

VEHICLE SOLUTIONS

Swinging and sliding gate automation systems



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Vehicle Solutions

Gate openers are suited to an extensive range of different environments including residential, commercial or industrial sites. They operate in a range of voltages and are suitable for intensive use. They are equipped with a number of different features including built-in obstacle detection in the 24v operators.

Our automatic barrier systems are suited to intensive use and come complete with programming and maintenance operations designed for convenience.

All our automatic bollards, including hydraulic bollards are suited to intensive use and are suitable for a range of different environments.

parking management solutions tailored to your needs including private parking solutions.

Our parking control systems consist of entry/exit columns, pay stations and optionally a number of accessories designed to allow you to track traffic and analyse parking data.

We offer larger or smaller scale integrated car parking systems suitable for any size of project. Our parking systems are available as fully networked car park systems or as wireless standalone parking systems more suited to smaller sites.

Contents

1. Compact pedestrian swing gate
2. Vehicle Swing gates
3. Underground swing gates
4. Sliding Gates
5. Traffic Barrier
6. Bollards
7. Solar Power Supply System
8. Parking Systems



E5 BT A

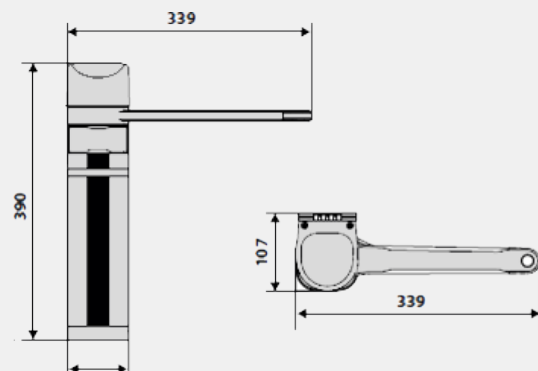
Compact electromechanical automation for swing gates

The E5 BT A is an extremely compact non-locking 24V electromechanical operator with articulated arm for pedestrian swing gates, suitable for residential and commercial areas. The compact dimensions allow the E5 BT A to be installed on small pillars and columns.

The sliding arm option allows the operator to be installed in tight spaces when there are walls or obstacles near the operator and the limit switch operation is managed by the absolute encoder. Built-in safety features include the d-track torque management system, which determines the precise position and force needed to move the gate. The operator has an internal clutch and the new articulated and sliding arms have an anti-shearing system.



-  ER Ready
-  U-Link
-  24v
-  EE Link
-  d-Track



SPECIFICATIONS

	E5 BT A12	E5 BT A18
Power supply	24v	24v
Gate leaf length	1.2m	1.8m
Max Leaf	80kg	100kg
Max opening angle	130°	130°
Control panel	THALIA P	THALIA P
Cycle time through 90°	4.5 to 6.5 sec	14 sec
Impact reaction	mechanical clutch	mechanical clutch
Lock required	yes	yes



PHOBOS

Electromechanical automation for swing gates

The Phobos range of operators are available in 230v and 24v. They are electromechanical swing gate operators equipped with a worm-drive and designed for residential use. The operators are suitable for swing gate leaves from 1.8m to 5 metres wide and weighing up to 500kg. The low voltage versions of the operator have built-in obstacle detection through the D-Track torque management system.



EE Link



Rolling Code



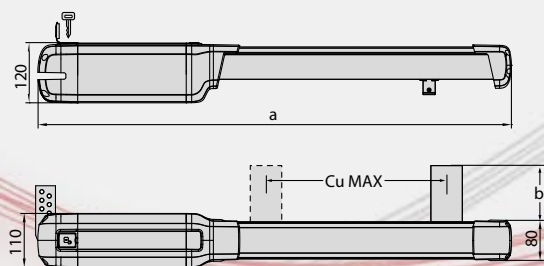
24v



ER Ready



d-Track



	a	b	Cu MAX
Phobos BT A25 - Phobos AC A25	850	72,5	290
Phobos BT A40 - Phobos AC A40	960	108	400

SPECIFICATIONS

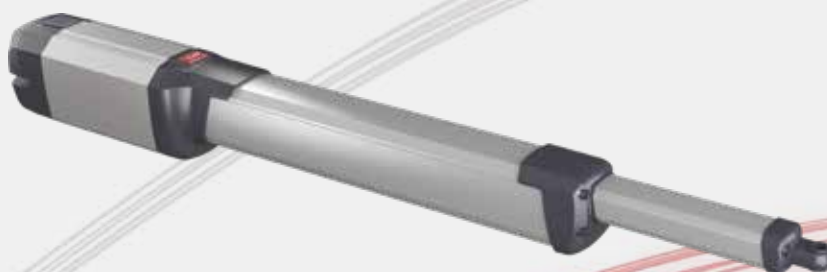
	PHOBOS AC A25	PHOBOS AC A50	PHOBOS BT A25	PHOBOS BT A40
Power supply	230v	230v	24v	24v
Gate leaf length	1.8m (self locking) 2.5m (electric lock)	3m (self locking) 5m (electric lock)	2m (self locking) 2.5m (electric lock)	3m (self locking) 4m (electric lock)
Max Leaf	400kg	500kg	400kg	500kg
Control panel	RIGEL6	RIGEL6	THALIA L	THALIA L
Cycle time	14 sec	18 sec	15 sec	20 sec
Impact reaction	electric clutch	electric clutch	d-track	d-track
Frequency of use	semi-intensive	semi-intensive	intensive	intensive



KUSTOS ULTRA BT A

Electromechanical automation for swing gates

The Kustos Ultra is a 24v electromechanical operator equipped with a worm-drive, designed for single residences or apartment buildings. It is suitable for swing gate leaves up to 4 metres wide and weighing up to 500kg. The Kustos Ultra is designed to be installed quickly and easily with a number of important features including a covered worm-drive, integrated stops, magnetic limit switches and a magnetic locking pin.



