

## Specifications

MECHANICAL		SLIDING
Installation	Surface applied / Between walls / Against posts	
Structure	Aluminium	
Casing (H x D)	Standard 102 mm x 165 mm - Reinforced 102 mm x 212 mm	
Passage width min/max	1 leaf: 750 / 1 800 mm 2 leaves: 900 / 2 900 mm	
Maximum passage height	3 100 mm	
Cover	3 parts (radar part centred on the passage)	
Central radar cover (L)	300 mm	
Cheeks	Shock resistant black polystyrene	
PERFORMANCES		
Leaf weight	1x140kg / 2x120kg - In Emergency Exit: 1 x 110kg / 2x90kg	
Opening speed	1 leaf: 10 - 80 cm/s 2 leaves: 20 - 160 cm/s	
Closing speed	1 leaf: 10 - 50 cm/s 2 leaves: 20 - 100 cm/s	
Hold open time	1 to 25 s	
Opening force	6 to 15 daN	
Closing force	6 to 15 daN	
ELECTRICAL ENVIRONMENT		
Power supply	Mains 50-60 Hz, 230 V $\pm$ 10% with earth. Fuse 1.25 A	
Maximum / (average) absorbed power	< 300 W / 150 W	
Motor voltage / Emergency battery	30 Vcc / 12 Vcc	
Relative humidity	10 % to 93 % without condensation	
Operating temperature	-20° C / +60° C - In Emergency Exit: +5° C / +60° C	
STANDARDS		
CE	Electromagnetic compatibility: 2004/108/CE directive, Electrical security - Low voltage: 2006/95/CEE directive, Construction products: 89/106/CE - 93/68/CE directives, Machines: 2006/42/CE directive - EN 16005 EMC: emission for residential, commercial and light-industrial environments. EMC: immunity for industrial environments EN 61000-6-3 EN 61000-6-2 EN 60335-1 EN 13849-1 Safety of household and similar electrical appliances Safety of machinery - Safety related parts of control systems.	

## Functionalities Naviblu/Visioblu

Operating Mode selection	Door settings
Secure access using a code	- Door movement (speeds, torque, brakes)
Faults display	- Opening width (small, large, security)
Entries status diagnostics	- Time delay (radar units, openings, keys)
Historic consultation of defects, counters	- Locking, battery operation
IR receiver	- Inputs/Outputs parameterisation
Reset	- People With Reduced Mobility function, Standard running (C048, BS)

## Equipment/Controls/Safeties

Emergency battery	• Naviblu control console or Visioblu or Console 4T
Fail Safe locking	• IR receiver
Manual inside safety unlocking	• S (Simplified) infrared remote control
Positive Security locking	• IR key
Anti-panic mechanical device (IME) conforming to C048	• 6-position key selector (with Reset)
DAS card	• Emergency Exit board En16005" + point Option
Airlock management card	• Inputs Module (NO/NC) / Outputs Module (4 switches)
Inside radar (NO, NC, self-controlled) and Outside radar-Ext (NO, NC)	• Opening/Closing safeties (NO, NC, IR barrier x2, IR curtain x4)
RAL lacquer finish, AS1, Anodised - colour (As standard)	• Special lacquering, stainless steel (on request)

• Standard • Option

**PORTALP**  
 PORTALP INTERNATIONAL  
 Parc d'Activités des Plains • 7, rue de l'Arcelle  
 38 600 FONTAINE • FRANCE  
 Tél. +33 (0)4 76 26 07 42 • Fax +33 (0)4 76 27 51 09



Certified management system

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# Sliding door

# Tina



**Compact drive unit (10 cm)**  
**Control consoles on wall or on casing with LCD screen**  
**Great ease of control**  
**Easy installation**

The **TINA** concept is improving for increased security and flexibility of use. Discover the functionalities of **TINA2**, its easy use is closely linked to the astonishing agility of NAVIBLU and VISIOBLU.

This new range of doors, which are easy to use, and are designed for quick installation, provides the ideal solution for people who want to enjoy the comfort of an automatic opening very easily. Their elegant design and slim casing enable them to be harmoniously integrated into any location.



