

# Controller City 3

## The City 3 series

is a management system that gets its instructions from the user (via transmitter, proximity card, button, coded keypad), for managing the functioning of one or more access-ways (a software program handles the opening and closing depending on how it's programmed) and supplies the power needed to operate the bollards.

### Technical features

Power supply:	230 V mono 16 A + ground
Current draw:	3 A
Power:	about 500 W
Duty cycle:	100%
Temperature:	-10°C + 55°C
Ventilation:	forced 24 V
Standard colours:	7016 RAL Grey

### Approximate overall dimensions

Steel thickness:	5,5 mm
Standard height:	1500 mm
Diameter:	325 mm

A hinged door, a small door with lock to access the emergency button, a broad front piece made of silk-screened polycarbonate, with aluminium counterface, red and orange LED traffic lights, 65 mm diameter, special opening keys, acoustic and thermal insulation

### Customisable front piece

Customisable, can be integrated with a high number of accessories: proximity card readers, videos, interphones, displays, printers, coded keypads, bicoloured 65 mm ø traffic lights, call button

### With special anti-vandal hinges

made up of a door for emergency stop with square firefighter lock and emergency button

### "Technical" door

with special anti-vandal lock

### Internal devices

#### Pneumatic version:

- LOGO! Manufacturer's programmed software or U200\* card
- micro-compressor with minimum maintenance for intensive use
- electric safety devices
- emergency button

#### Hydraulic version:

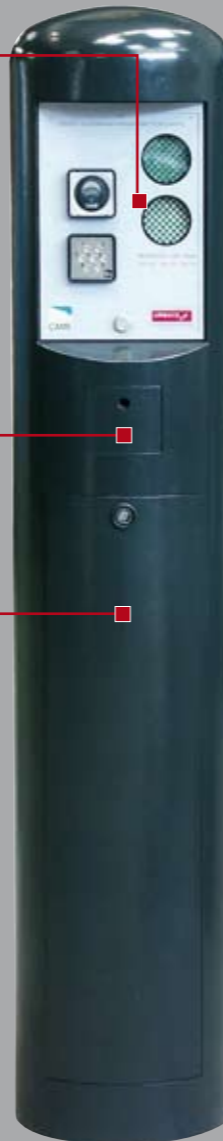
- LOGO! Manufacturer's programmed software
- hydraulic unit
- electric safety devices
- emergency button

\*The system featuring the U200 card allows:

- management of Urbaco endstops
- management of magnetic coils
- monitoring of the compressor
- management of dry-contact command devices
- management of negative safety with counter-electrovalve

### Foundation base

Made of galvanised steel for City 3 controller



City 3 pneumatic standard (without command device)	Codes
A LOGO! Access-way software (without detection)	C3S10000P
An access-way software without detection for the U200 card	C3S1U200P
An AT224 access-way	C3S10000PS

CITY 3 Hydraulic standard (without command device)	Codes
A LOGO! Access-way software (without detection)	C3S10000H

Functioning logics for LOGO! (with detection)	Codes
Controlled entrance or exit	COLOGOEOSC
Controlled entrance and exit	COLOGOECSC
Controlled entrance and automatic exit	COLOGOECESA
Automatic exit	COLOGOSA
Controlled entrance and exit without detection	COLOGOESCDE

Functioning logics for the U200 (with detection)	Codes
Controlled entrance or exit	COU200EOSC
Controlled entrance and exit	COU200ECSC
Controlled entrance and automatic exit	COU200ECESA
Automatic exit	COU200ESA

\*City 3 Stainless is also available in the double front piece version. Ask us.