EE Link



Rolling Code



24v



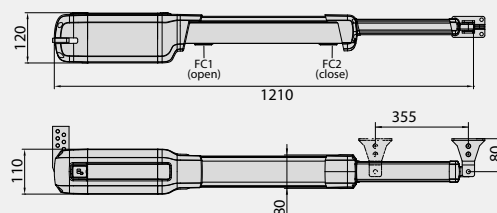
ER Ready



d-Track



U-Link



SPECIFICATIONS

Power supply
Gate leaf length

Max Leaf
Control panel
Cycle time
Impact reaction
Frequency of use

KUSTOS ULTRA BT A40

24v
3m self locking
4m (electric lock)
500kg
THALIA L
17 sec
d-track
intensive



GIUNO ULTRA BT A

Hydraulic automation for swing gates

The Guino Ultra is a 24v hydraulic operator, designed for very intensive use. It is suitable for most types of residential, industrial or multi-residence applications. The operator is capable of automating swing gate leafs between 2m and 5m wide and weighing up to a maximum of 800 kg. The Guino has built-in obstacle detection through the exclusive D-Track torque management system.



EE Link



24v



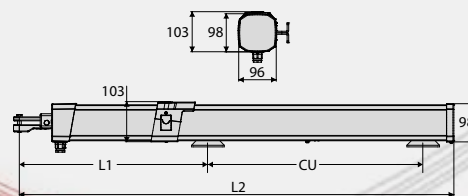
ER Ready



d-Track



U-Link



	L1	CU	L2
GIUNO BT A20	715	270	1116
GIUNO BT A50	932	392	1381

SPECIFICATIONS

	GIUNO ULTRA BT A20	GIUNO ULTRA BT A50
Power supply	24v	24v
Gate leaf length	2m	2m/ 5m*
Max leaf	300kg	800kg/ 300kg*
Control panel	THALIA P	THALIA P
Cycle time	14 sec	20 sec
Impact reaction	d-track	d-track
Frequency of use	very intensive	very intensive

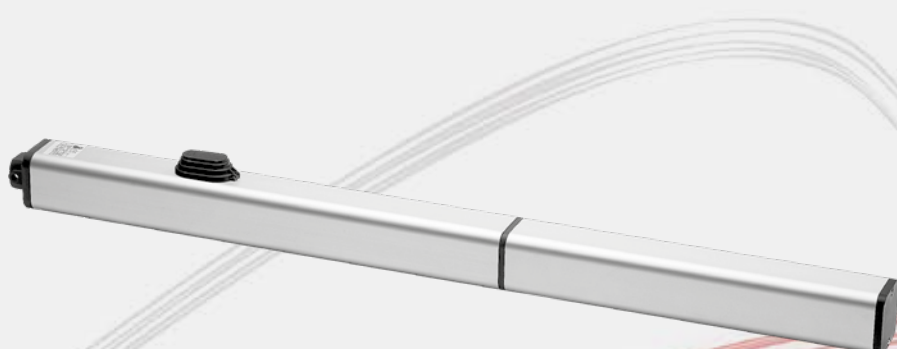
*Although the Guino Ultra BT A50 supports a maximum leaf length of 5m and maximum gate weight of 800kgs, please be aware that at 800kg, the maximum leaf length is 2m. On a 5m gate leaf, the maximum gate weight is 300kgs. Please refer to the instruction manual for more information.



P4.5/ P7

Hydraulic automation for swing gates

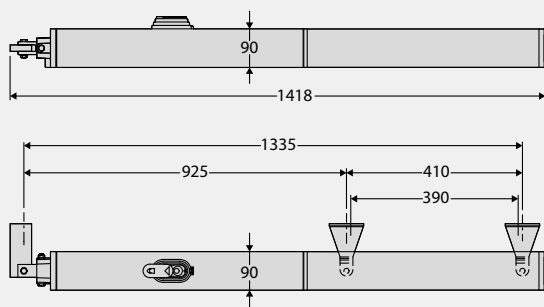
The P4.5 and P7 are hydraulic operators suitable for industrial and commercial use. They can automate swing gate leafs between 4.5m and 7m wide weighing up to a maximum of 500kg. The smooth, silent movements are controlled by the extremely high-performance hydraulic system and the closing slowdown. The precision in traction and torque control is provided by the bypass valve system.



EE Link



ER Ready



SPECIFICATIONS

	P4.5	P7
Power supply	230v	230v
Gate leaf length	4.5m	7m
Max Leaf	500kg	500kg
Control panel	RIGEL6	RIGEL6
Cycle time	28 sec + slowdown	42 sec + slowdown
Impact reaction	hydraulic clutch	hydraulic clutch
Frequency of use	very intensive	very intensive
Lock required	yes	yes



ELI

Electromechanical automation for swing gates

The ELI is available in a range of 230v and 24v electromechanical underground operators which are suitable for intensive usage. They are designed for private residences and small apartment blocks. The motors are suitable for gate leaf lengths between 2m and 4m, weighing up to a maximum of 500kg. The ELI models are equipped with physical stops in both directions and as standard can operate gates up to 120°.

The ELI is available in standard or fast versions and can also provide 180° operation by means of a chain kit. The low voltage operators are equipped with built-in obstacle detection through the exclusive D-Track torque management system.



EE Link



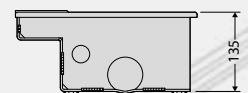
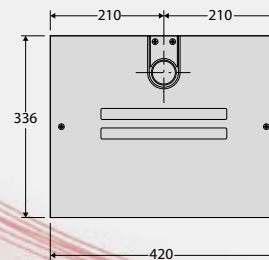
ER Ready



d-Track



U-Link



SPECIFICATIONS

	ELI AC A35 V	ELI AC A40	ELI BT A35 V	ELI BT A40
Power supply	230v	230v	24v	24v
Gate leaf length	3.5m	4m	3.5m	4m
Max Leaf	200kg	500kg	200kg	500kg
Control panel	RIGEL6	RIGEL6	THALIA L	THALIA L
Cycle time 90°	11 sec	13 sec	11 sec	14 sec
Impact reaction	electronic clutch	electronic clutch	d-track	d-track
Frequency of use	intensive	intensive	intensive	intensive



ARES ULTRA BT A

Sliding gate automation systems

The Ares Ultra is a 24v sliding gate operator range designed for intensive use. It is suitable for gates weighing up to 1500kg and has a leaf speed up to 9 m/min. The Ares Ultra has a magnetic limit switch and built-in obstacle detection through the D-Track system. The control board is U-link compatible.



