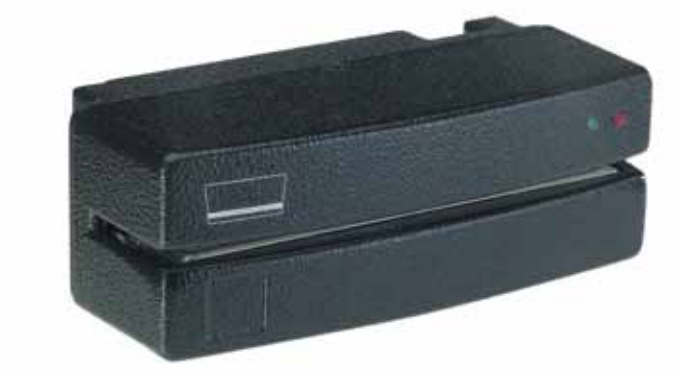
Access control

FAAC

Access control

MAGNETIC READER

The MAG100 magnetic card readers can be used in access control systems for both pedestrians and vehicles.



Model	description	Item code
Mag100	Swipe type magnetic card reader	403118

Electronic control board

VIPER 400 (see page 185) / COBRA PLUS (see page 192)

Specific accessories	Item code
MAG 100 aluminium column	401037
Foundation plate for columns	737630

Cards		Item code
FAAC magnetic card, numbered and coded	(minimum q.ty 10 pcs.)	786320

TECHNICAL SPECIFICATIONS	MAG100
Container	in Metal
Power supply voltage	12 Vdc (from control board)
Type of magnetic reader	Swipe
Format	ISO STANDARD track 2
Reading of magnetic strip	100% of track
Electrical connections	Multipolar cable 5 x 0.5 mm^2
Max. distance between reader and control unit	100 metres
Operating ambient temperature	- 10° C to + 55° C
Installation	Wall-mounted or column-mounted
Heater	Not present
LED indications	1 two-colour multifunction LED
Buzzer	Can be turned off
Shutter	Not present
Dimensions	125 x 56 x 45 mm (L x H x D)

Notes:

To obtain personalised cards contact the FAAC S.p.A. sales office in your area.

PROXIMITY READER

The TAG 10 passive transponder proximity reader can be used to build high-security access control systems.
With its distance detection, it offers greater ease of use and, since it is completely free from moving mechanical parts, it is practically maintenance-free.

Model	description	Item code
Tag 10	Proximity reader for passive transponder	403107

Electronic control board
VIPER 400 (see page 185) / COBRA PLUS (see page 192)

Specific accessories	Item code
Aluminium column (packing unit 2 pcs.)	401034
Foundation plate for column	737630

Cards	Item code
FAAC proximity card, numbered, no magnetic strip *(min. 10 pcs)*	786334
Keyring transponder *(min. 10 pcs)*	786323

TECHNICAL SPECIFICATIONS	TAG 10
Container	Plastic
Power supply voltage	12 Vdc (from control board)
Reading distance	~10 cm
Protection class	IP 54
Electrical connections	5x0.5 mm^2 shielded multi-pole cable
Max. distance between reader and control unit	100 metres
Operating ambient temperature	-10°C to +55°C
Two-colour multifunction LED	YES
Buzzer	YES (can be turned off)
Installation	Wall-mounted or column-mounted
Dimensions	70 x 95 x 44 mm (L x H x D)

Use
TAG 10 Vehicle or pedestrian access control systems, indoors and outdoors

Notes:
To obtain personalised cards contact the FAAC S.p.A. sales office in your area.

READERS FOR PEDESTRIAN AND VEHICLE GATES

The Resist line of readers for pedestrian and vehicle gates has a very robust anti-vandal structure with a front panel in fibre glass.

Resist-T

Resist-PS

Resist-TPS

Model	description	Item code
Resist-T	keypad for access authorisation by entering a code	403124
Resist-PS	passive proximity reader	403125
Resist-TPS	passive proximity reader with keypad for access authorisation by entering a code	403126

Electronic control board

VIPER 400 (see page 185) / COBRA PLUS (see page 192)

Specific accessories	Item code
Resist-COL Column in galvanised steel, painted black	401061
Cards	
FAAC proximity card, numbered, no magnetic strip *(min. 10 pcs)*	786334
Keyring transponder *(min. 10 pcs)*	786323

TECHNICAL SPECIFICATIONS	RESIST - T	RESIST-PS	RESIST-TPS
Type of reader	Keypad, 12 buttons	Passive proximity	Proximity and keypad
Reading distance	--	Max. 5 cm	Max. 5 cm
TAG reading (125Khz)	--	TAG Card / Keyring	TAG Card / Keyring
Structure	Pressure die-cast aluminium		
Dimensions (mm)	H100xL100xP42		
Front panel	Fibre glass with polycarbonate layer		
Protection class	IP 55		
Buttons	Mechanical buttons in stainless steel	No button	Mechanical buttons in stainless steel
Indication LED	Two-colour, 3 mm		
Buzzer	Can be turned off		
Power supply	From the control board		
Absorption	Max. 60 mA	Max. 100 mA	Max. 160 mA
Operating ambient temperature	-10°C to +55°C		
Installation	Wall-mounted or column-mounted		
Electrical connections	5 x 0.5 mm cable, with screen (max. 100 m)		

TECHNICAL SPECIFICATIONS RESIST- COL

Structure - galvanised steel

Painting - black powder

Dimensions - 1100x100x100 mm

Use: vehicle or pedestrian access control systems, indoors and outdoors

Notes:

To obtain personalised cards contact the FAAC S.p.A. sales office in your area.

INTERFACE FOR RADIO CONTROL 433 SLH/868 SLH DECODER TTR

The DECODER TTR interface can be used to realize access control systems with the FAAC 433 SLH / 868 SLH radio control.
This system is perfect for vehicle systems, indoors and outdoors, because the driver can control the access opening remotely while remaining comfortably seated in the car.

Decoder TTR

Plus 1 433 / Plus 1 868

Model	description	Item code
Decoder TTR	Interface for programmable radio controls 433 SLH / 868 SLH	785539

TECHNICAL SPECIFICATIONS	PLUS 1		XT2		XT4	
Version	433 SLH	868 SLH	433 SLH LR	868 SLH LR	433 SLH LR	868 SLH LR
Use frequency	433.92 SLH	868.35 MHz	433.92 SLH	868.35 MHz	433.92 SLH	868.35 MHz
Power supply voltage	20 to 30 Vdc 24 Vac ± 10 %		Battery 12V			
Reading distance	/		~50 m			
Protection class	IP 44		/			
Transmission channels	/		2		4	
Codes available	/		72 million billion			
Operating ambient temperature	-20°C to +55°C		-10°C to +55°C			
Compatibility	with VIPER 400 / COBRA PLUS board					

Model	description	Item code
PLUS 1 433 SLH	multi-channel receiver	787826
PLUS 1 868 SLH	multi-channel receiver	787827

For transmitters, see page 160

Use: vehicle or pedestrian access control systems, indoors and outdoors.
Electronic control board VIPER 400 (see page 185) / COBRA PLUS (see page 192)

MIXER BOARD

Model	description	Item code
MIXER Board	interface for combining two readers of different technologies	790910

CHARACTERISTICS

The MIXER board allows you to combine two readers on the same input, even if they use different technologies, on the VIPER 400 / COBRA PLUS board.
This allows pedestrian or vehicle access control systems with a double reader on entry and a double reader on exit (e.g. magnetic and DECODER TTR or magnetic and transponder, etc.) managed by the control board.
The MIXER board is supplied with a mounting for a DIN bar and is therefore compatible with enclosure models E - L - LM.

READERS FOR PEDESTRIAN AND VEHICLE GATES

The range of MINITIME keypads and readers is ideal for access control systems both for pedestrians, indoors in prestige locations, and for vehicles outdoors.

Model	description	Item code
Minitime-T	keypad for access authorisation by entering a code	403159
Minitime-PS	passive proximity reader	403161
Minitime-TPS	passive proximity reader with keypad for access authorisation by entering a code	403160

Electronic control board
VIPER 400 (see page 185) / COBRA PLUS (see page 192)

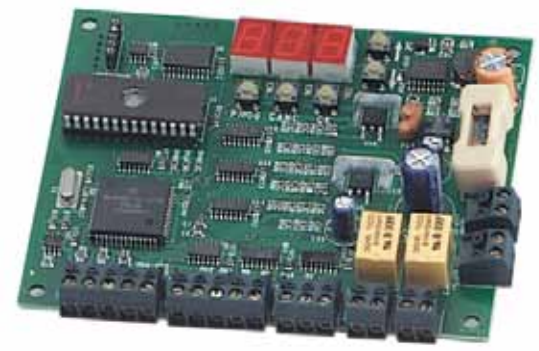
Specific accessories	Item code
MINITIME aluminium column	401041
Foundation plate for columns	737630
Cards	
FAAC proximity card, numbered, no magnetic strip *(min. 10 pcs)*	786334
Keyring transponder *(min. 10 pcs)*	786323

TECHNICAL SPECIFICATIONS	MINITIME - T	MINITIME - TPS	MINITIME - PS
Keypad, 12 buttons	yes	yes	no
Type of reader	no	passive proximity	
TAG reading distance	no	Max. 5 cm	
TAG format	no	card / keyring at 125 KHz	
Operating principle	connected with VIPER 400 or COBRA PLUS		
Signalling	via 3 two-colour LEDs on plastic cover		
Front panel	stainless steel with polycarbonate layer		
Buzzer	incorporated		
Installation	wall-mounted or column-mounted		
Connections to control unit	Multipolar cable 5 x 0.5 mm, screened		
Distance from reader to control unit	100 metres		
Type of enclosure	ABS with painted cover, dimensions H 175 L 60 D 45 MM		
Operating ambient temperature	-10°C to +55°C		
Power supply	directly from the control board COBRA PLUS and VIPER 400		

Notes:
To obtain personalised cards contact the FAAC S.p.A. sales office in your area.