Built-in command devices	Codes
AF43S built-in radio receiver (only with U200 card)	COAF43S
AF43SR built-in radio receiver (only with U200 card)	COAF43SR
COAF40 radio receiver (only with U200 card)	COAF40
RE432 built-in radio receiver	CORE432
RBE4RC built-in radio receiver	CORBE4RC
S6000 coded keypad + S0001 built-in mono-channel card	COS6000
Built-in TSP01 reader for 250 proximity cards	COTSP01
Built-in reader for 500 proximity cards	CORBM21
Built-in reader for 6000 proximity cards	COLEC6000
LOGO! Weekly programmable clock AT224 weekly programmable clock	COHRLH
U200 weekly programmable clock	COHRLHCU2

Communication devices	Codes
Analogical interphone max. distance from control post	COINT
Digital intercom	Call us

OPTIONS	Codes
Second access-way without command devices for U200 card	COU2002A

## City 3: the applications



# City 3 Stainless Controller

## The City 3 Stainless controller

is a management system that gets its instructions from the user (via transmitter, proximity card, button, coded keypad), to manage the functioning of one or more access-ways (a software program handles the opening or closing order depending on how it's programmed) and supplies the power need to operate the bollards (pneumatic compressor or hydraulic unit).

### Technical features

Power supply: 230 V mono 16 A + ground  
 Current draw: 3 A  
 Power: about 500 W  
 Duty cycle: 100%  
 Temperature: -10°C + 55°C  
 Ventilation: forced 24 V

### Approximate overall dimensions

Material: Stainless steel 316L  
 Standard height: 1520 mm  
 Diameter: 325 mm  
 Thickness: 4 mm

A door with lock, a small door with lock to access the emergency button, a 10 mm silk-screened, polycarbonate front piece, with aluminium counterface, orange and red LED traffic lights, with a 65 mm diameter, special opening keys, and acoustic and thermal insulation

### Customisable front piece

can be integrated with a high number of accessories: proximity readers, interphone, coded keypad, bi-colour ø 65 mm traffic lights, call button...

### Door for emergency

stop with square firefighter lock and emergency button

### "Technical" door

with special anti-vandal lock

### Internal devices

#### Pneumatic version:

- LOGO! Manufacturer's programming software or U200 card\*
- micro-processor with minimum maintenance for intensive use
- electric safety devices
- emergency buttons

#### Hydraulic version:

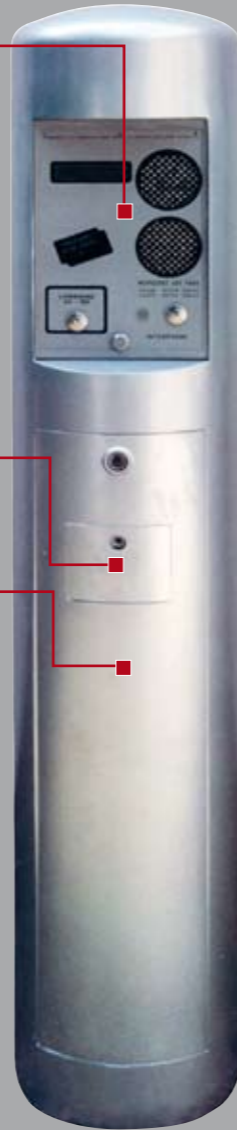
- LOGO! Manufacturer's programming software
- hydraulic unit
- electric safety devices
- emergency button

#### \*The system featuring the U200 card allows:

- management of Urbaco endstops
- management of magnetic coils
- monitoring of the compressor
- management of dry contact command devices
- management of negative safety with counter-electrovalve

### Foundation base

Made of galvanised steel for City 3 controller



City 3 Stainless hydraulic (without command device)	Codes
A LOGO! Software access-way (without detection)	C3S1000HI Call us

City 3 Stainless pneumatic (without command device)	Codes
A LOGO! Software access-way (without detection)	C3S1000PI
A software access-way without detection for the U200 card	C3S1U200PI

Functioning logics for the LOGO! (with detection)	Codes
Controlled entrance or exit	COLOGOEOSC
Controlled entrance and exit	COLOGOECSC
Controlled entrance and automatic exit	COLOGOECESA
Automatic exit	COLOGOSA
Controlled entrance and exit without detection	COLOGOESCDE

Functioning logics for the U200 (with detection)	Codes
Controlled entrance or exit	COU200EOSC
Controlled entrance and exit	COU200ECSC
Controlled entrance and automatic exit	COU200ECESA
Automatic exit	COU200SA

\*The City 3 Stainless is also available in the double front-piece version. Ask us.