EE Link



24v



ER Ready



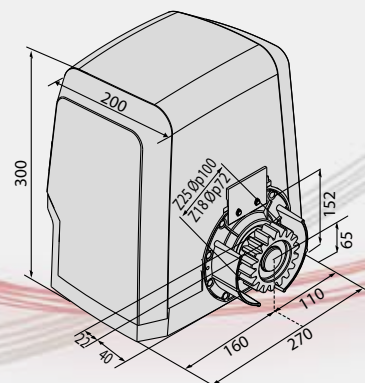
d-Track



U-Link



Silentech



SPECIFICATIONS

	ARES ULTRA BT A1000	ARES ULTRA BT A1500
Power supply	24v	24v
Max Leaf	1000kg	1500kg
Control panel	MERAK-ARES	MERAK-ARES
Gate speed	9 m/min	9 m/min
Impact reaction	d-track	d-track
Frequency of use	intensive	intensive



ICARO

Sliding gate automation systems

The Icaro 230v sliding gate operator range is designed for very intensive useage. It is suitable for gates weighing up to 2000kg. The gear unit is in an oil bath which allows high performance. It comes equipped with built-in obstacle detection through the D-Track torque management system and has an encoder for more precise movement. The Icaro Ultra has a magnetic limit switch, the Icaro Smart is equipped with an electromechanical spring limit switch. The control panel is U-link compatible.



EE Link



ER Ready



d-Track



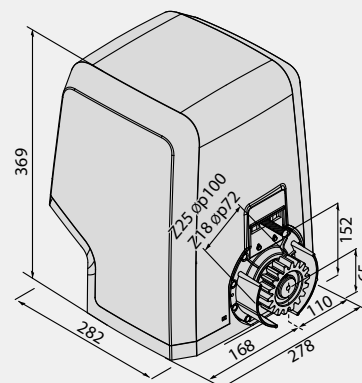
Rolling Code



U-Link



Encoder



SPECIFICATIONS

	ICARO SMART AC A	ICARO ULTRA AC A
Power supply	230v	230v
Max Leaf	2000kg	2000kg
Control panel	Leo B CBB	Leo B CBB
Gate speed	9 m/min	9 m/min
Impact reaction	d-track	d-track
Frequency of use	very intensive	very intensive
Type of limit switch	electromechanical spring switch	magnetic



OBERON & SP3500

Sliding gate automation systems

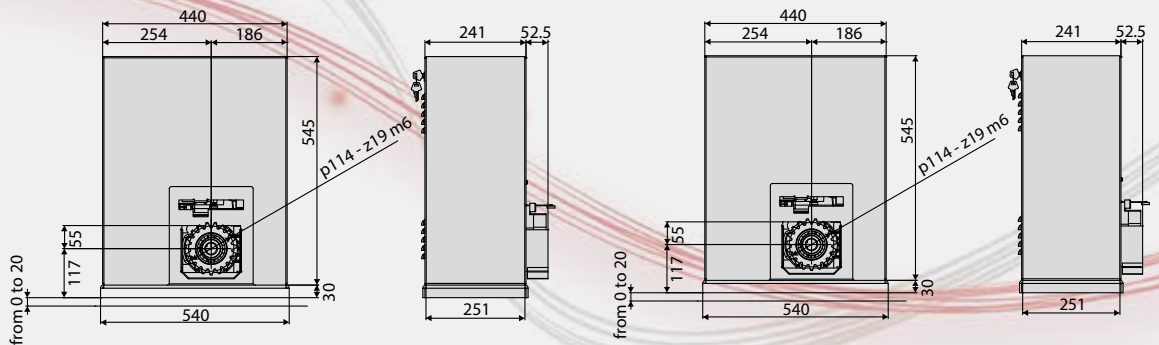
The Oberon and SP3500 are powerful 230v three-phase operators, inverted up to 400v. They are specially designed for large and heavy gates weighing up to a maximum of 3500kg. The structure of the gear motor, the galvanised steel casing and the on-board control unit make it the ideal solution for very intensive sites where reliability and power are essential.



ER Ready



U-Link



SPECIFICATIONS

	OBERON	SP3500
Power supply	230v inverted up to 400v	400v 3-phase
Max Leaf	2000kg	3500kg
Control panel	SIRIO C BA	SIRIO CBB 400
Gate speed	opening 39 m/min max (adjustable) closing 25 m/min max (adjustable)	10.5 m/min
Impact reaction	electromechanical brake and clutch	mechanical clutch
Frequency of use	very intensive	very intensive



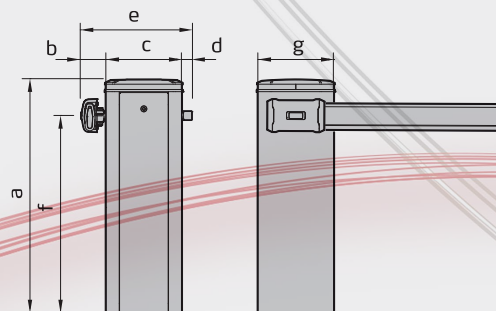
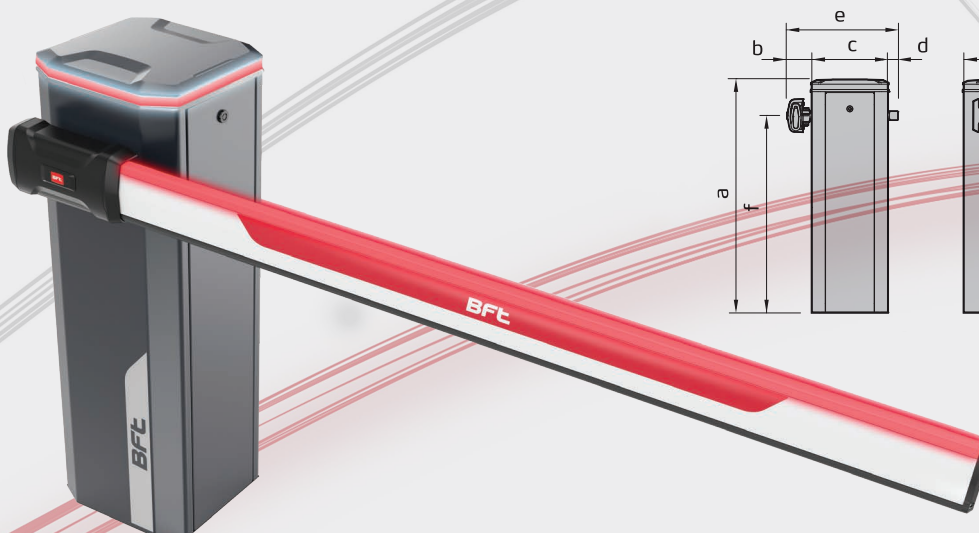
MAXIMA ULTRA 36

Automatic barrier for continuous use.

