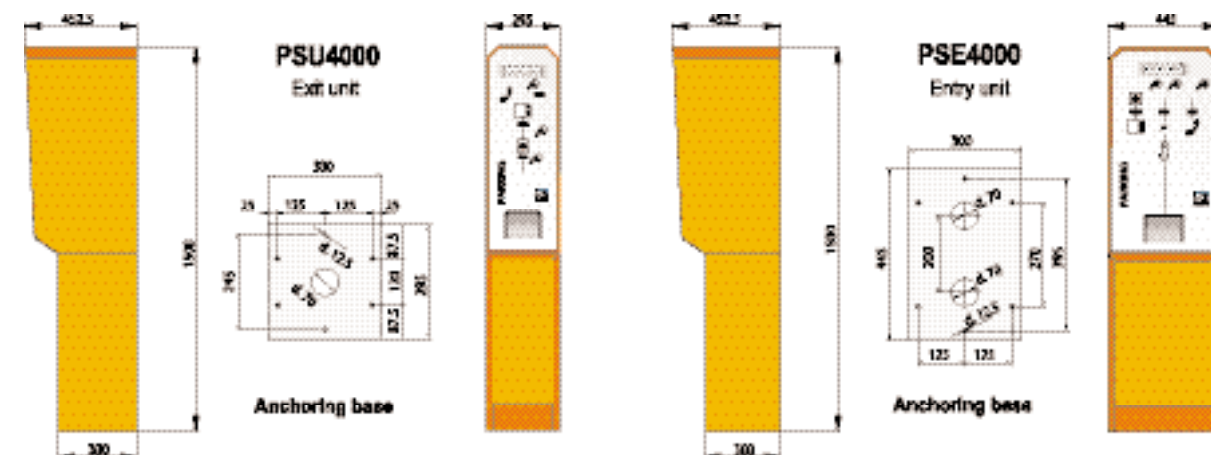
CAME complete systems

Systems covering up to 4 entrances and 4 exits are possible, equipped with automatic barriers of the GARD series and with original CAME security and control devices.
Thus, every element is perfectly integrated for an easy to install functional system conforming to the industry standard in security materials.

External signal

The OPEN/FULL lighted sign allows for the external notification of the availability of parking spaces and may also be applied to multi-level car parks.
The same function may be used with a RED/GREEN light, available for the main entrance, or on the individual parking levels, or as a displayed count of parking spaces.

Dimensions and bulk

PSU4000
Exit unit

Anchoring base

PSE4000
Entry unit

Anchoring base

PS4000 system
for automatic parking devices

It is a complete system for the management and control of parking spaces for commercial use, specially designed for clients with occasional parking usage and for those who issue subscription cards.
The data centre, connected by PC, permits fee calculation based upon time usage as well as the management of pre-selected subscription characteristics as determined by the client.

The system components are:
Entry unit
With token distribution and sensors for proximity cards
Exit unit
With a token collection system and sensors for proximity cards
Manual register
Contains the data centre for management and interface with a PC connection

Available further options
Interphone
For use between the units and the control box
Display
Signals the fee
Printer
Issues a receipt for the fee paid
Signal board
Indicates OPEN/FULL status
Traffic light
RED / GREEN

The minimum configuration comprises an entry unit, an exit unit and a control box, for a total of 1400 occasional clients and 2500 subscribers.

The system is further capable of being expanded to 4 entry units and 4 exit units for a service equal to 5600 occasional clients and 2500 subscribers.

Components

PSE4000 Entry unit

Situated at the parking area's entrance, allows for the distribution of transponder tokens as well as direct client management from subscribers equipped with a proximity card.
Cabinet in steel sheeting with anti-oxidization treatment and electrostatic dust covering.
Clear and legible user graphics.

PSU4000 Exit unit

Situated at the parking area's exit, permits the collection of transponder tokens validated by the exit register, after the fee has been paid.
Direct operation by subscriber clients using a proximity card; thus service subscribers have automatic egress.
Cabinet in steel sheeting with anti-oxidization treatment and electrostatic dust covering.
Clear and legible user graphics.

GET Transponder tokens

Constructed of an extremely resistant plastic material they have a dimension of 30 mm.
Each entry unit holds up to 1400 pc.

TST01 Proximity card

With an ISO 7810 – 7813 format they may be graphically personalised upon client request.
When placed near the special TSP00 reader, situated on the unit, they access the data centre and thus activate the entry-exit procedure for service subscriber clients.

RBMP1 Electronic Data center

Connected to a PC using a PC30 interface, it controls movement in the parking area, both for occasional clients and for subscribers. It uses RBMPARK software. Dimensions (H x L x P, mm)
320 x 240 x 145
Box in ABS IP 54

PSM4000 Manual register

Comprised of the following components:
RBMP1 Electronic data centre and management software.
PC30 interface for connection to a PC for card and token management.