Built-in command devices	Codes
AF43S built-in radio receiver (only with U200 card)	COAF43S
AF43SR built-in radio receiver (only with U200 card)	COAF43SR
AF40 built-in radio receiver (only with U200 card)	COAF40
RE432 built-in radio receiver	CORE432
RBE4RC built-in radio receiver	CORBE4RC
S6000 coded keypad + S0001 built-in mono-channel card	COS6000
TSP01 built-in reader for 250 proximity cards	COTSP01
Built-in reader for 500 proximity cards	CORBM21
Built-in reader for 6000 proximity cards	COLEC6000
LOGO! Weekly programmable clock AT224 weekly programmable clock	COHRLH
U200 weekly programmable clock	COHRLHCU2

Communication devices	Codes
Analogical interphone max. distance from control post	COINT
Digital intercom	Call us

OPTIONS	Codes
Second access-way without command devices for the U200 card	COU2002A

## City 3 Stainless: the applications



# City 5 Controller

## The City 5 Stainless controller

is a management system that gets its instructions from the user (via transmitter, proximity card, button, coded keypad), to manage the functioning of one or more access-way (a software program handles the opening or closing order depending on how it's programmed) and supplies the power need to operate the bollards (pneumatic compressor or hydraulic unit).

### Technical features

Power supply: 230 V mono 16 A + ground  
 Duty cycle: 100%  
 Temperature: -10°C + 55°C  
 Ventilation: forced 24 V

### Approximate overall dimensions:

Standard height without options: 1400 mm (Drive-in version)  
 Dimensions: 470 x 330 mm  
 Thickness of aluminium alloy: 7 mm  
 Standard colours: 7016 RAL Grey

Four components: aluminium base, central part with non-removable door and double-joined lock, high part equipped with two 10 mm silk-screened, polycarbonate front pieces, with aluminium counterface, upper module, orange and red LED traffic lights, 65 mm diameter, special opening keys, acoustic and thermal insulation

**Upper module**  
of the City 5

**The front piece**

is customisable and can be integrated with a high number of accessories: proximity readers, interphone, display, coded keypad, call button...

**Front piece**

with ø 65 mm bi-colour traffic light

**Front piece module**

with special anti-vandalism lock

**Full door module**

with special anti-vandalism lock

**High base**  
of the City 5

**Internal device**

**Pneumatic version:**

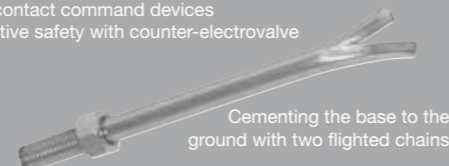
- LOGO! Manufacturer's programming software or U200 card\*
- micro compressor with minimum maintenance for intensive use
- electric safety devices
- emergency stop button (optional)

**Hydraulic version:**

- LOGO! Manufacturer's programming software
- hydraulic unit
- electric safety devices
- emergency stop button (optional)

\*The system featuring the U200 card allows:

- management of Urbaco endstops
- management of magnetic coils
- monitoring of the compressor
- management of dry-contact command devices
- management of negative safety with counter-electrovalve



City 5 'Armoire'

City 5 'Piétons'

City 5 'Drive-in'

CITY 5 Drive-in pneumatic (2 modules) (without command devices)	Codes
A LOGO! Software access-way (without detection)	C5D10000P
A software access-way (without detection) for the U200 card	C5D1U200P

City 5 Drive-in hydraulic (2 modules) (without command device)	Codes
LOGO! A software access-way (without detection)	C5D10000H

Functioning logics for the LOGO! (with detection)	Codes
Controlled entrance or exit	COLOGOEOSC
Controlled entrance and exit	COLOGOECSC
Controlled entrance and automatic exit	COLOGOECESA
Automatic exit	COLOGOSA
Controlled entrance and exit without detection	COLOGOESCD