CONTROL BOARD VIPER 400

The autonomous VIPER 400 control board is designed for stand-alone access control systems (it does not require a personal computer).
It is ideal for all situations requiring a simple but secure system.



Model	Item code
Viper 400	790909

Enclosure for VIPER 400 control board	Item code
Enclosure mod. E	720119
Enclosure mod. L	720118
Enclosure mod. LM	720309

Specific accessories	Item code
Power supply for VIPER 400 board	407030
MINISERVICE power supply (necessary for managing electric locks at 12 Vac (*)	790904
Accessories for installing MINISERVICE in enclosures L - LM	390624
Memory for saving data held in the VIPER 400 board	799348

TECHNICAL SPECIFICATIONS VIPER 400

Up to 2 readers can be connected - MAG, TAG transponder, RESIST - or 433/868 SLH trasmitters using the DECODER TTR
Memory capacity up to 400 users
Programmable control of a single gate or two gates:
single gate: entry reader/button to exit; entry reader/exit reader; possibility of door status management with alarm activation
two gates: reader on entry A; reader on entry B (on gate A an exit button can be installed and also a door status management with alarm activation)
Can add access password to configuration and programming
1 3-digit display for programming and displaying card status
5 programming buttons

Programs available:
Card management (saving, deleting, changing)
Operational settings (manage one gate, manage two gates etc.)
Time settings
Activation of exits
Export/import archives

The additional memory, optionally available, can be used to export/import the "card data" from one board to another, or to make backup copies
Power supply 12 to 24 V ac/V dc
Compatible with enclosure models E - L - LM.

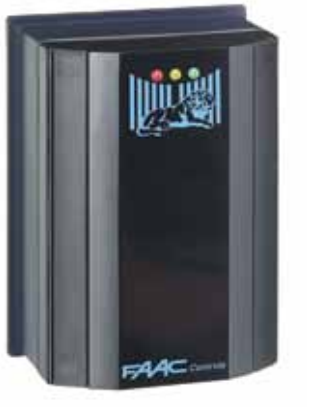
Notes

(*) When the Miniservice power supply is used to activate an electric lock (12 V ac) the power for the VIPER board can be taken from the Miniservice (24 V dc). In this case the VIPER 400 power supply is not required.
Obviously not all electric locks are compatible with the Miniservice.

AUTONOMOUS PROXIMITY READER

The TAG-10-SA is an access control device that can archive access cards and command the opening of a door, control the status (open/closed) and sound an alarm in the event of unauthorised opening. It works totally autonomously ("SA" means Stand Alone) with no external management board or computer for programming and downloading data. The electronic control unit comprises two interconnected boards:
- The CPU board, which contains the terminals, buzzer, relays and interface for the passive reader
- The keypad board with the buttons, the LED indicators and the antenna for passive proximity reading.

The TAG-10-SA (reader A, master) can connect with a standard TAG-10, currently available (reader B, slave).
This configuration can manage an area with two entry/exit gates, controllable with Anti-Pass-Back. Configuring the reader and acquiring the cards is done using the cards programming kit.
The additional memory, optionally available, can be used to export/import the card list from one TAG-10-SA to a similar product.



Model	description	Item code
TAG10 SA	autonomous proximity reader	403137

Specific accessories	**Item code**
SA CARDS KIT - Programming cards	428198
Aluminium column	401034
Foundation plate for column	737630
Memory for saving data	799348

Cards	**Item code**
FAAC proximity card, numbered, no magnetic strip *(min. 10 pcs)*	786334
Keyring transponder *(min. 10 pcs)*	786323

TECHNICAL SPECIFICATIONS	TAG10 SA
Type of device	Proximity reader
Control board	Integrated
Reading distance	Max. 10 cm
TAGs handled	Cards/Keyrings
External structure	Plastic
Dimensions (mm)	H95 x L70 x D44
Front panel	Plastic
Protection class	IP 54
LED indications	a) programming - b) reading OK
Buzzer	Card recognised, error status
Input	1 door status input - door opening input (button) -
Output	2 relay outputs - 1 open collector output (alarm)
Number of users	500 cards
Control of one door	1 TAG-10-SA - master - 1 TAG-10 - slave
Control of two doors	1 TAG-10-SA (A) - master
Door A	1 TAG-10 (B) - slave
Door B	1 door alarm (A) - 1 door input (A)
Configuration	Cards kit
Power supply	12/24Vdc - 12/21Vac
Absorption	Max. 180 mA
Operating ambient temperature	-10°C ¸ +55°C
Fixing	Wall-mounted or column-mounted
Master-slave connection cable	5 x 0.5 mm, screened (max. 100 m)

AUTONOMOUS READERS / KEYPADS

RESIST-SA is an access control device that can archive codes or cards and command the opening of a door, control the status (open/closed) and sound an alarm in the event of unauthorised opening. It works totally autonomously ("SA" means Stand Alone) with no external management board or computer for programming and downloading data. The electronic control unit comprises two interconnected boards:
- The CPU board, which contains the terminals, buzzer, relays and interface for the passive reader
- The keypad board with the buttons, the LED indicators and the antenna for the passive proximity reader.

RESIST-SA (reader A, master) can connect with a standard RESIST, currently available (reader B, slave).
This configuration can manage an area with two gates, one entry and one exit, controllable with Anti-Pass-Back.
Configuring the reader and acquiring the codes or cards can be done via the keypad or using the kit for card programming.
The additional memory, optionally available, can be used to export/import the list of cards or codes from a Resist-SA to a similar product.


Resist PS SA


Resist T SA


Resist TPS SA

Model	description	Item code
Resist PS SA	autonomous proximity reader	403138
Resist T SA	autonomous keypad	403140
Resist TPS SA	reader + autonomous keypad	403139

Specific accessories	**Item code**
SA CARDS KIT - Programming cards	428198
Resist-Col column in galvanised steel, painted black	401061
Memory for saving data	799348
Cards	
FAAC proximity card, numbered, no magnetic strip *(min. 10 pcs)*	786334
Keyring transponder *(min. 10 pcs)*	786323

TECHNICAL SPECIFICATIONS	RESIST-T-SA	RESIST-PS-SA	RESIST-TPS
Type of device	Keypad	Proximity reader	Keypad con Proximity reader
Control board	Integrated		
Reading distance	-	Max. 5 cm	Max. 5 cm
TAGs handled	-	Cards/Keyrings	Cards/Keyrings
External structure	Pressure die-cast aluminium		
Dimensions (mm)	H100 x L100 x P42		
Front panel	Fibre glass with polycarbonate layer		
Protection class	IP 55		
Type of keypad *(12 buttons in steel)*	(0-9), Enter, Space	-	(0-9), Enter, Space
LED indications	a) programming - b) reading OK		
Buzzer	Code recognised, error status	Card recognised, error status	Card/code recognised, error status
Input	1 door status input - door opening input (button)		
Output	2 relay outputs - 1 open collector output (alarm)		
Number of users	500 PIN codes	500 cards	500 codes or cards
Control of one door	1 Resist-T-SA -1 Resist-T	1 Resist-PS-SA - 1 Resist-PS	1 Resist-TPS-SA -1 Resist-TPS
Control of two doors	1 Resist-T-SA (A)	1 Resist-PS-SA (A)	1 Resist-TPS-SA A
Reader A	1 Resist-T (B)	1 Resist-PS (B)	1 Resist-TPS (B)
Reader B	1 door alarm (A)- 1 door input (A)	1 door alarm (A) - 1 door input (A)	1 door alarm (A) - 1 door input (A)
Configuration	Keypad	Cards kit	Keypad, Cards kit
Power supply	12/24Vdc - 12/21Vac		
Absorption	Max. 180 mA		
Operating ambient temperature	-10°C to 55°C		
Fixing	Wall-mounted or column-mounted		
Master-slave connection cable	5 x 0.5 mm, screened (max. 100 m)		

Attention: the use of the proximity reader complete with keypad is recommended when a large amount of cards must be entered

AUTONOMOUS READERS / KEYPADS

MINITIME-SA is an access control device that can archive cards and command the opening of a door, control the status (open/closed) and sound an alarm in the event of unauthorised opening.
It works totally autonomously ("SA" means Stand Alone) with no external management board or computer for programming and downloading data. The electronic control unit comprises two interconnected boards:
- The CPU board, which contains the terminals, buzzer, relays and interface for the passive reader
- The keypad board with the buttons, the LED indicators and the antenna for passive proximity reading.