A 230v AC electromechanical barrier equipped with an asynchronous three-phase motor and inverter, designed for very high frequency use. The Maxima Ultra 36 can manage clear drive through gaps from 2m to 6m. It is designed to operate in a wide range of environments such as large car parks, industrial sites and motorway tolls with very heavy traffic levels.

The barrier can be configured to manage the drive through gap using the top mounted control panel. The mechanical crankshaft delivers fluid movement for the boom whilst controlling the soft opening and closing. The same mechanism is able to provide anti-vandalism protection for the gear motor. The barrier is U-Link compatible for integration with Parking Management or Building Management systems.

The LED Light Crown mounted on the top of the cabinet is able to communicate diagnostic information with a multi-colour coded system providing maintenance and other vital information without the need to access the control panel.



U-Link



rolling code



Oil Gear



Encoder



inverter



Block



tri

FEATURES

- Continuous use
- Oil bath gear motor
- Manage openings up to 6m
- Self-diagnostics function
- Asynchronous three-phase motor with inverter
- Control panel under the cap and compatible with U-Link
- Three access points for simplified maintenance
- Anti-vandal protection with connecting rod-crank system

DIMENSIONS

MODEL	A	B	C	D	E	F	G
MAXIMA Ultra 36	1,030	110	338	45	493	870	338

SPECIFICATIONS

	MAXIMA ULTRA 36
Useful passage	2 m to 6 m
Frequency of use	20,000 (@3 m), 5,000 (@6 m) movements per day
Opening and closing	0.7 - 3.9 seconds
Control panel	CSB XT
Motor type	asynchronous three-phase
Gear unit type	oil bath
MCBF (mean cycles between failures)	7,000,000 movements
Motor power supply	230 V
Slowdown	soft opening and closing
Impact reaction	encoder
Lock	mechanical
Release	inside the structure
Ambient conditions	-40°C to +60°C
Protection rating	IP55

BOLLARDS

Range of traffic control bollards





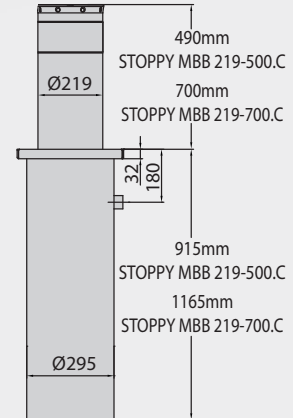
STOPPY-MBB

Electromechanical bollards for intensive use

These electromechanical bollards have an internal oil-bath gear motor which gives them a higher usage capability. Stoppy-MBB is designed to work in the most extreme conditions, thanks to the metal parts being cataphoresis treated, and the new EPDM seal integrated in the flange. The LED light cap fits perfectly into the floor flange with the shaft lowered, drastically reducing the ingress of debris into the casing.



- PERSEO CBD dedicated control panel: manages up to 4 bollards in parallel, programming menu on the display, integrated heating element and incorporated receiver.



SPECIFICATIONS

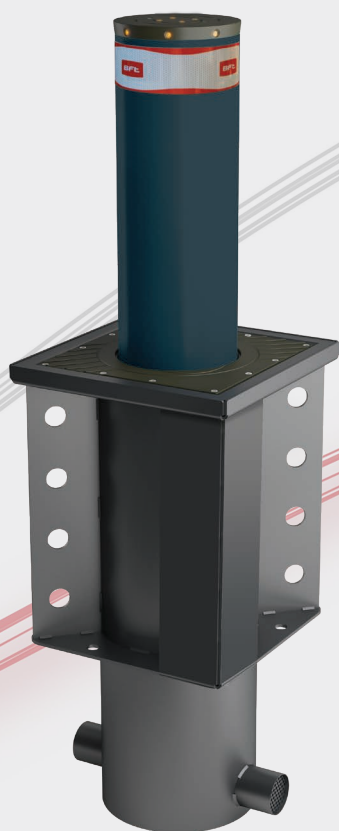
	STOPPY MBB 219/500	STOPPY MBB 219/700
Shaft diameter	219mm	219mm
Shaft height	500 mm	700 mm
Raising time	6 sec.	9 sec.
Control unit	PERSEO CBD	PERSEO CBD
Impact resistance	10,500 Joule	10,500 Joule
Breaking resistance	150,000 Joule	150,000 Joule
Slowdown	yes	yes
Lock	electric brake	electric brake
Manual operation	reversible with no power	reversible with no power
Frequency of use	intensive 1,500 movements/day	intensive 1,500 movements/day
Ambient conditions	- 20° C + 60° C	- 20° C + 60° C
Movement	With slowdown in opening and closing	With slowdown in opening and closing
Supply voltage	230V ± 10% 50/60 Hz	230V ± 10% 50/60 Hz



XPASS B 275/800

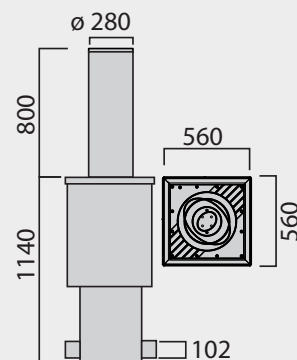
Automatic bollard

Anti-terrorism bollards tested and certified (crash-tested) by an independent body according to standards PAS 68 and IWA14-1 (equivalent to american standard "K4"). Each bollard has an independent pump so that in the event of a control unit failure, the other bollards in the environment remain functional.



Scan the QR code
and watch the
crash test video

XPASS B
275/800



SPECIFICATIONS

	XPASS B 275/800C L	XPASS B 275/800C L LSD
Operator	hydraulic bollard	hydraulic bollard
Voltage	230 V	230 V
Shaft height	800 mm	800 mm
Thickness	10 mm	10 mm
Shaft diameter	275 mm	275 mm
Rising time	7 sec.	7 sec.
Shaft treatment*	RAL 7015 painted steel and reflective film h: 100 mm	RAL 7015 painted steel and reflective film h: 100 mm
Lowering time	4 sec.	4 sec.
Control unit	PERSEO CBE 230.P SD	PERSEO CBE 230.P SD
Break-in resistance	800000J	800000J
Frequency of use	2000 Op/day	2000 Op/day
Antiterrorism reference standard	PAS68:2013 rising bollard V/7500 (N2)/48/90 IWA14-1:2013 rising bollard V/7200 (N2A)/48/90	PAS68:2013 rising bollard V/7500 (N2)/48/90 IWA14-1:2013 rising bollard V/7200 (N2A)/48/90
Type of limit switch	reed magnetic sensor	reed magnetic sensor
Manual operation	reversible with no power	reversible with mechanical key with no power
Ambient conditions	-40°C +60°C	-40°C +60°C