Functioning logics for the U200 (with detection)	Codes
Controlled entrance or exit	COU200EOSC
Controlled entrance and exit	COU200ECSC
Controlled entrance and automatic exit	COU200ECSA
Automatic exit	COU200SA

Built-in command devices	Codes
AF43S built-in radio receiver (only with U200 card)	COAF43S
AF43SR built-in radio receiver (only with U200 card)	COAF43SR
AF40 built-in radio receiver (only with U200 card)	COAF40
RE432 built-in radio receiver	CORE432
RBE4RC built-in radio receiver	CORBE4RC
S6000 coded keypad + S0001 built-in mono-channel card	COS6000
TSP01 built-in reader for 250 proximity cards	COTSP01
Built-in reader for 500 proximity cards	CORBM21
Built-in reader for 6000 proximity cards	COLEC6000
LOGO! Weekly programmable clock AT224 weekly programmable clock	COHRLH
U200 weekly programmable clock	COHRLHCU2

Communications devices	Codes
Analogical interphone max. distance 300 m from control post	COINT
Digital intercom	nous consulter

OPTIONS	Codes
Second access-way without command devices for the U200 card	COU2002A
Small door and emergency stop button	COC5AUP

\*The City 5 is also available in the "Piétons" version and/or in the version with more than 2 modules. Call us.

City 5 pneumatic cabinet (1 module) (without command device)	Codes
A LOGO! Access-way software (without detections)	C5A10000P
A software access-way (without detection) for the U200 card	C5A1U200P
CITY 5 hydraulic cabinet	Référence
A LOGO! Software access-way (without detec- tion)	C5A10000H

## City 5: the applications



# Command and warning device

The command and warning devices are usually associated with a micro technical centre or with access controllers like City 3, 5, and 6. They can be integrated with a high number of command and warning devices (proximity readers, coded keypads, interphone, receiver for radio transmitters, emergency stop button, LED warning traffic lights, ...).

**The City 1 controller** can be integrated with traffic lights, command devices and/or functioning logics and a technical management station, located within the cabinet or in the City 3, 5 or 6 controllers, as an integral part of the U100, U200 or Logo! cards.

**Technical features**  
 Temperature: -10°C + 55°C  
 Ventilation: natural  
 Standard colours: 7016 RAL Grey

**Approximate overall dimensions:**  
 Thickness of steel: 6 mm  
 Standard height: 1425 mm  
 Diameter: 194 mm

A door with lock, a small door with lock to access the emergency stop button (optional)  
 - Aluminium traffic light front pieces  
 - Command device front pieces in polycarbonate and counterfaces in aluminium, grille, supports for elements, special opening keys.

### Customisable anterior

front piece that can be integrated with a high number of accessories: proximity reader, interphone, coded keypad, ø 65 mm bi-colour traffic light, call button...

### Emergency-stop door

with square firefighter lock and emergency button (optional)

### "Technical" door

with special anti-vandalism lock

### Internal devices

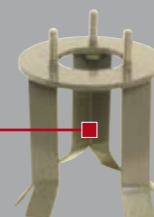
**Pneumatic version:**  
 - electric safety devices  
 - emergency button

### Foundation base

in steel for City 1 controller



The City 1 controller



Traffic lights on fixed posts

City 0



CITY 0 with R/O traffic lights	Codes
City 0 simple frontpiece for R/O traffic lights grille and small door	C0S1000

CITY 1 (with neutral anterior front piece)	Codes
City 1 simple front piece without optional grille and small door	C1S0000

Warning traffic lights	Codes
100 mm R/O LED traffic lights on module with fixing flight chains	CMF1RO
100 mm R/O LED traffic lights on 180° swivelling post	CPF1RO
100 mm R/O LED traffic lights on 180° swivelling post	CPF2RO

\*The City 1 Stainless is also available in the version with the double front piece. Ask us.