MINITIME-SA (reader A, master) can connect with a standard MINITIME currently available (reader B, slave).
This configuration can manage an area with two gates, one entry and one exit, controllable with Anti-Pass-Back.
Configuring the reader and acquiring the Codes or Cards can be done via the keypad or using the kit for card programming.
The additional memory, optionally available, can be used to export/import the list of cards or codes from a MINITIME-SA to a similar product.

Model	description	Item code
Minitime PS SA	autonomous proximity reader	403164
Minitime T SA	autonomous keypad	403162
Minitime TPS SA	reader + autonomous keypad	403163

Specific accessories	Item code
SA CARDS KIT - Programming cards	428198
Minitime aluminium column	401041
Foundation plate for column	737630
Memory for saving data	799348
Cards	
FAAC proximity card, numbered, no magnetic strip *(min. 10 pcs)*	786334
Keyring transponder *(min. 10 pcs)*	786323

TECHNICAL SPECIFICATIONS	MINITIME-T-SA	MINITIME-TPS-SA	MINITIME-PS-SA
Keypad, 12 buttons	yes	yes	no
Type of reader	no	passive proximity	
TAG reading distance	no	max. 5 cm	
Operating principle	stand - alone		
Programming	Via keypad and 3 LEDs		Via cards
Special functions	saving and deleting of cards, operational settings and exit activation times anti-passback management Import/export card archive on additional memory		
Connection of external readers	1 standard reader without keypad or display		
Inputs	2 inputs for button and door status		
Outputs	2 relay outputs for door-opening, 1 open-collector output for alarm		
Inputs	1 door status input – 1 door opening input (push-button)		
Outputs	2 relay outputs – 1 open collector output (alarm)		
Number of users	500 More codes	500 cards	500 codes or cards
Single gate management	entry reader / exit button, entry reader / exit reader, door management with alarm activation		
Double gate management	entry reader, exit reader alarm activation		
Type of enclosure	ABS with painted cover, dimensions H175 L60 D45 mm		
Operating ambient temperature	10° + 55° C		
Power supply	12 - 24 VDC 12 -24 VAC, max. absorption 200 MA		

Attention: the use of the proximity reader complete with keypad is recommended when a large amount of cards must be entered

TIME PEDESTRIAN ACCESS CONTROL READERS

CE

The TIME range of readers with keypad and display are especially suitable for pedestrian access control and for detecting presence. With their enclosure in ABS, they're ideal for outdoor installations as well.
The readers must be connected to a COBRA PLUS control unit.

Time M

Time T

Model	description	Item code
Time M	magnetic reader with keypad and display	403149
Time T	passive proximity reader with keypad and display	403150
Time M T	magnetic and passive proximity reader with keypad and display	403144

Electronic control board: COBRA PLUS management unit (see page 192)
Use: high-security pedestrian access control systems, indoors and outdoors.

TECHNICAL SPECIFICATIONS	TIME M	TIME T
Type of reader	Standard ISO-2 magnetic swipe reader	Passive proximity reader
Type of cards used	ISO-2 magnetic cards	Proximity cards and TAG keyrings at 125 kHz
Reading distance	On contact	Max. 10 cm
Reading of magnetic strip	100% of track	-
Keypad	Standard 12 keys, 0-9 E C, 5 function keys, 4 scroll keys, OK	
Display	16x2 characters, backlit	
Installation of reader	Wall-mounted	
Enclosure	In ABS	
COBRA PLUS installation	External to reader, at max. distance of 40 m	
Electrical connections	Multipolar cable 9 x 0.5 mm^2, screened	
Power supply	From the COBRA PLUS control unit	
Operating ambient temperature	-10°C to +55°C	
Dimensions	H 170 x L110 x D70 mm	

Applications/Functions - the keypad can be used to enter:
codes associated with the card used (double security)
system activation code
justification codes
activation / deactivation codes for other systems (e.g. alarm system etc.)
The information display shows:
calendar with date and time
messages about the tickets/cards used (card valid, card invalid, outside permitted times, etc.)
messages about the codes entered
information messages sent by a central computer

VEHICLE ACCESS CONTROL UNIT WITH UHF 868 REMOTE DETECTION

The AT-4/868 UHF vehicle access control unit has been designed to identify the vehicles equipped with self-adhesive passive TAG applied on the vehicle windscreen. The recognition occurs at a maximum distance of 4 m.

AT-4/868

TAG UHF 868

Model	description	Item code
AT-4/868	AT-4/868 reading unit	103162

Electronic control board
COBRA PLUS control unit (see page 192)

Passive transponders	Item code
TAG UHF 868	786348

Specific accessories	Item code
FG1 Detector	785529
FG2 Detector	785527
Pole for AT-4/868 reading unit	722233
Miniservice board (to supply power to AT-4/868)	790904
Mod. E housing (for miniservice board)	720119

TRASPONDER TECHNICAL SPECIFICATIONS	
Reading unit	for detection up to max. 4 m
TAG Reader	passive UHF 868
Structure	aluminium with articulated support
Installation	wall-mounted or rod-mounted
Front panel	plastic material
Dimensions	200 x 220 x 47 mm
Weight	1 kg
Operating ambient temperature	-20°C to + 55°C
Absorbed current / power supply voltage	1A at 12 V and 0,5A at 24V
Protection class	IP 65
Interface	RS232 or OMROM ISO 7811/2
Max. distance between reader and control unit	50 m

TRASPONDER TECHNICAL SPECIFICATIONS			
Model	**Max. reading distance**	**Fastening**	**Dimensions**
TAG UHF 868	4 m	Self-adhesive	90 x 27 mm (L x H)

Attention: The max. reading range can only be obtained if the following conditions are complied with:
- TAG – reader front alignment
- TAG fastened in horizontal position
- TAG applied on unshielded glass
- Cannot be used for mixed vehicle access control – cars and trucks/coaches

The self-adhesive TAG can be damaged if removed

AT4 / AT-8: VEHICLE ACCESS CONTROL UNIT WITH DETECTION AT A DISTANCE AND AT SPEED

The AT-4 and AT-8 control unit is designed to identify vehicles equipped with TAGs active at 2.45 GHz, installable on the windscreen of the vehicle using sucker cups. Double identification is possible (for vehicle and driver), with the PROX-BOOSTER active transponder.


AT-4


AT-8


Prox-Booster


Compact TAG


Window button

Model	description	Item code
AT - 4	Reading unit for 2.45 GHz long-range active transponders	103161
AT - 8	Reading unit for 2.45 GHz long-range active transponders	1030537

Electronic control board

COBRA PLUS management unit (see page 192)

2.45 GHz LONG-RANGE active transponders	**Item code**
COMPACT TAG	403153
WINDOW BUTTON	786341
PROX-BOOSTER - (active TAG ready to receive passive card)	786347
2.45 GHz LONG-RANGE active transponders	
Proximity card for PROX-BOOSTER	
FG1 Detector	785529
FG2 Detector	785527
Pole for AT-4 and AT-8	722233

TECHNICAL SPECIFICATIONS	AT 4	AT8
Reading unit	for detection up to 4 m	for detection up to 8 m
Detection speed	STOP and GO	max. 200 km/h
TAG reader	Active at 2.45 GHz	
Structure	in aluminium on articulated support	in stainless steel on articulated support
Installation	wall-mounted or on stake	
Front panel	plastic material	
Dimensions	200 x 220 x 47 mm	310 x 250 x 100 mm
Weight	1 kg	5 kg
Operating ambient temperature	-20°C to + 55°C	
Power supply voltage	12 - 24 Vdc	230 V~ (+6% -10%) 50 (60) Hz
Absorbed current	1A (12Vdc) - 0,5A (24Vdc)	125 mA
Protection class	IP 65	
Interface	RS232 or OMROM ISO 7811/2	
Identification signal	-	buzzer
Max. distance between reader and control unit	50 m	

TRASPONDER TECHNICAL SPECIFICATIONS

Model	Reading distance	Power supply	Fixing	Dimensions
COMPACT TAG	5 m	Lithium battery, 5 year life	slot	86 x 59 x 5 mm (L x H x D)
WINDOW BUTTON	8 m	Lithium battery, 10 year life	one suction cup	Ø 75 mm P 30 mm
PROX-BOOSTER	8 m	Lithium battery, 10 year life	three suction cups	116 x 72 x 32 mm (L x H x D)

Use: vehicle access control with detection at a distance and at speed.