PC 30 PC Interface connection

Connected to a PC by cable, permits the reading of tokens and of proximity cards for subscriber clients.
Dimensions (h x l x p, mm)
135 x 185 x 50

Display

Directly connected to the PC30 interface by cable, allows for visualization of the applicable fee.

PR1513 Printer

May be directly connected to the DISPLAY for the printing of receipts.

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PS4000 Software

Specifically designed for use with commercial parking areas, this is a complete software package which encompasses automatic management by occasional clients using transponder tokens, and the management by service subscribers using a proximity card. It controls and calculates the service costs of up to 1400 occasional clients and 2500 subscribers at the same time and features specific application functions, such as, installation management by level with external signalling as to space availability.

PS4000 Installation

The basic configuration includes an entry unit and an exit unit, as well as a manual register for the fee operation.
The entry unit features a transponder token distributor for occasional clients and a sensor for proximity cards for management of subscribers. At the exit unit a system for reading and collecting tokens validated at the register, as well as, a card sensor allow for the automatic conclusion of the operation at the end of service, The manual register, composed of management software, PC30 interface connection and the RBMP1 data centre, allows for fee collection and subscription accreditation. Options include a telephone for unit communication, visualization of fees and the PR1513 printer for receipts. Also possible for connection are 4 traffic lights or OPEN/FULL indicators for each system, as well as 4 displays for space availability.

System characteristics

Windows software, compatible with all operating systems from Windows 95 onwards.
Graphic window interface, extremely clear and intuitive.
Connection to a PC by a PC30 interface for the reading of tokens and cost calculation, and for the management of subscription cards.
CONTROLS
Formatted ISO 7810 – 7813 proximity cards.
Transponder tokens of 30 mm dimension
DESCRIPTION
For occasional and subscriber clients a special PSE4000 unit, situated at the entrance to the parking area, allows for the distribution of transponder tokens and the reading of proximity cards.
Thus, the entry barrier is controlled by a ground level magnetic coil which activates the token dispenser and card reader in the presence of a vehicle.
Upon termination of the parking period, the occasional client presents the token at the presiding register, where an operator validates the token and calculates the fee, using the PC30 interface.
Upon leaving the client inserts the validated token into the special PSU4000 collector, which controls the parking exit barrier.
The subscriber client may exit directly by using the proximity card with the sensor situated on the exit unit.

TECHNICAL CHRACTERISTICS
Maximum connection distances

PC	-	PC30	max	5	m
PC30	-	RBMP1	max	1000	m
PC30	-	DISPLAY	max	500	m
DISPLAY	-	RBMP1	max	500	m
DISPLAY	-	PR1513	max	5	m
RBMP1	-	SE4000 entry	max	500	m
RBMP1	-	PSU4000 exit	max	500	m

Cards
Formatted ISO 7810 – 7813 proximity cards with personalised graphics (optional).
Tokens
Transponder in plastic material with a diameter of 30 mm
Display
Signals the applicable fee
Functions
Occasional user
Peak hour fee
Fixed fee
Fee by time
Fee by variable amounts of time

Subscribers
Use for a fixed period of time with automatic expiration
Prepaid use
Peak time use
Peak hours
4 per day, selected by user
Card block
At any moment a card may be removed from the system.
Card insertion
At any moment a card may be inserted into the system.
Storey/level function
Management for up to 4 levels with traffic signalling for each level and centralized for the availability of spaces in the parking area.
Printer
PR1513 receipt printer connected to the DISPLAY
Antipassback at entry/exit
A card presented in the controlled area is validated only upon exit to avoid multiple usage by other users.
Passage history
Automatic data collection.
Presence verification
Visualization of user presence in the system.
Direct control
From personal computer direct to the automation.