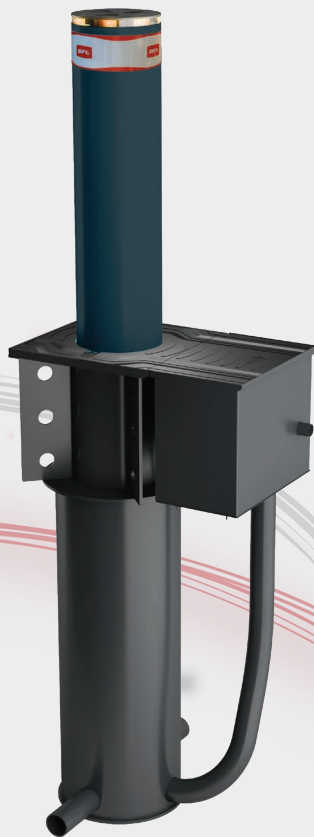
*if the code contains LI: LI= AISI 304 or AISI 316 stainless steel available on request



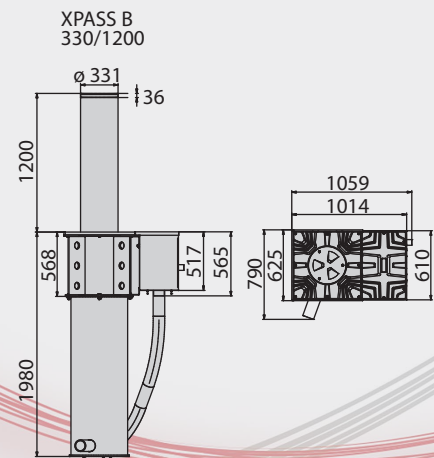
XPASS B 330/1200

Automatic bollard

Anti-terrorism bollard tested and certified (crash-tested) by an independent company according to standards IWA14-1:2013 V/7200(N3C)/80/90 (equivalent to american standard "K12"). Each bollard has an independent pump so that in the event of a control unit failure, the other bollards in the environment remain functional.



Scan the QR code and watch the crash test video



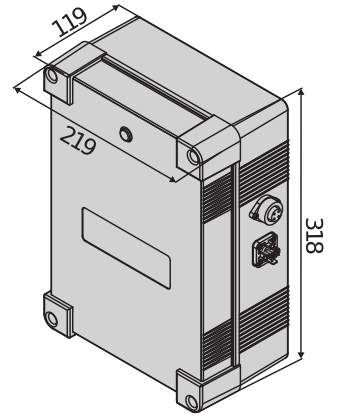
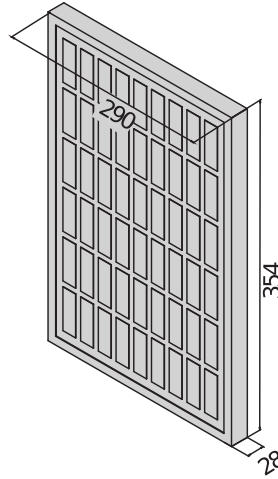
SPECIFICATIONS

	XPASS B 330/1200C L	XPASS 330/1200C L EFO
Operator	hydraulic bollard	hydraulic bollard
Voltage	230 V	230 V
Shaft height	1200 mm	1200 mm
Thickness	25 mm	25 mm
Shaft diameter	330 mm	330 mm
Rising time	max 5.3 sec.	max 5.3 sec. (1.5 sec. for emergency)
Shaft treatment*	RAL 7015 painted steel and reflective film h: 100 mm	RAL 7015 painted steel and reflective film h: 100 mm
Lowering time	4 sec.	4 sec.
Control unit	PERSEO CBE 230.P SD	PERSEO CBE 230.P SD
Break-in resistance	2100000J	2100000J
Frequency of use	2000 Op/day	2000 Op/day
Antiterrorism reference standard	IWA14-1:2013 V/7200(N3C)/80/90	IWA14-1:2013 V/7200(N3C)/80/90
Type of limit switch	reed magnetic sensor	reed magnetic sensor
Manual operation	reversible with mechanical key with no power	reversible with mechanical key with no power
Ambient conditions	-40°C +60°C	-40°C +60°C

*if the code contains LI: LI= AISI 304 or AISI 316 stainless steel available on request



Solar power supply system



Ecocol is a complete solar powered system for low-voltage installations. Ideal for doors and gates that are not easily reached from the power mains, it adapts to any context thanks to compatibility with all 24V systems, both old and new.

Relevant features



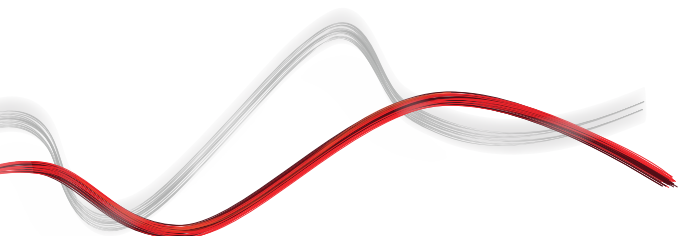
The system components are interconnected with sealed, quick-fit connectors to ensure maximum simplicity in daily use.



The control panels have a useful handle to make them easy to carry when they have to be connected to the electricity mains to recharge the batteries.



"Vandal-proof" versions of screws and fasteners can be supplied to guarantee maximum security and safety in all situations.