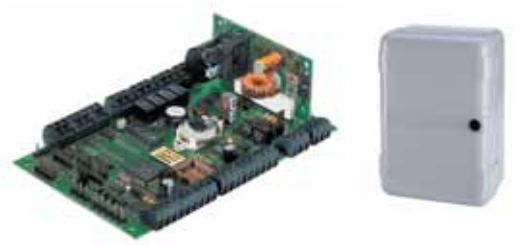
Applications: identification without stopping the vehicle, dynamic control of vehicle access, vehicle fleet management with identification of vehicle and driver (PROX-BOOSTER).

Cobra 5000 Plus

CONTROL UNIT

The new COBRA PLUS control unit, together with the new ACCESSPLUS software, allows the setup of access control systems of any type and size and can handle over 5000 readers with LAN network connection.
All the technologies for handling access cards and their readers are managed by the COBRA PLUS units.
Memory capacity for up to 65,000 users, management of 999 time frames on a weekly basis, management of annual calendar with holidays if online with the ACCESSPLUS software.

The supply of the control unit includes BASIC LITE software (free of charge) suitable to program COBRA PLUS operating in stand alone mode.



Model	description	Item code
Cobra 5000 Plus	Supplied with stabilised power supply and enclosure LM (IP55)	316030

Specific accessories	Item code
Battery 12 Volt 1.2 Ah	390675
Converter ETH-485-232	103123
Converter ETH-MOD-V	103073

COBRA PLUS TECHNICAL SPECIFICATIONS

Access control system	Pedestrian and vehicle
CPU	16/32 bit
Program memory	512 Kbyte flash memory, updatable via serial port, containing all functional variants
Tables + transactions memory	512 Kbyte buffered RAM
Serial ports	1 RS 232 serial port - 1 auxiliary RS 232 serial port - 1 RS 485 serial port 1 RS 485 serial port for subnet management
Operating principle	In stand-alone mode if configured from a laptop PC, or on a network with a PC
Readers management	Max. 2 readers (4 with MIXER board)
User management (stand-alone)	Variable from 10 to 15,000 - Preset to 5,000
Readings archive management (stand-alone)	Variable from 200 (15,000 cards) to 51,000 (10 cards) - Preset to 34,189 with 5,000 users
Time bands management (stand-alone)	255
Parking lanes management	1 or 2, programmable
Single door management	entry reader, exit button; entry reader, exit reader possibility of door status management with alarm activation
Double door management	reader on gate A; reader on gate B on both, exit buttons can be installed and also door status management and alarms
PIN management	Via connection with a reader equipped with display + keypad (PIN and PIN+card)
Inputs and outputs	6 inputs, 1 anti-intrusion tamper, 4 relay outputs 230 V (+ 6% to 10%)
Power supply voltage	230 Vac

BASIC LITE SOFTWARE FUNCTIONAL CHARACTERISTICS (supplied free of charge with Cobra Plus unit)

Simple and easy to install, it has been designed for Cobra Plus units that operate in stand-alone mode.

- enables basic configuration for Cobra Plus units in stand-alone mode: authorised cards are always read without expiry, possibility to enable antipass-back control access rights to enable reader A, B or A&B output activation (i.e. alarm) for unauthorised cards, card loading rapid procedure (i.e. from 1 to 100)
- multi-site management: the software records the Cobra setting for the various sites
- you do not need to purchase it since it is supplied free of charge together with the Cobra Plus units

AccessPlus software required for advanced management, vehicle count, loop control, door status control.

MANAGEMENT SOFTWARE

ACCESSPLUS software is suitable to manage all FAAC pedestrian & vehicular access control readers. The software manages a series of archives of user information, identification criteria for personnel subject to checking, operation modes, both for the control units and for the readers installed at the gates and accesses of controlled areas.
It handles up to 65,535 users and includes the module ACCESSPLUS NET, (free of charge) for monitoring and sharing of the archives of an ACCESSPLUS installed on another PC and LAN network.

ACCESSORIES FOR PC	**Item code**
Interface converter INT-232-485-ISO (4 lines)	103093
USB-Opto485 converter (*)	103183
Analogic modem for access control	316017

SOFTWARE	
ACCESSPLUS software	779079

SOFTWARE TECHNICAL SPECIFICATIONS	
Operating system	Microsoft Windows (7/XP/VISTA)
Access	confidential password
Communication	serial port/USB*/LAN
Identification	transponder cards, magnetic card, PIN code
User associations	unlimited level of accesses
Logistics controls	enabled zones, movements, anti-pass back, entering amounts
Time controls	999 time bands/week
Conditioning of opening	level of accesses, time bands, PIN codes, temporary disablings

Note: (*) the device allows programming of control unit by PC without port RS232.
USB-Opto 485 converter does not allow permanent on line link.
It does not work if linked to an USB HUB.

PASSIVE TRANSPONDERS AND CARDS

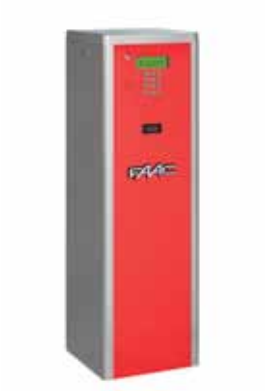
Magnetic and proximity cards are available in STANDARD ISO format (credit card; 86x54x0.78 mm).
Proximity cards are also available in the comfortable keyring format.
For all types of cards, the minimum order must be of at least 10 pieces except for customised cards (see footnote).

Model	**Item code**
FAAC magnetic **badge**, numbered and coded	786320
Customised magnetic **card** according to customer's needs	786339
White proximity **card** without magnetic strip	786335
White proximity **card** numbered without magnetic strip	786336
FAAC proximity **card** numbered without magnetic strip	786334
Customised proximity **card** according to customer's needs	786340
White proximity **card** numbered with neutral magnetic strip	786337
White proximity **card** numbered with coded magnetic strip	786338
Proximity **card** with magnetic strip, customised according to customer's needs	786343
Transponder key-case format	786323

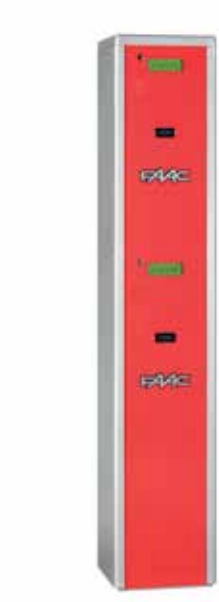
Notes: (**) For the supply of customised cards, please contact FAAC S.p.A. sales offices in your area to request an offer.
Minimum quantity to be agreed.

Card readers

GATE PLUS



GATE PLUS WITH KEYBOARD



GATE PLUS DL

GATE PLUS DL WITH KEYBOARD

TECHNICAL SPECIFICATIONS

	GATE PLUS	GATE PLUS WITH KEYBOARD	GATE PLUS DL	GATE PLUS DL WITH KEYBOARD
Proximity card reader	For frequent users; 125 kHz cards		n.2 readers for frequent users; 125 kHz cards	
Outdoor Cabinet	With access from both sides			
Load-bearing structure	Extruded aluminium			
Doors	Extruded aluminium painted RAL 9006			
Front/rear side panel	Selfextinguishing and weather- resistant PVC, painted RAL 3020			
LCD Display	Backlit LCD Dispaly 4 x 20 characters		2 Backlit LCD Dispalys 4 x 20 characters	
Keyboard	-	12 buttons antivandalism Keyboard for entering the PIN code		2 keyboards with 12 buttons antivandalism for entering the PIN code
Intercom and call button	Optional (set up - ready)		Optional (set up – ready for two intercoms and keyboards)	
Dimensions (L x W x H) mm	360x360x1220		360x360x1930	
Weight (kg)	43		57	
Operating temperature	0-40°C			

ATTENTION: The complete installation is equipped with the Controller PLUS, heater and fan if necessary according to the local weather conditions. These devices have to be ordered separately.