Optional built-in integrations for City 1	Codes
R/O LED 65 mm diameter traffic lights	COFRO
RE432 built-in radio receiver	CORE432
RBE4RC built-in radio receiver	CORBE4RC
S6000 coded keypad + S0001 built-in mono-channel card	COS6000
TSP01 built-in reader for 250 proximity cards	COTSP01
Built-in reader for 500 proximity cards	CORBM21
Analogical interphone max. 300 m distance from control post	COINT
Emergency stop button	COC1AU

## Command and warning devices: the applications



# Accessories for management systems

## Various



Detection coils

Magnetic coil, multi-brins 2 x 1.5 mm twisted armoured cable, length of standard coil is 25 m, Ø 7 mm. Extremities 2 brins to connect to the terminals for the management system to maintain twisting. Connection box, Ø 70 mm, h 41 mm, air and water tight closure with resin to protect the welding. Three cable coils (available in the following lengths: 6, 8, 10 and 12 m) with ICT 2-20, flexible sheath Ø 20 mm.

Access-way	Coil cable length	Codes
Controlled entrance or exit (2 coils)	25	COBCLEC25
	50	COBCLEC50
Controlled entrance and exit (2 coils)	25	COBCLES25
	50	COBCLES50
Automatic Exit (3 coils)	25	COBCLSA25
	50	COBCLSA50
Controlled entrance and automatic exit (3 coils)	25	COBCLEA25
	50	COBCLEA50

### Mono-channel detector

for safety coils with memory. Mounting base included.

Item code **RDET1CM**

### Bi-channel detector

for safety coils with memory

Item code **RDET2CM**

Base /detector support

Item code **RSUPDET**



	Coil perimeter	Codes
Safety coil for 1 bollard Coil cable length 25 m	8 m	COBCL0825
Safety coil for 1 bollard Coil cable length 50 m	8 m	COBCL0850
Safety coil for 2 bollards Coil cable length 25 m	12 m	COBCL1225
Safety coil for 2 bollards Coil cable length 50 m	12 m	COBCL1250

### Console examples



### Remote console 1 impulse button

Item code **RPUP10**

### Remote console 1 key

Item code **RPUP01**



**Air supply** of 5 litres (delivered not mounted in the CT).

Item code **CORVAA5N**

Supply support.

Item code **CORVAA5NCU**



### Special anterior

frontpiece for City

Item code call us



### Analogical interphone from 1 to 3 directions

for remote post max. 300 m to couple with remote console and power unit

Item code **RINTC3A**

### Analogical interphone > of 3 directions

max. distance 300 m to couple with remote console and power unit

Item code **RINTC1N**

### Digital intercom

Call us

### Power supply for heating devices

Number of devices	Number of devices	Item code
24V - 50W	24V - 75W	
1	1	BOTR90CT
2 or 3	2	BOTR160CT
4	2	BOTR210CT
5	3	BOTR260CT

### Micro technical centre power supply

1	1	BOTR90CT
2 or 3	2	BOTR160CT
4	2	BOTR210CT
5	3	BOTR260CT

### Power supply for City 3, 5, 6 and specific stations

1	1	BOTR90
2 or 3	2	BOTR160
4	2	BOTR210
5	3	BOTR260

### Heating device for controller and technical station

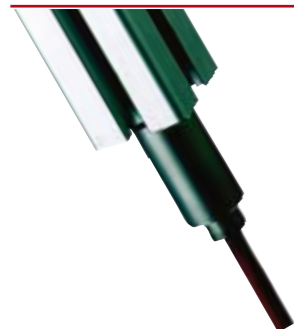
Heating devices

Standard heating device

Item code **COKCHG**

Heating device + thermostat

Item code **BOCGF75**



## Various

Luxor plants accessories	Codes
Lift of H 150 mm for Luxor technical plant with 800 x 600 cabinet CC6U200PRR / PRS	COREH02-LUX
Automatic condensation discharger for Luxor technical plant compressor	COPURA-LUX
80w heating device mounted with thermostat for MCT Luxor cabinet	COKCHGT-LUX
Ventilation kit for intensive use for MCT Luxor CC6U200PRS cabinet	COVF-LUX
Second access-way extension for U200 on MCT Luxor, not mounted	COU2002A