Solar power supply system

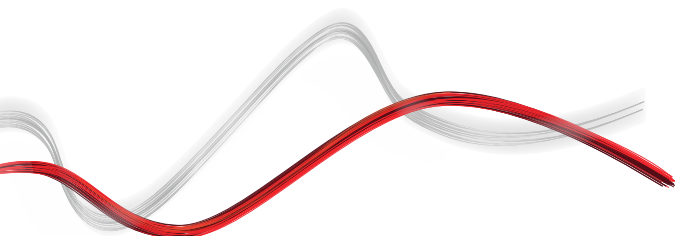
ECOSOL

Code	Name	Description
D113731	ECOSOL BOX	Control and management unit for solar power supply of systems with supply voltage of 24 V. Batteries included.
D113750	ECOSOL BOX NO BATTERY	Control and management unit for supplying solar power to systems with supply voltage of 24 V. Batteries not included.
N999471	ECOSOL PANEL	Solar-powered system compatible with BFT systems only

	ECOSOL BOX	ECOSOL BOX NO BATTERY	ECOSOL PANEL
Nominal voltage	24 V	24 V	24 V
Maximum current	10 A	10 A	no A
Peak power	no Wp	no Wp	10 Wp
Battery nominal capacity	7,20 Ah	7,20 Ah	no Ah
Battery type	12 A	12 A	no A
Maximum panel power	35 Wp	35 Wp	35 Wp
Consumption in standby	0,15 W	0,15 W	no W
Protection rating	IP55	IP55	IP65
Environmental conditions	-20 ÷ 50 °C	-20 ÷ 50 °C	-20 ÷ 50 °C

RECOMMENDED ACCESSORIES

	D113732 - ECOSOL DOUBLE Expansion board with batteries Included		N999473 - ECOSOL POST BR Set of stainless steel screws and brackets for installing the ECOSOL PANEL on a post of diameter 48-100mm
	N999475 - ECOSOL SECURITY Anti-tamper stainless steel screws and fasteners for ECOSOL PANEL and ECOSOL POST BR		N999476 - ECOSOL CABLE 20 m extension for ECOSOL CHARGER
	N999477 - ECOSOL CHARGER Battery chargers for ECOSOL BOX and ECOSOL DOUBLE		



PARKING SYSTEMS

Complete range of
parking equipment



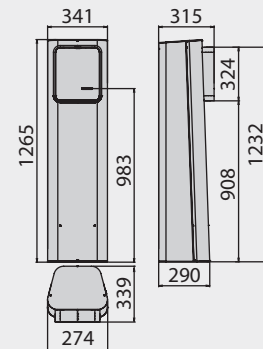


ESPAS 20-I ENTRY COLUMN

Entrance station for stand-alone parking systems

Espas 20-I combined to an automatic barrier and a two inductive road loops is a device for controlling an entrance gateway of a car park. The front panel of the terminal is composed of a ticket-request button, a slot from which the ticket is issued, an LCD display (20x2 char) indicating the operations which are to be carried out and an RFID 125kHz reader.

The Espas 20-I terminal works exclusively in stand-alone mode, which means the only connection cables are power supply and control to the automatic barrier nearby. Espas 20-I lets you create a car park which is managed in an economical and immediate way, and does not require large maintenance works or specific configurations.



FEATURES

- Container for up to 4000 tickets with easy loading.
- ISO fanfold ticket printer.
- Proximity reader for operator cards.
- Vandal resistant ticket request button.
- Assistance button (when used with optional intercom).
- Double-channel detector for vehicle direction reading & barrier control.
- Heater and pressure-operated fan system with temperature control.

SPECIFICATIONS

	ESPAS 20-I
Power supply	230VAC ±10%, 50Hz
Power input	1,6 A
Dimensions	1265x341x315 mm (H x W x D)
Weight	55kg
Cabinet material and colour	Galvanized steel with polyester powder coated, RAL 7015
IP Protection rating	23
Operating temperature	-20 to +50 °C Programmable Heater included
Ticket Type and Capacity	thermal paper fanfold format , 4000pcs
Card Type	125 KHz ISO reader (max 99: operator cards and free pass)
Display	LCD backlit 20x2"
Interface connection	Stand-alone

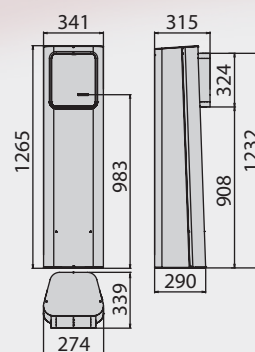


ESPAS 20-U EXIT COLUMN

Exit station for stand-alone parking systems

The Espas 20-U station combined to an automatic barrier and a couple of magnetic loops is a device for controlling the exit gate of a car park area. The front of the station is composed by a scanner for reading the bi-dimensional barcode, an LCD display (20x2 char) for indicating the operations to be carried out and an RFID 125kHz reader.

The Espas 20-U station works exclusively in Stand Alone mode, that means the only connection cables are power supply and control to the automatic barrier nearby. Espas 20-U lets you create a car park which is managed in an economical and immediate way, and does not require large maintenance works or specific configurations.



FEATURES

- Backlit LCD display 20x2.
- Barcode reader/ ticket scanner.
- Proximity reader for operator cards.
- Assistance button (when used with optional intercom).
- Double-channel detector for vehicle direction reading & barrier control.
- Heater and pressure-operated fan system with temperature control.

SPECIFICATIONS

	ESPAS 20-U
Power supply	230VAC ±10%, 50Hz
Power input	1,6 A
Dimensions	1265x341x315 mm (H x W x D)
Weight	55kg
Cabinet material and colour	Galvanized steel with polyester powder coated, RAL 7015
IP Protection rating	23
Operating temperature	-20 to +50 °C Programmable Heater included
Ticket Type and Capacity	thermal paper fanfold format , 4000pcs
Ticket management	Optical reading with 2D laser scanner
Card Type	125 KHz ISO reader (max 99: operator cards and free pass)
Display	LCD backlit 20x2"
Interface connection	Stand-alone

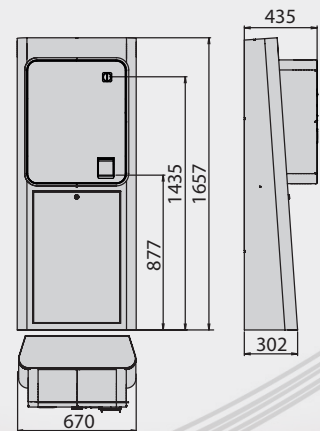


ESPAS 20-P AUTOMATIC PAY STATION

Automatic pay station for stand-alone parking systems

The ESPAS20-P automatic payment machine is designed as a stand-alone device for parking systems enabling the system to operate autonomously 24/7 without the constant presence of operators.

Pay station for centralised parking systems with: Backlit LCD display 20x4, Multilingual voice synthesis, Coin acceptor and change giver for up to 5 coin sizes. Note acceptor and change giver, reads up to 5 note sizes in 4 directions and gives change in one (configurable) size. Thermal printer for issuing lost tickets or printing reports and receipts. Motorised ticket reader module which prints the receipt on the ticket. Cash boxes, removable only with a security key. Heater and pressure ventilation system with electronic temperature control.