Model	Description	Item code
Gate Plus	Card reader	103168
Gate Plus with keyboard	Card reader and keyboard	103170
Gate Plus DL	Double level card reader	103175
Gate Plus DL with keyboard	Double level card reader and keyboard	103176

ELECTRONIC CONTROL BOARDS

Controller PLUS
- Included in LM IP 55 Enclosure
- Dimensions L240xD140xH350 mm
- Power Supply: 230-115VAC/50Hz
- Max. Absorbed Power: 16 W
- Weight 3,5 kg

Item Code 103167

MIXER CONTROL BOARD
Interface for combining two different technologies readers

Item Code 790910

ACCESSORIES

Detector for Plus Controller (includes detector FG2)

Item Code 102587

Intercom Kit

Item Code 102592

Heater with integrated thermostat for Gate Plus readers:
- Power Supply: 230 Vac
- Max Absorbed Power: 200 W

For achieving operating temperature up to -20°C

Fan Gate Plus readers:
- Power Supply:230 Vac
- Max Absorbed Power 16 W

For achieving operating temperature up to + 50°C

Gate Plus columns foundation plates

Item Code 490142

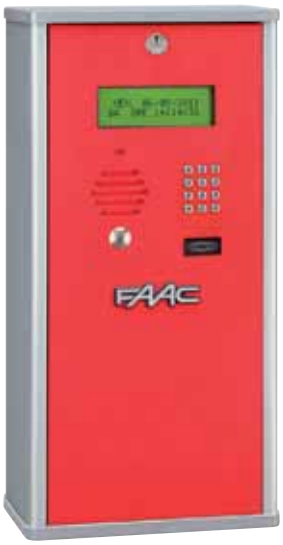
Item Code 63000061

Item Code 63000062

Cable for Fan with integrated thermostat

Item Code 63000063

Door Plus with keyboard



TECHNICAL SPECIFICATIONS

	DOOR PLUS
Proximity card reader	For frequent users; 125 kHz cards
Outdoor Cabinet	Front-access
Load-bearing structure	steel sheeting painted RAL 9006
Fixing	Wall or on support pole
Front/rear panel	Selfextinguishing and weather- resistant PVC, painted RAL 3020
LCD Display	Backlit LCD Dispaly 4 x 20 characters
Keyboard	12 buttons antivandalism Keyboard for entering the PIN code
Electronic Control Board	For connection to the concentrator via RS485 o LAN
Intercom and call button	Optional (set up - ready)
Power Supply	230-115 VAC/50Hz
Max.Absorbed Power	60 W
Dimensions (l_ x W x H) mm	265 x 150 x 545
Weight (kg)	11
Operating temperature	0-40°C

ATTENTION: The complete installation includes the heater and the fan if necessary according to the local weather conditions. These devices have to be ordered separately.

Model	Description	Item code
Door Plus	Card reader with keypad	103181

ACCESSORIES

Support Pole (45x1,5x3000mm)

Item Code 103182

Heater with integrated thermostat for Door Plus readers:
• Power Supply: 230 Vac
• Max Absorbed Power: 25 W
For achieving operating temperature up to -20°C

Item Code 63000074

Fan Door Plus readers:
• Power Supply: 24 V
• Max Absorbed Power 2 W
For achieving operating temperature up to
+ 50°C

Item Code **63000073**

Fan cable with integrated thermostat

Item Code 63000063

Intercom Kit

Item Code 102592

Bollards

FAAC Traffic bollards - J line

FAAC solutions to control vehicle transit in residential, commercial, industrial and urban areas with limited traffic, as well as for safety applications in perimeter protection.

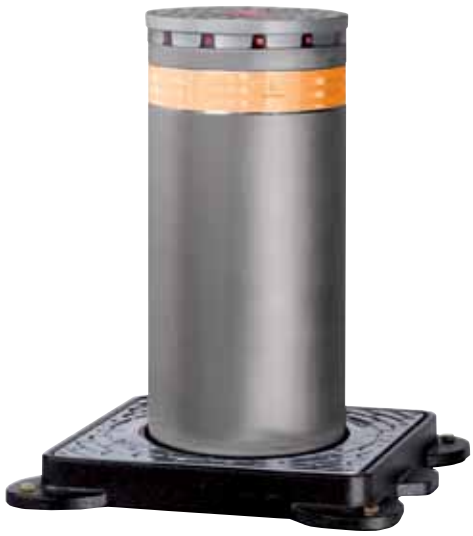
FAAC solutions represent an elegant and functional alternative to fixed bollards, gates, barriers, chains and similar.
The bollard defines pedestrian areas during peak times or permanently, it enables only authorized means (business owners, residents, hotel guests, garage customers, taxi, owners of parking spaces) to enter and/or exit from certain areas, it defines parking places, squares or sidewalks and protects sensitive areas, such as embassies, coastlines, military installations, etc.

Lines	Application	Type	Use	Certificates
J200 line	RESIDENTIAL AREAS	**(HA)** Automatic	To control vehicle access to residential areas	
		(F) Fixed	To complete installations together with other retractable models for access road	
J275 line	COMMERCIAL, INDUSTRIAL AREAS AND URBAN PASSAGES	**(HA)** Automatic	To control vehicle access to commercial and industrial areas as well as urban passages	
		(SA) Semi-Automatic	To control vehicle access to old town centers, areas difficult to wire or areas occasionally open to traffic	
		(F) Fixed	To complete installations together with other retractable models for access road	
J355 M30-P1 line	CERTIFIED PERIMETER SAFETY	**(HA)** Automatic	To delimit, protect and control vehicle access to sensitive areas (embassies, military areas, etc.) and sites with special safety requirements	

J275 HA

Retractable traffic bollard

automatic



The J275HA automatic retractable traffic bollard is recommended when many transits are expected per day. It can be operated by means of commands performed by authorized personnel or by means of automatic commands.

1. Guaranteed for a high use frequency
2. Rapid and silent movements
3. "Full optional" product; it is supplied already equipped with the main accessories
4. Extreme care in the material selection
5. Simple maintenance (can be performed by a single person)
6. Perfect interchangeability with first generation bollards

CE

DIMENSIONS AND TECHNICAL CHARACTERISTICS

Movement	Hydraulic operator	
Cylinder stroke	600 mm	800 mm
Cylinder diameter	275 mm	
Cylinder material, standard version	Fe 360 steel (7mm thick)	
Standard cylinder surface treatment	Cataphoresis and polyester powder painted RAL 7021 metallic dark grey	
Cylinder material, stainless steel version	AISI 316 satin finished (6mm thick)	
Cylinder head	Aluminium RAL 9006	
Rising time	Approx. 5 sec	Approx. 7 sec
Lowering time (standard)	Approx. 2.8 sec	Approx. 3.5 sec
Lowering time (rapid) (*)	Approx. 1 sec	Approx. 1.2 sec
Hydraulic pump	Power supply 230 Vac +6% - 10%; 50 Hz	
Absorption	220 W	
Protection class	IP 56	
Recommended use	Intensive use (Traffic)	
Standard reflecting strip	Height 55 mm	
Manual lowering operation	With hydraulic circuit mechanical release	
Impact resistance	38 KJoules/painted steel - 67 KJoules/stainless steel	
Crash resistance	128 KJoules/painted steel - 207 KJoules/stainless steel	
Total weight	112kg (bollard) + 55kg (pit)	130kg (bollard) + 65kg (pit)
Operating ambient temperature	-15 °C / +55 °C	
Operating ambient temperature with heater (optional)	-25 °C / +55 °C	
Pit to wall in with modular cylindrical profile	560x560x950 mm	560x560x1.220 mm
Connection cable	Standard 16+1 conductor cables, minimum section 1.5mm (not supplied)	
Max. length	50 mt	

**When operated by the safety switch*

STANDARD VERSIONS IN PAINTED STEEL

Models	Height	Finish	Item code
J275 HA 600	600 mm	Painted steel	116000
J275 HA 800	800 mm		116001

The product features:
- cylinder in stainless steel, thickness 7 mm cataphoresis treatment and painted
- powder painted dark grey metallised RAL 7021
- crown-shaped flashing lamp with central LED
- movement reporting buzzer
- emergency lowering in case of power cut (can be overridden)

STANDARD VERSIONS IN SATIN FINISH STAINLESS STEEL AISI 316

Models	Height	Finish	Item code
J275 HA 600	600 mm	stainless steel AISI 316 satin finish	116030
J275 HA 800	800 mm		116031

The product features:
- cylinder in stainless steel thickness 6 mm satin-finished
- crown-shaped flashing lamp with central LED
- movement reporting buzzer
- emergency lowering in case of power cut (can be overridden)

CONTROL BOARDS

JE275 bollard control board
it controls up to max 4 bollards,
type J275 HA

Item code 116300

INSTALLATION ACCESSORIES

JP 275/600 pit for bollard H600 including counterframe

Item code 116100

JP 275/800* pit extension for bollard H800*

Item code 116101

(*) both elements are requested for the 800 mm version 116100 + 116101.

OPTIONAL ACCESSORIES

JH275 pit heater for (to extend operation down to -25°C)

Item code 116200

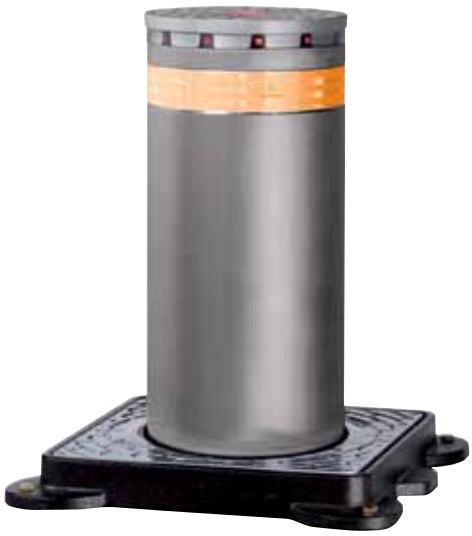
JC275 pit cover

Item code 116201

J275 SA

Retractable traffic bollard

semi-automatic



This bollard solves any transit and/or park control problems without the need of an electric power supply (particularly suitable for old town centers and areas difficult to wire). In fact, thanks to a gas operator, raising occurs automatically by means of a key release. Lowering occurs by a foot pressure on the bollard head.