# Remote control devices for micro technical centres and controlles

## Radio receivers



### Bi-channel transmitters

With code self-learning mode

Item code **001TAM-432SA**



### Bi-channel multi-user transmitter

Item code **001TOP-432NA**

### 4-channel multi-user transmitter

Item code **001TOP-434NA**



### Rolling code transmitter

1 channel - **001AT01**

### Rolling code transmitter

2 channels - **001AT02**

### Rolling code transmitter

4 channels - **001AT04**



### Quarzed transmitter

2+2 40.685 MHz channels

Item code **001TCH4024**

### Quarzed transmitter

4+4 40.685 MHz channels

Item code **001TCH4048**

# Command devices for micro technical centres and controllers

## Selectors



**Flush-mounted key selector switch**  
with aluminium-alloy case, protective door for lock and cylinder  
**001 SET-K**



**Surface mounted key switch selector**  
aluminium-alloy case, protective door for lock and cylinder  
**001 SET-J**



**Surface mounted key switch selector**  
aluminium-alloy case, protective door for lock and cylinder.  
**001 SEM-2**  
**Magnetic coded key**  
**001 SEC**



**Surface mounted key switch selector**  
aluminium-alloy case and DIN cylinder  
**001 SET-I**



**Surface mounted key switch selector**  
aluminium-alloy case and DIN cylinder.  
**001 SET-E**  
**Surface mounted key switch selector**  
aluminium-alloy case and DIN cylinder.  
**001 SET-EN**