SPECIFICATIONS

	ESPAS 20-P
Power supply	230V ±10% 50Hz
Power input	150W
Weight	100kg
Cabinet material and colour	Galvanized steel with polyester powder coated, RAL 7015
IP Protection rating	32
Operating Temperature	-20 to +50 °C Programmable Heater included
Display	LCD 20X4 display
Interface	Stand-alone
Coin validator	6 tube coin changer, up to 8 different denominations Recycling via 2 large capacity hoppers (500pcs each, roughly)
Banknote validator	4 size banknote acceptor, Capacity approximately 300 notes, Cash box 30-notes variable denomination recycler unit, Lockable, removable cashbox
Cash Box	Double locking system with mechanical locks and microswitch alarm

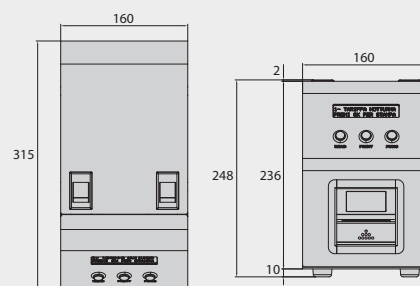


ESPAS 20-T DESKTOP VALIDATOR

Desktop validator

The ESPAS20-T desktop validator is an all-in-one device that performs all the functions of a manned station without wiring and without the use of a PC. The validator is designed to meet all the needs of medium to small sized systems requiring an instrument that is easy to install, configure and maintain.

Desktop Validator with: Backlit alphanumeric display showing the price to be paid. Built-in optical module for 2D barcode reading, 3 function keys for settings and printing tickets for: 1: one entry and one exit. 2: unlimited access for a given period. 3: exiting the car park after a given number of hours. Opening on the top for replacing tickets and cleaning the printer



SPECIFICATIONS

DESKTOP VALIDATOR

Power supply	230V \pm 10% 50Hz
Power Input	80W
Dimensions	230x140x400mm
Weight	6kg
Cabinet Material and Colour	Galvanized steel with polyester powder coated, RAL 7015
IP Protection rating	23
Operating Temperature	0 to +50 °C
Ticket Type and Capacity	thermal paper fanfold format , 500pcs
Ticket type issuing	Special customizable ticket for different timing validity (up to 7 days)
Display	LCD backlit 20x2"
Interface connection	Stand-alone
Ticket reading	2D Optical Scanner

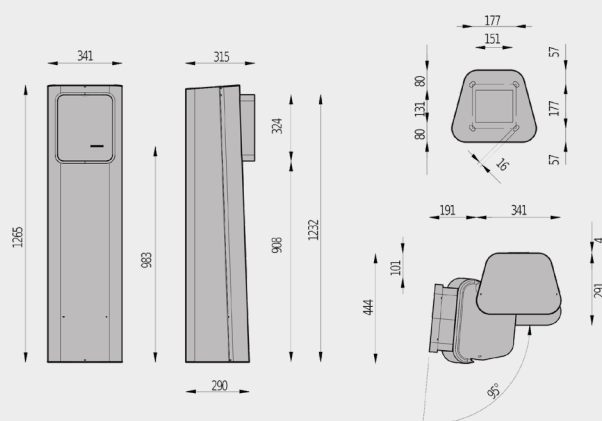


ESPAS 30-I ULTRA ENTRY COLUMN

Entrance station for networked parking systems

The ESPAS 30-I ULTRA column is a device for managing entry to a parking area. The unit works in a wired network as a component between the other elements of the system. The column rapidly issues barcode tickets and manages subscription and operator cards. Display and voice messages guide the user through the experience.

The ESPAS 30-I ULTRA is equipped with a dedicated electronic board with integrated display and onboard joystick for quick programming and checking alarms. The system has a backlit LCD display, illuminated ticket nozzle and capacity for 4000 fanfold tickets.



FEATURES

- Internal temperature regulated by forced ventilation and heating element
- Programmable and highly sensitive two-channels loop detector
- Automatic barrier management
- Assistance call button
- RS485 interface
- Operation also during server offline periods
- Working mode configurable by software, control board or operator cards
- Alarms management with notification to the parking server

SPECIFICATIONS

	ESPAS 30-I ULTRA
Power supply	230VAC ±10%, 50Hz-60Hz
Max power consumption	200 W
Idle power consumption	70 W
Operating temperature	-20 to +50°C (-4...+122°F)
Dimensions	1265 x 341 x 315 mm (H x W x D)
Gross weight	60 kg
Standard communication interface	RS485
Standard colour	RAL7015
Materials	Cabinet in 2.0 mm thick DD11 (UNI EN 10111) steel sheet; front panel in anti-wear and anti-scratch polycarbonate.

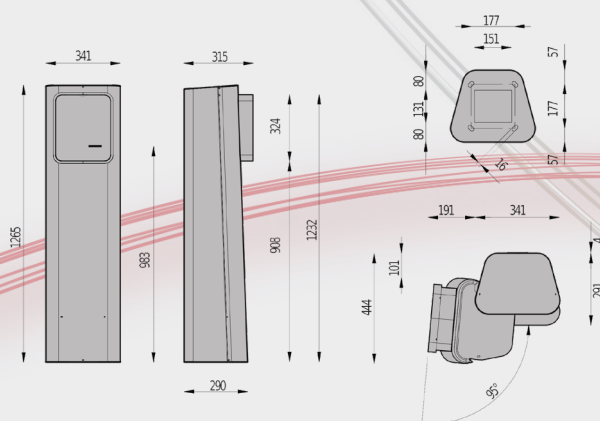


ESPAS 30-U ULTRA EXIT COLUMN

Exit station for networked parking systems

The ESPAS 30-U ULTRA column is a device for managing an exit to a parking area. The unit works in a wired network as a component between the other elements of the system. It is equipped with a ticket scanner and proximity reader for operator and subscriber cards. Display and voice messages guide the user through the experience.

The ESPAS 30-U ULTRA is equipped with a dedicated electronic board with integrated display and onboard joystick for quick programming and checking alarms. The system has a backlit LCD display, illuminated ticket nozzle, multilanguage audio and display messages and a barcode scanner.