1. Power supply and wiring not requested
2. Simple and safe movements thanks to the dedicated release key
3. "Full optional" product; it is supplied already equipped with the main accessories
4. Kept lock in rised position (against accidental release)
5. Very simple maintenance

CE

DIMENSIONS AND TECHNICAL CHARACTERISTICS

Movement	Gas actuator
Cylinder stroke	600 mm
Cylinder diameter	275 mm
Cylinder material, standard version	Fe 360 steel (7mm thick)
Standard cylinder surface treatment	Cataphoresis and polyester powder painted RAL 7021 metallic dark grey
Cylinder material, stainless steel version	AISI 316 satin finished (6mm thick)
Cylinder head	Aluminium RAL 9006
Rising	Key release for automatic rising, with gas operator
Lowering	Key release to lower, with pressure on the cylinder head
Standard reflecting strip	Height 55 mm
Impact resistance	38 KJoules/painted steel - 67 KJoules/stainless steel
Crash resistance	128 KJoules/painted steel - 207 KJoules/stainless steel
Total weight	70kg (bollard) + 55kg (pit)
Pit to wall in with modular cylindrical profile	560x560x950 mm

STANDARD VERSIONS IN PAINTED STEEL

Models	Height	Finish	Item code
J275 SA 600	600 mm	Painted steel	116050

The product features:
- cylinder in stainless steel, thickness 7 mm cataphoresis treatment and painted
- powder painted dark grey metallised RAL 7021
- crown-shaped flashing lamp with central LED*
- mechanical lock in raised position with special release key

STANDARD VERSIONS IN SATIN FINISH STAINLESS STEEL AISI 316

Models	Height	Finish	Item code
J275 SA 600	600 mm	stainless steel AISI 316 satin finish	116060

The product features:
- cylinder in stainless steel thickness 6 mm satin-finished
- crown-shaped flashing lamp with central LED*
- mechanical lock in raised position with special release key

(*) The power supply (24 Vdc) and the cable (2x1.5 mm) for the flashing lamp are not supplied.

INSTALLATION ACCESSORIES

JP 275/600 pit for bollard H600 including counterframe

Item code 116100

OPTIONAL ACCESSORIES

JC275 pit cover

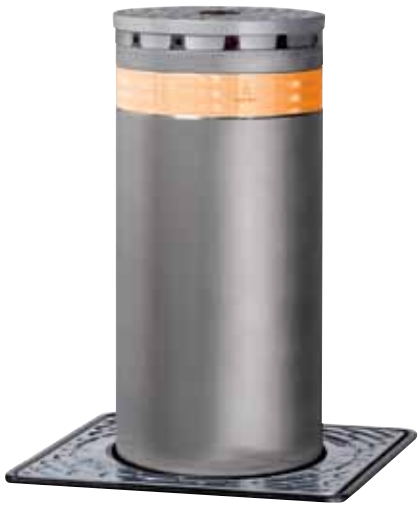
Item code 116201

Release key kit (5 units)

Item code 390084

J275 F

Fixed traffic bollard



CE

The FAAC J275 Fixed traffic bollard does not require either invasive laying operations, or electric wiring.
It is therefore suitable for permanent installations in order to define pedestrian areas, or for mixed installations together with other automatic or semi-automatic bollards.

1. Power supply and wiring not requested
2. Simple laying and limited excavation
3. Guarantees aesthetic coherency in multiple installations together with retractable bollards.

DIMENSIONS AND TECHNICAL CHARACTERISTICS

Cylinder height	600 mm	800 mm
Cylinder diameter	275 mm	
Cylinder material, standard version	Fe 360 steel (4mm thick)	
Standard cylinder surface treatment	Cataphoresis and polyester powder painted RAL 7021 metallic dark grey	
Cylinder material, stainless steel version	AISI 316 satin finished (3mm thick)	
Cylinder head	Aluminium RAL 9006	
Standard reflecting strip	Height 55 mm	
Crash resistance	35 KJoules/Painted steel-59 KJoules/stainless steel	
Total weight	34 kg (bollard)	38 kg (bollard)
Frame to wall in	450 x 450 x 30 mm	

STANDARD VERSIONS IN PAINTED STEEL

Models	Height	Finish	Item code
J275 F 600	600 mm	Painted steel	116020
J275 F 800	800 mm		116021

The product features:
- cylinder in stainless steel, thickness 4 mm cataphoresis treatment and painted
- powder painted dark grey metallised RAL 7021
- crown-shaped flashing lamp with central LED*

SPECIAL VERSIONS IN SATIN FINISH STAINLESS STEEL AISI 316

Models	Height	Finish	Item code
J275 F 600	600 mm	stainless steel AISI 316 satin finish	116040
J275 F 800	800 mm		116041

The product features:
- cylinder in stainless steel thickness 3 mm satin-finished
- crown-shaped flashing lamp with central LED*

(*) The power supply (24 Vdc) and the cable (2x1.5 mm) for the LED lights are not supplied.

INSTALLATION ACCESSORIES

JPF275 fixing frame for the fixed bollard

Item code 116120

OPTIONAL ACCESSORIES

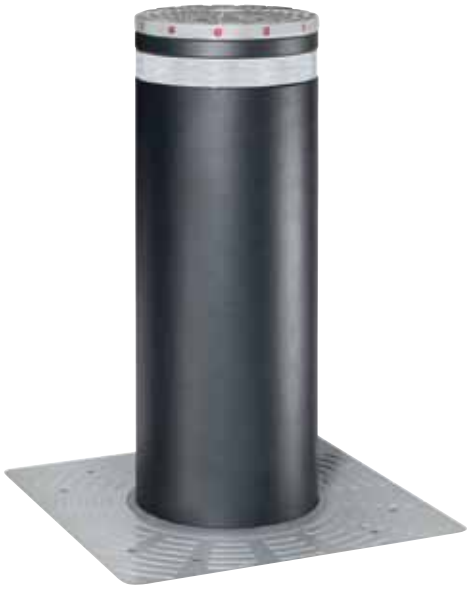
JC275 pit cover

Item code 116201

J 355 M30-P1 HA

Retractable security bollard

automatic



The FAAC J355HA-M30-P1 bollard is certified for the use in perimeter security; it has been purposely designed for the protection of sensitive areas, such as airports, embassies, consulates, banks, harbors, etc.
The FAAC J355HA-M30-P1 bollard has been tested according to the American standards "ASTM F 2656-07 - Standard Test Method for Vehicle Crash Testing of Perimeter Barriers", obtaining thus the certification for the highest penetration rate. The class M30-P1 indicates that the bollard FAAC J355 is able to stop a 6800kg truck at a speed of 50Km/h (=30M/h) in 1 meter (P1).

The bollard is also available in the EFO (Emergency Fast Operation) version, that guarantees a very rapid rising speed (1.5s) to increase the protection level.

1. Tested according to the American standards ASTM F 2656-07 M30
2. "Full optional" product; it is already equipped with the main accessories
3. Guaranteed for a high use frequency
4. Kept lock in rised position also in the event of power failure
5. Extreme care in the material selection
6. Also available in EFO (Emergency Fast Operation) version for very rapid rising

CE

DIMENSIONS AND TECHNICAL CHARACTERISTICS

Movement	Hydraulic operator
Cylinder stroke	1.000mm
Cylinder diameter	355 mm
Cylinder material	Steel S355JR EN10210 (16mm thick)
Standard cylinder surface treatment	Cataphoresis and polyester powder painted RAL 7021 metallic dark grey
Cylinder material, stainless steel version	AISI 316 satin finished
Cylinder head	Aluminium RAL 9006
Rising time	Standard version - approx. 6 sec / EFO version - approx. 1.5 sec
Lowering time (standard)	Approx. 2 sec
Hydraulic pump	Power supply 230 Vac +6% - 10%; 50 Hz
Absorption	1.200W
Max. supplied power	5.000N
Protection class of the junction box	IP 66
Recommended use	Security applications
Standard reflecting strip	Height 55 mm
Impact resistance	150 Kjoules
Crash resistance	656 KJoules (according to the ASTM standards F2656-07 - M30)
Classe di carico	C25 (25t)
Total weight	490kg (bollard) + 250kg (pit)
Operating ambient temperature	-15 °C / +55 °C
Operating ambient temperature with heater (optional)	-40 °C / +55 °C
Pit to wall in	570x690x1665 mm
Connection cable	Standard 16+1 conductor cables, minimum section 1.5mm (not supplied)
Max. length	50 mt

STANDARD VERSIONS IN PAINTED STEEL

Models	Height	Finish	Item code
J355 HA M30-P1	1.000 mm	Painted steel	116002
J355 HA M30-P1 EFO			116003

The product features:
- cylinder in stainless steel, thickness 16 mm cataphoresis treatment and painted
- powder painted dark grey metallised RAL 7021
- crown-shaped flashing lamp with LED lights
- hydraulic lock in raised position (in the event of power failure)
- tight pit in galvanized sheet with connection for liquid recovery
- emergency circuit for a rapid rising (only EFO version)