## Various



**Stand-alone transponder sensor**  
for cards, key fobs and TAGs for up a maximum of 250 users.  
**001 TSP01**



**Natural** anodized aluminium post H = 1 m with tamperproof support for SEM-2.  
**001 CLM**

**Black** anodized aluminium post H = 1 m with tamperproof support for SEM-2.  
**001 CLMN**

**Natural** anodized aluminium post H = 1 m SET-I – SET-K – TSP01.  
**001 CSS**

**Black** anodized aluminium post H = 1 m SET-I – SET-K – TSP01.  
**001-CSSN**



**Warning flashing light**  
**001 KIARO24N**



**Wall mounting support**  
**001 KIAROS**

## Various



**433.93 MHz antenna**  
**001 TOP-433N**

**Antenna cable**  
**001 TOP-RG58**



**Mono-channel control board** for S5000- S6000 – S7000 (1 memorisable code).  
**001 S0001**



**White read-only proximity card with printed number**  
**RBDGLG**

## Various

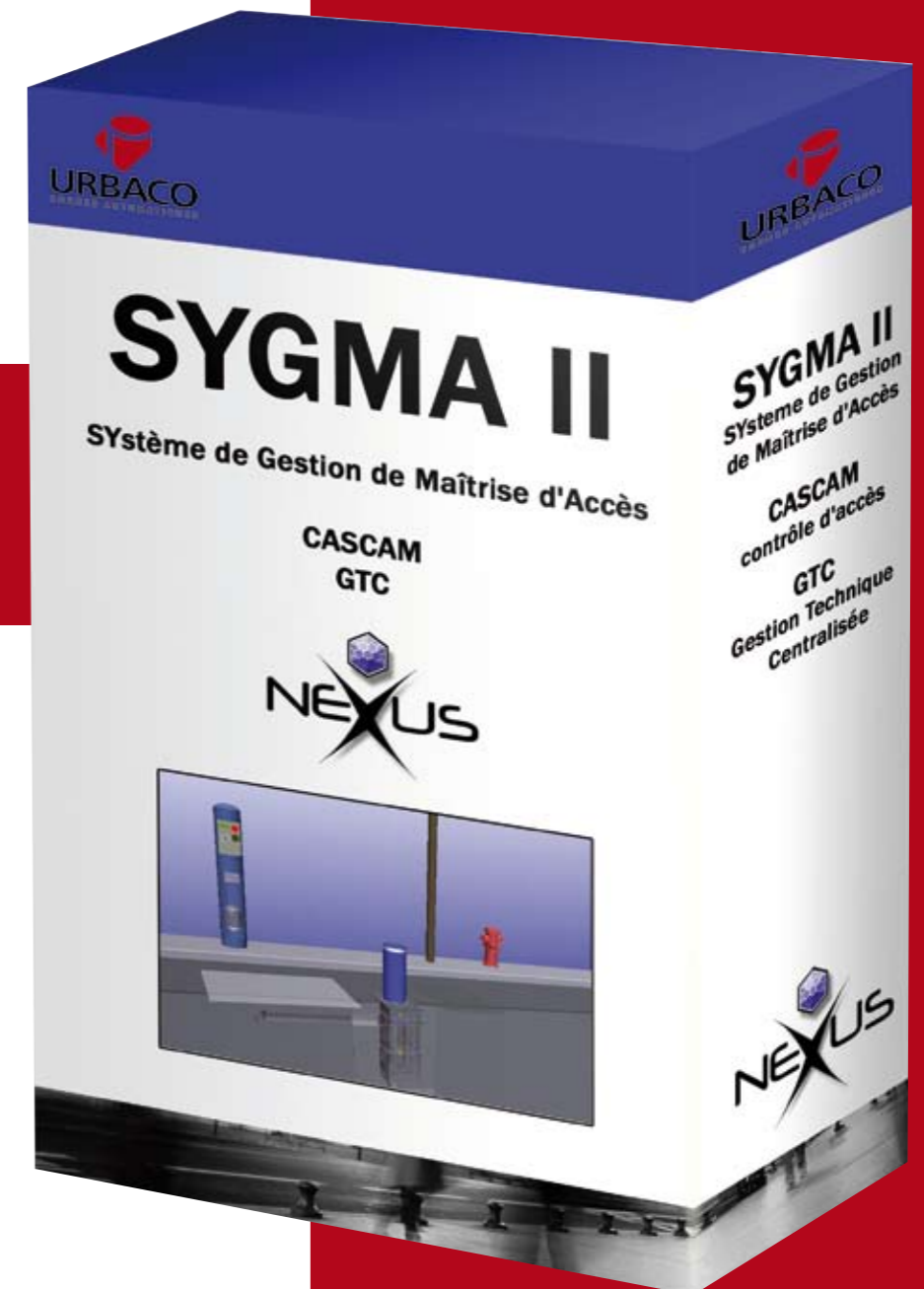


**Surface mounted keypad selector with 1.679.616 combinations**  
**001 S70000**

	Codes
White read-only proximity card with printed number (non-silk screened)	RBDGLG
Read/write proximity card with one side coloured and one black	RBDGLEGS1C1N
Read/write proximity card with one side black and silk screening	RBDGLEGS1N
Read-only proximity card with printed number without silk-screening	RBDGLG
Read proximity card with one coloured side and silk-screening	RBDGLGS1C
Read proximity card with one side coloured and one black with silk screening	RBDGLGS1C1N
Read proximity cards with silk screening, one side black	RBDGLGS1N
Read proximity card with silk screening and number printed and two black sides	RBDGLGS2N

## SYGMA II Automatic centralisation

The SYGMA II software is the Access Control System for centralising your access-way control with retractable bollards. SYGMA II allows global management of remote devices (bollards, automated operators, cards, videos, interphones...).



# SYGMA II Access Control Management system

## SYGMA II

### Centralised Technical Management System:

The SYGMA II software is the Access Control System for centralising your access-way control with retractable bollards. SYGMA II allows global management of remote devices (bollards, automated operators, cards, videos, interphones...). It works online using current-day functionalities and communications methods: the SYGMA software can be installed on one or more workstations which are interconnected.

### It's made up of various modules:

- NEXUS: the communications core.
- GTC: the Centralised Technical Management module based on a synoptic panel of the controlled zones.
- CASCAM: the access control software with proximity cards.
- ARCHIVES: Numerous management tools for browsing archives and statistical data. Besides administration and maintenance tools.