FEATURES

- Internal temperature regulated by forced ventilation and heating element
- Programmable and highly sensitive two-channels loop detector
- Automatic barrier management
- Assistance call button
- RS485 interface
- Operation also during server offline periods
- Working mode configurable by software, control board or operator cards
- Alarms management with notification to the parking server

SPECIFICATIONS

	ESPAS 30-U ULTRA	ESPAS 30-U CC ULTRA
Power supply	230VAC ±10%, 50Hz-60Hz	230VAC ± 10%, 50Hz-60Hz
Max power consumption	200 W	230 W
Idle power consumption	90 W	90 W
Operating temperature	-20 to +50°C (-4...+122°F)	-20 to +50°C (-4...+122°F)
Dimensions	1265 x 341 x 315 mm (H x W x D)	1265 x 341 x 315 mm (H x W x D)
Gross weight	60 kg	65 kg
Standard communication interface	RS485	RS485 - TCP/IP
Standard colour	RAL7015	RAL7015
Materials	Cabinet in 2.0 mm thick DD11 (UNI EN 10111) steel sheet; front panel in anti-wear and anti-scratch polycarbonate.	Cabinet in 2.0 mm thick DD11 (UNI EN 10111) steel sheet; front panel in anti-wear and anti-scratch polycarbonate.

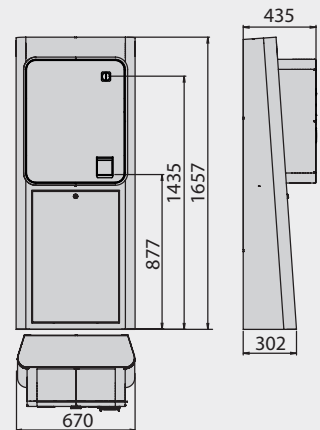


ESPAS 30-P ULTRA AUTOMATIC PAY STATION

Automatic pay station for networked parking systems

The ESPAS 30-P ULTRA automatic pay station is designed to provide professional cabled car park systems with a device offering the highest performance for automatic cashier services. The unit works in a wired network as a component between the other elements of the system.

The clear layout of the various components such as the graphic interface, audio and LEDs guides, means the user is guided step-by-step during the payment operations. The modular system of the ESPAS ULTRA means the pay station is configurable and multiple versions are available to meet any requirements.



FEATURES

- 7" high-resolution anti-vandal graphic touch screen display
- Multilanguage voice guidance
- Automatic refund of change by scanning the receipt ticket
- Discount ticket reading and validation function
- 125 kHz proximity RFID or 13.56 MHz MIFARE card reader for operators and subscriptions
- Payment by entering the vehicle number plate (in parking systems with ANPR).
- Dynamic help page to further assist the user during procedures
- Dedicated operator menu with notification to server of operator access
- Motorized fanfold all-in-one ticket reader/printer module

SPECIFICATIONS

	ESPAS 30-P ULTRA
Power supply	230 VAC ±10%, 50Hz-60Hz
Max power consumption	350 W
Idle power consumption	150 W
Operating temperature	0°C to 55°C (32°F to 131°F)
Dimensions	1657 x 670 x 435 mm (H x W x D)
Gross weight	100 kg
Standard communication interface	TCP/IP
Standard colour	RAL7015

Cabinet in 2.0 mm thick DD11 (UNI EN 10111) steel sheet, front door 3.0 mm thick; front panel in anti-wear and anti-scratch polycarbonate.



ESPAS 30 MANNED PAY STATION SERVER

Manned pay station for networked parking systems

Complete, reliable and easy-to-use system in a single solution, with integrated database. With the JANICA software and the system components, operations including parking time payments, issue and renewal of season tickets and tariff management can be performed immediately.

Manned pay station with: multilanguage Janica parking management software, Entry ticket payment, Lost ticket payment and emission. Integrated interaction with the plate recognition system to facilitate payments. Customisable tariffs and discounts. Emission and management of discount ticket, Management of different types of subscriptions. Subscription presence list, Anti-passback check and management, Hours / daily pass management and emission, Entry ticket customisable by software, Missing change refund, Management of operators roles and permissions, Operator cards usage for special functions, Settable counter for different parking areas, Automatic exit barrier opening after payment for manned exit option, Cash machine settings by software, Exportable reports in PDF and XLS format.



FEATURES

- User friendly Janica management software.
- Detailed reports on use of the parking, payment and other main information useful to the operator.
- Quick processing of payments to ensure a short transaction time.
- Management of the working modes of the stations and barriers.
- Rapid customization of the messages on the terminals' display.

SPECIFICATIONS

MANNED PAY STATION

Power supply	230VAC ±10%, 50Hz-60Hz
Power consumption	250 W
Dimensions	360x420x180 mm (H x W x D)
Monitor	21,5" Led 16:9, 1920x1080
Devices included	Database & Janica License, switch 8P, Usb/Rs485-232 converter, 10 RFID cards, manual ticket reader, 16GB Usb flash drive for backup, mouse, keyboard.



ESPAS

Accessories



ANPR camera system

The ANPR is a number-plate reading system that can be integrated into the parking systems in the ESPAS30 line. The camera, installed near the ESPAS30-I and ESPAS30-U entry and exit posts, allows vehicles with registered number-plates to enter and exit the car park quickly, without having to show anything at the post. Using the plate requires no specific physical supports, thereby offering maximum flexibility.



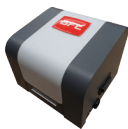
Bonus validator

A device comprising a desktop laser scanner and a console with LEDs and buzzer. Connected to an ESPAS30 parking server, it is used to assign specific bonuses, in time or money, to entry tickets. Once the bonus has been assigned, the pay station will take this into consideration when calculating the amount to be paid.



Capacity Kit

Counting system for stand-alone applications using the ESPAS 20 line. Up to 5 different areas management with related traffic light panel. Loop detector box not included.



Fanfold ticket printer

Thermal desktop printer for tickets in fanfold format linked to the ESPAS30 manned pay station for printing receipts, reports and special tickets.



Intercom system

Analogue intercom system: Comprising a desktop console and capsules integrated in the entry and exit posts and the automatic pay stations.

Digital intercom system: Comprising a desktop console and capsules integrated in the entry and exit posts and the automatic pay stations. Using a special expansion device, the digital system transfers calls to landlines and mobile phones and remotely opens the car park exit points in the event of an emergency.



Parking spaces sign

Illuminated panel indicating car park space availability. Fitted with red and green traffic lights and a 3 digit figure indicating the number of vacant spaces. Backlit panel for night-time visibility, available in a two-sided version



Receipt printer

TCP/IP Thermal desktop printer using roll-paper linked to the ESPAS 30 Manned Pay Station for printing customer receipts.

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