STANDARD VERSIONS IN SATIN FINISH STAINLESS STEEL AISI 316

Models	Height	Finish	Item code
J355 HA M30-P1	1.000 mm	stainless steel AISI 316 satin finish	116032
J355 HA M30-P1 EFO			116033

The product features:
- steel cylinder, 16 mm thick, with cataphoresis treatment and «sleeve» in stainless steel satin-finished
- crown-shaped flashing lamp with LED lights
- hydraulic lock in raised position (in the event of power failure)
- tight pit in galvanized sheet with connection for liquid recovery
- emergency circuit for a rapid rising (only EFO version)

CONTROL BOARDS

JE275 bollard control board
it controls 1 J355 M30-P1 bollard

Item code 116300

INSTALLATION ACCESSORIES

Pit heater for J355

Item code 116202

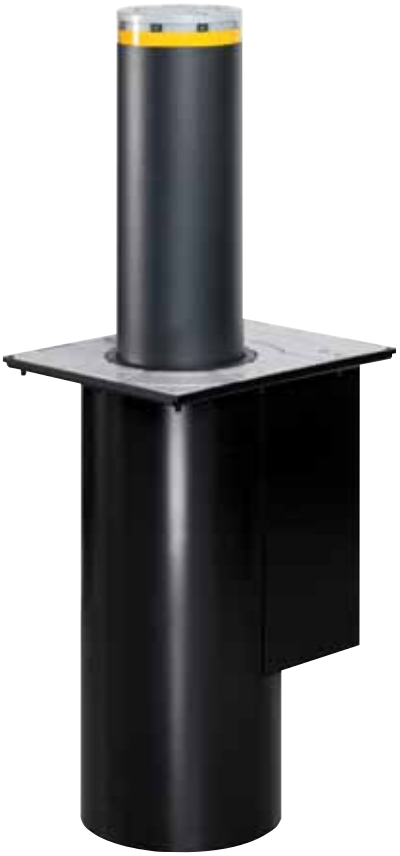
J355 Manual release kit

Item code 116102

J200 HA

Retractable bollard for traffic control in residential areas

automatic



The FAAC J200HA Automatic retractable traffic bollard is particularly suitable for controlling vehicle traffic in residential areas, thus guaranteeing a smart control, being however careful about the aesthetic impact. It can be operated by means of commands performed by authorized personnel or by means of automatic commands.

1. Rapid and silent movements
2. Streamlined product, it can be configured by selecting the desired installation accessories
3. Easy transport, storage and laying thanks to the limited weight
4. Simple maintenance (can be performed by a single person)

CE

DIMENSIONS AND TECHNICAL CHARACTERISTICS

Movement	Hydraulic operator
Cylinder stroke	600 mm
Cylinder diameter	200 mm
Cylinder material, standard version	Fe 360 steel (6mm)
Standard cylinder surface treatment	Cataphoresis and polyester powder painted RAL 7021 metallic dark grey
Cylinder material, stainless steel version	AISI 316 satin finished (6mm thick)
Cylinder head	Aluminium RAL 9006
Rising time	Approx. 5 sec
Lowering time	Approx. 7 sec
Hydraulic pump	Power supply 230 Vac +6% - 10%; 50 Hz
Absorption	230 W
Protection class	IP 56
Recommended use	Use in residential applications
Standard reflecting strip	Height 25 mm
Manual lowering operation	With hydraulic circuit mechanical release
Total weight	90kg
Operating ambient temperature	-15 °C / +55 °C
Operating ambient temperature with heater (optional)	-25 °C / +55 °C
Overall dimensions	400x500x800 mm
Connection cable	Standard 16+1 conductor cables, minimum section 1.5mm (not supplied)
Max. length	50 mt

STANDARD VERSIONS IN PAINTED STEEL

Models	Height	Finish	Item code
J200 HA 600	600 mm	Painted steel	116500

The product features:
- cylinder in stainless steel, thickness 5 mm cataphoresis treatment and painted
- powder painted dark grey metallised RAL 7021
- hydraulic lock in raised position (in the event of power failure) with special release key
- supporting structure to cement, cataphoresis treatment (pit not required)

STANDARD VERSIONS IN SATIN FINISH STAINLESS STEEL AISI 316

Models	Height	Finish	Item code
J200 HA 600	600 mm	stainless steel AISI 316 satin finish	116505

The product features:
- cylinder in stainless steel thickness 5 mm satin-finished
- hydraulic lock in raised position (in the event of power failure) with special release key
- supporting structure to cement, cataphoresis treatment (pit not required)

CONTROL BOARDS

JE275 bollard control board
it controls up to max 4 bollards, type J275 HA

Item code 116300

OPTIONAL ACCESSORIES

Pit heater for J200HA

Item code 116501

Release kit with pressure switch for J200HA

Item code 116502

Acoustic signal for J200HA

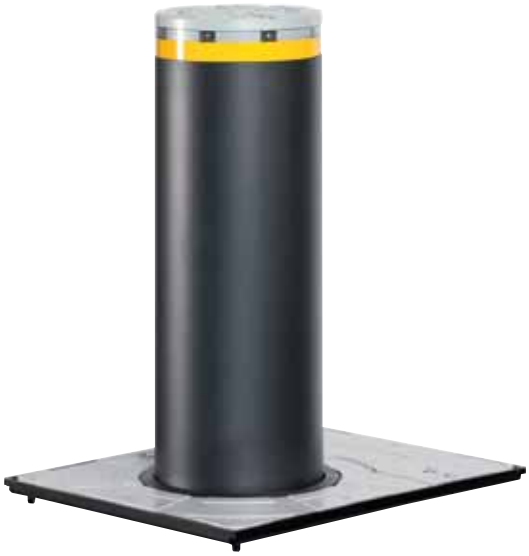
Item code 116503

LED lights kit for J200HA

Item code 116504

J200 F

Fixed bollard for traffic control in residential areas



The FAAC J200 Fixed traffic bollard does not require either invasive laying operations or electric wiring.
It is therefore suitable for permanent installations to define residential pedestrian areas or for multiple installations together with other automatic or semi-automatic bollards.

1. Power supply and wiring not required
2. Simple laying and limited excavation
3. Careful about the aesthetic aspect in mixed installations together with other retractable bollards
4. Easy transport, storage and laying thanks to the limited weight of the product

CE

DIMENSIONS AND TECHNICAL CHARACTERISTICS

Cylinder height	600 mm
Cylinder diameter	200 mm
Cylinder material, standard version	Fe 360 steel (6mm thick)
Standard cylinder surface treatment	Cataphoresis and polyester powder painted RAL 7021 metallic dark grey
Cylinder material, stainless steel version	AISI 316 satin finished (6mm thick)
Cylinder head	Aluminium RAL 9006
Standard reflecting strip	Height 25 mm

STANDARD VERSIONS IN PAINTED STEEL

Models	Height	Finish	Item code
J200 F 600	600 mm	Painted steel	116506

The product features:
- cylinder in stainless steel, thickness 5 mm cataphoresis treatment and painted
- powder painted dark grey metallised RAL 7021
- supporting structure to cement, cataphoresis treatment (pits are not needed)

STANDARD VERSIONS IN SATIN FINISH STAINLESS STEEL AISI 316

Models	Height	Finish	Item code
J200 F 600	600 mm	stainless steel AISI 316 satin finish	116507

The product features:
- cylinder in stainless steel thickness 5 mm satin-finished
- supporting structure to cement, cataphoresis treatment (pits are not needed)