## CASCAM

### Access management software with proximity cards:

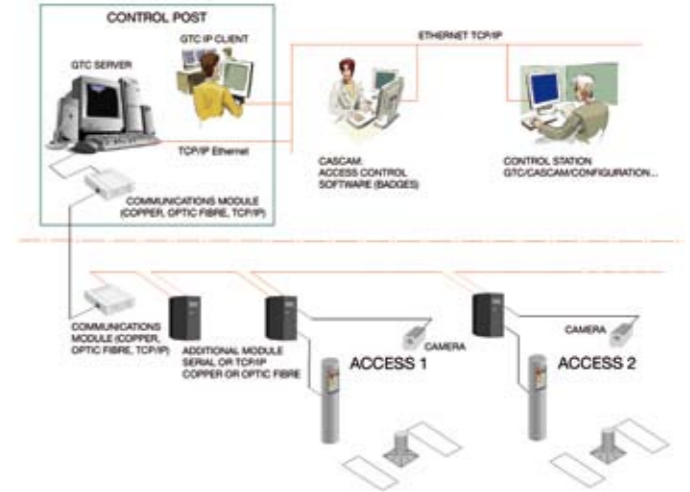
The CASCAM module (i.e. Safe Access-way Control with Memory card) is a software for managing user card databases. CASCAM also lets you manage from various workstations, thus allowing you to decentralise card retrieval in different offices, as in neighbourhood municipalities. CASCAM's standard version manages 6000 cards per reader, broken down into access groups that define the validity of each card. It also manages provisional read/write cards in which access rights are imputed, allowing for a flexible management of users to specific areas, such as entrepreneurs and artisans. The diffusion of each user's passage rights towards the access-ways is guaranteed by the "NEXUS" communications core and this happens instantly, upon each data input or change. Consequently you can use a "User" badge as soon as it is created.

# Standard configuration Connections and communications

## COMMUNICATIONS

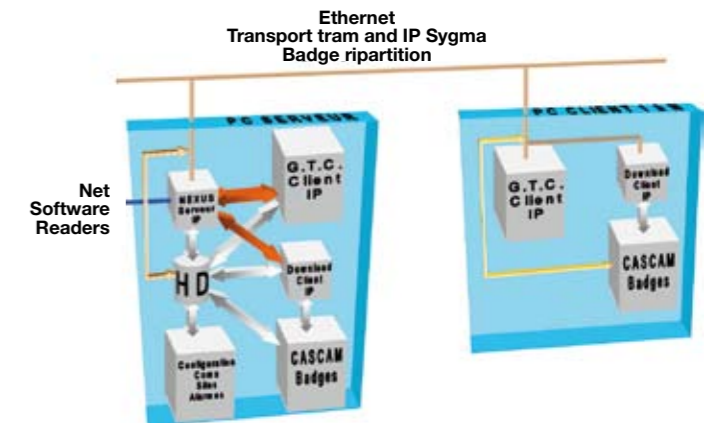
The communications among the "NEXUS" communications core and other existing devices can take place using any means of data exchange.

- serial communications
- via TCP/IP (Ethernet, ADSL, WIFI, etc.)
- copper-wire connections
- fibre optic connection
- radio-wave connection
- complete check of ground devices
- global synoptic management (on one or more stations)
- remote access configuration
- information on every access for pre-diagnostic analysis
- centralised technical guide and management of a pedestrian plan on one or more posts via IP connections
- management of users from different posts and without loading.



## STANDARD FUNCTIONALITIES

- ergonomic IHMs
- functioning via IP network, remote (Internet) or local
- easy updating
- export via Word, Excel and standard XML
- automatic email
- automatic PDF creation
- management of access rights to IT functions (through supervisory cards or login)
- language change while functioning (22 possible languages)
- 3D visualisation in real time (OpenGL, DirectX) of graphics and accesses
- Conversion to Access, dBase, Texte, Oracle, XML, etc.
- Possibility to use database in: AS/400, Oracle, My SQL, Serveur, Informix, Dbase2, SyBase, Access, Progress, Xase, OLE DB, ODBC, XML.



## CASCAM Light

### Independent access management software:

The CASCAM Light software is available separately, and lets you manage 1000 cards per reader, autonomous version for laptop PCs.