SPECIAL FUNCTIONS
Holidays
It is possible to select 30 days per year to block occasional client entry while continuing to permit entry to subscribers.
Free days
It is possible to select 30 days per year to permit free access to the parking area for all occasional users, opening the barrier automatically.
Free waiting period
In the case that there are no free parking spaces, this function permits free entry/exit to the parking area in a pre-selected time frame without incurring any cost.
Free exit waiting
Time from the payment of the parking fee until exit is without cost. Adjustable from 0 to 24 h.
Installation block
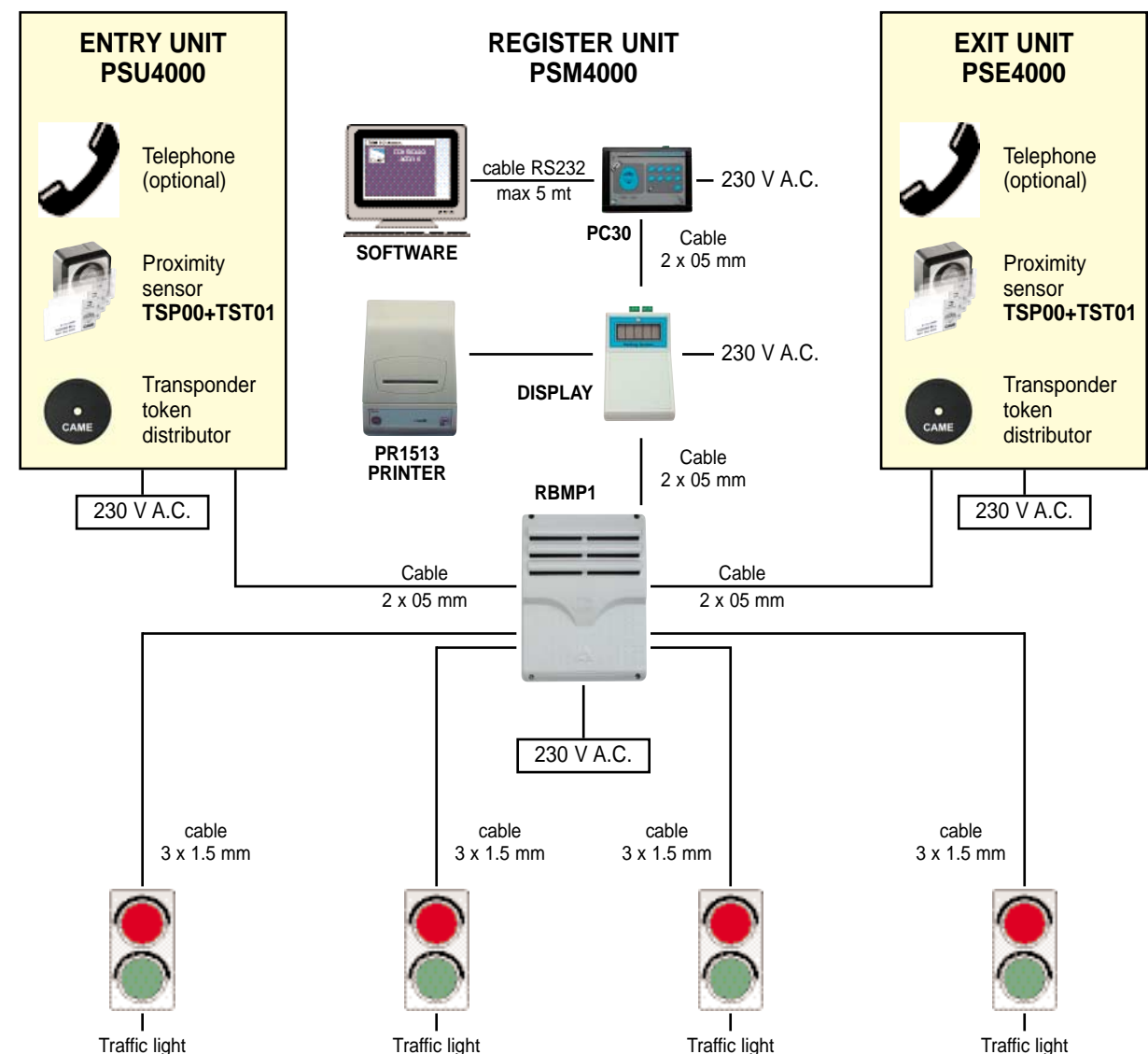Permits blocking of entire operation.
Timer
It is possible to pre-select an opening and closing time for management of the installation.

Installation diagram

ENTRY UNIT PSU4000
- Telephone (optional)
- Proximity sensor TSP00+TST01
- Transponder token distributor
- 230 V A.C.

REGISTER UNIT PSM4000
- SOFTWARE
- cable RS232 max 5 mt
- PC30 — 230 V A.C.
- Cable 2 x 05 mm
- DISPLAY — 230 V A.C.
- PR1513 PRINTER
- RBMP1
- Cable 2 x 05 mm
- 230 V A.C.
- Cable 2 x 05 mm
- Cable 2 x 05 mm

EXIT UNIT PSE4000
- Telephone (optional)
- Proximity sensor TSP00+TST01
- Transponder token distributor
- 230 V A.C.

- cable 3 x 1.5 mm — Traffic light
- cable 3 x 1.5 mm — Traffic light
- cable 3 x 1.5 mm — Traffic light
- cable 3 x 1.5 mm — Traffic light

N.B. The entry and exit automation systems (automatic barriers or other) are directly controlled by their respective units and it is also possible to effect control from a PC.
The PSM4000 register unit is exclusively for use with the RBMP1 - PC30 and RBPARK software.

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CAME is Europe's leading manufacturer of a complete range of **electromechanical automatic** gate control systems. Top-quality control systems designed for external installation and with **no need of periodic maintenance** are the basis for the success of CAME products. CAME automatic systems can be fitted also on an existing gate: your local **CAME** dealer will be delighted to help you selecting the system which best suits your requirements.

The range of **CAME** automatic systems includes:

Automation for **sliding gates**
Automation for **swing gates**
Automation for **garage and sectional doors**
Automation for **shutters and industrial gates**
Automation for **car parks and street barriers**
Automatic Pedestrian doors
Systems for **access control**
Accessories **for safety**

PRODUCTS

CE