OPTIONAL ACCESSORIES

LED lights kit for J200HA

Item code 116504

Product

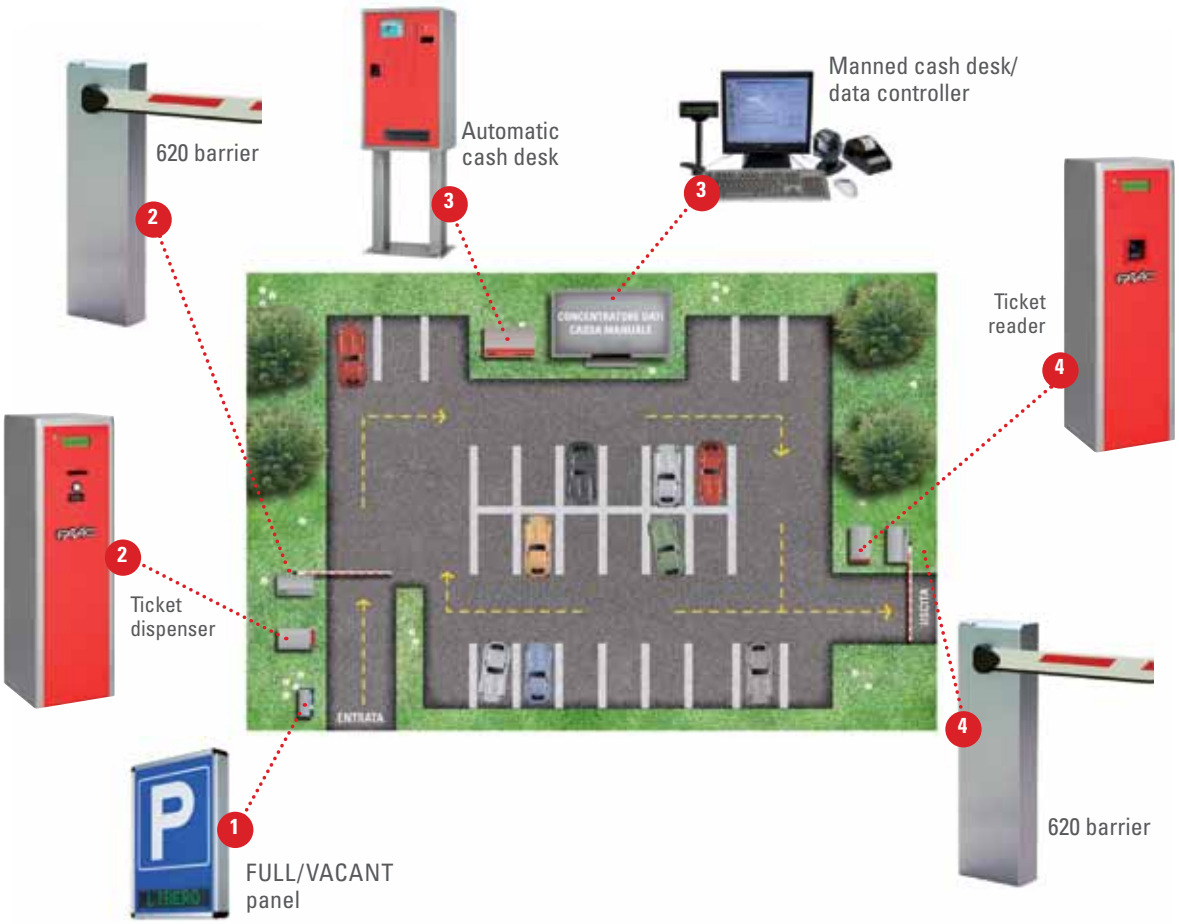
FAAC

Parking

CONFIGURATION WITH MANUAL AND AUTOMATIC CASH DESK

Manual cash desk/data controller management from PC – programming by PL TOP software
Thanks to this solution continuous operation with or without manned cash desk is possible

Diagram of the system



1. FULL/VACANT panel with LED
2. Single-stay user entry via ticket dispenser and subscriber user entry via card reader
3. Payment at manual cash desk with attendant assistance during manned operating times or at automatic cash desk with ticket validation with allowance time to exit.
4. Single-stay user exit with paid ticket and subscriber user exit with read card.

ENTRANCE MANAGEMENT VIA TELEPHONE

The Jcall system enables you to open an entrance with just a simple ring of a mobile telephone, recording the event and without any charges for the user.

SIMPLE TO USE
Just a mobile phone ring is necessary to command the opening of an entrance
Cards or remote controls are not required and it can be used with any other traditional opening system already present
Easy install and programmable via PC and SMS.

SAFE
Access is only allowed to enabled users. No sureties or returns are required.
Customisable access permissions authorisations ; expiry according to time frames, week days and months
Easy consultation in local mode of the accesses performed during the last 30 days.
Lock of all accesses via SMS
Password-protected programming

ECONOMIC
Simple local wiring
The call has no charges for the user

A single device recognises up to 2000 users and controls up to 10 accesses (with optional expansion circuit)

THE JCALL KIT INCLUDES:

JCALL CONTROL UNIT
- GSM high gain antenna with magnetic base
- Network power supply
- A solid-state power relay for connection to the movement contact
- GPIO connector wired on the solid-state relay
- Installation CD for the management software via PC Jcall Manager
- 10 additional electrical contacts for the GPIO connector Jcall System

Model	Description	Item code
Jcall Standard	Jcall Standard Kit	790291
Exp I/O	Expansion circuit for Jcall kit	776031

TECHNICAL SPECIFICATIONS OF JCALL CONTROL UNIT	
Operating ambient temperature	from -30°C to +70°C
Power supply	8-30V DC
Average current consumption	At rest: 3 mA During calls: 300 mA
Output port for programming and monitoring via PC	Serial port RS232
Inputs/Outputs	10 on GPIO connector
Frequency band	Quadri-band GSM 850/900/1800/1900MHz
Unit dimensions	13.0cm x 9.0cm x 3.7cm
Unit approx. weight	190g
FUNCTIONAL CHARACTERISTICS OF THE JCALL SYSTEM	
Jcall unit	up to 10 gates and access for differentiated user groups
Number of managed users	Up to 2000, can be organised in groups with differentiated access authorisations
Expiry check	By group and by single user
Time bands	Up to 4 daily time frames
Access authorisation	Time frames, week days, months
Programming	via PC, SMS
Input monitoring	Possibility to monitor entrances controlled via external devices
Access register	Last 30 days

GENERAL CONDITIONS OF SALE FOR PARKING SYSTEMS

Prices

This price list comes into force from the date shown on the cover.
Prices are in (euro), net of VAT.
FAAC reserves the right to modify this price list at any time, giving suitable notice of such changes to its Sales Network.

General information

The system must be built using FAAC components only. Every system must be built in compliance with current Good Technical and Safety Standards (EN 12453, EN 12445). FAAC declines all responsibility for defects and problems which arise due to failure to comply with safety standards. FAAC is not responsible for compliance with Good Technical standards in relation to the preparation of the system. The descriptions and illustrations in this document are not binding. FAAC reserves the right, at any time and without updating this publication, to make modifications that it considers appropriate, for technical improvements or for any other reason of a constructive and/or commercial nature.

Delivery

The delivery deadline indicated on the order confirmation shall not constitute a fundamental condition of the contract. Products are sold FCA, taken to mean both at the Zola Predosa factory and at the Peripheral Depots. In any case all risks deriving from transport shall be the buyer's responsibility, including the case where different return conditions may be agreed. Transport may be insured at the buyer's explicit request, paid for by the buyer. Claims for missing or damaged goods must be made immediately in writing on the delivery note and countersigned by the transporter.

Payment

On amounts owed and unpaid by the buyer within the agreed times, FAAC reserves the right to charge penalty interest at the EURIBOR rate plus 5 points, without prejudice to FAAC's right to compensation for further damages and costs. FAAC reserves the right to suspend supply in the event of postponed payment, in all cases where irregularities or delays arise with payments, or if the buyer's overall amount of exposure exceeds the credit limit assigned to the buyer, at FAAC's unappealable judgement.

Claims

All claims must reach FAAC within 8 days of receipt of the goods. Returns of goods are not accepted where not authorised in advance by FAAC carriage forward. Returned products which should reach FAAC without prior authorisation will be refused without exception and returned to sender.

Guarantee

FAAC guarantees the material supplied for 12 months from the date of installation, on condition it is properly certified by a valid fiscal document (invoice or receipt for tax purposes with delivery note), giving the details of the installed products. In the absence of the fiscal document FAAC in any case guarantees the products for 18 months from the date of production. The guarantee consists of repair or replacement, at no charge, of the parts recognised as having manufacturing defects, at FAAC's unappealable judgement. FAAC shall support the guarantee directly or through its Repair Centres. Material under guarantee must be sent to the Repair Centres carriage paid and will be returned carriage forward. Replaced material shall remain the property of FAAC. No indemnity is admitted for the period for which the system is inoperative. The repair or replacement shall not prolong the duration of the guarantee. FAAC reserves the right to not provide the guarantee if the system is not completely made up of components supplied by FAAC, or if the buyer defaults on payment. The validity of the guarantee is subordinate to observing the performance specifications of the products, indicated in this price list.
The guarantee does not cover::

- breakage or damage caused by transport
- breakage or damage caused by faults in the electrical system and/or by neglect, negligence or inadequacy of the system for the use it is intended for or in any case by anomalous use
- breakage or damage due to interference by unauthorised personnel or the use of non-original spare parts, defects caused by chemical agents or atmospheric phenomena
- consumable material
- interventions due to presumed defects or verifications of convenience

System assistance and spare parts

The installer of the parking systems is directly responsible to the end user insofar as the installer guarantees such systems and assures the after-sales service.
During the proposal phase the installer shall submit a minimum list of spare parts, defined according to the system configuration, to be ordered together with the parking system.

Safety regulations

The entry and exit columns are designed to manage the entrance of vehicles accessing a parking area automatically. For this reason, pedestrians must be prohibited from transiting in the area reserved for vehicle transit. In addition signs must be installed notifying that pedestrian access is prohibited. Where it is not possible to have an entry/exit gate reserved for the exclusive use of pedestrians, it is essential to observe the current regulations on this matter (in particular EN12453 and EN12445 standards).

Note on making up proposals to customers

The barriers that can be used in the parking systems are exclusively those in the 620 range.
Note that some 620 R barriers are available in the same metallic grey colour as the Parklite product.components supplied by FAAC, or if the buyer defaults on payment. The validity of the guarantee is subordinate to observing the performance specifications of the products, indicated in this price list.
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