## TINA redefines the concept for a high-performance automatic door that is practical and easy to install.

TINA is available as single or double sliding versions, with or without side screens.

Its performance characteristics and its flexibility make it a reference in its class: its compact 10 cm drive unit moves heavy leaves weighing up to 2 x 120 kg.

The removable covers on both sides of the detector cover provide easy access to the drive unit without disrupting the door's operation or the detection system.



DOUBLE SLIDING

SINGLE SLIDING

### Profiles

To better meet the requirements of each application, the TINA doors frames are available in different ranges of profiles: LUMINA All glass or with thin profiles, 625 or 638 profiles.

These profiles ranges are especially designed to comply with the safety standards in force (ex: finger trapped in the door). The standard frames are mounted with a neoprene seal (non-silicon) that enables the glass to be replaced quickly.

The 638 range is a robust solution which makes thick isolating glazing up to 26 mm possible. A key locking (European cylinder) can also be mounted with these profiles.



LUMINA  
All glass

LUMINA  
Thin profiles

The 625

The 638

### Controls and activation devices

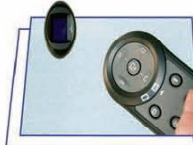
To provide the optimal solution for your project, the product is offered with a large choice of controls and detection devices.

The ultra-high frequency radars provide completely discrete, reliable, high-performance detection. The self-controlled infrared barriers detect any presence in the passage or any obstacle preventing the door leaves from closing. Moreover, 2 safety terminal strips can be used independently to manage safety while the door is opening and closing (in compliance with EN16005).

Inputs/Outputs modules offer even greater flexibility whilst enabling additional systems to be connected: Safety (NO, NC, IR barriers and curtains), Priority opening, Forced mode, Intercom, Relay outputs.



NAVIBLU



Visioblu  
Télécommande S



Console 4T



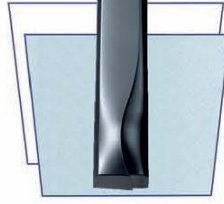
Infrared key



6-position  
key selector



JANUS / COLIBRI  
detectors



Active infrared security



### Naviblu and Visioblu, real control devices of the door

Conviviales et performantes, Naviblu2 and Visioblu allow to drive easily the door and to display its running mode by LCD screen in a highly universal language, consisting solely of pictograms, figures and international measuring units.

Naviblu2 intended for a wall installation, allows to control the door with the fingertips thanks to its unique central browsing button.

The 2 systems are endowed with a IR receiver authorizing the learning of several keys or remote controls S (until 20).

Naviblu2 and Visioblu are endowed with numerous features offering a big flexibility of use (choice ways of functioning, configuration carries, consultation, history, diagnosis, meter).

### Plug and play pre-cabled, pre-mounted sub-units

The TINA operator is designed based on independent modules that are connected to a single, compact logic group. Pre-cabled, pre-mounted sub-units facilitate installing it. The lock and the motor have a plug and play function, then they are automatically recognised when connected.

#### Motor/Locking/Fail safe locking Group

- A bi-stable electric lock secures the door leaves when closing a shop at the end of the day. It also allows a secure opening for an all-night pharmacy.
- For buildings offering overnight accommodation, a fail safe lock is available that opens the door leaves in the event of an emergency, in accordance with the regulations in force concerning public buildings.

#### Logic Group

- An emergency battery ensures that the door can operate in case of power failure.
- The Inputs/Outputs modules offer a high degree of flexibility, making it possible to connect IR curtains and barriers, or any other sort of NO/NC system, controls for air conditioning systems, metal curtains, access control systems, door code keypad controls, etc. TINA2 is equipped with a function for disabled people that complies with the Accessibility regulation issued by the SNFFPSA (French National Association for Shutters, Sun Protection and Related Professions). Any audio or visual signalling device can be connected, which provides greater convenience and safety for users with visual or hearing impairments.

- In accordance with French regulation CO48, an elastic device opens the door without using any external energy source (in compliance with the EN 16005 European standard and Emergency Exit).

## Comprehensive equipment that is completely convenient and provides full operational safety for users:

All the standard functions are accessible and can be parameterised without any specific tool. The user can use simplified or multi-functional control systems depending on his or her needs.

Real control devices of the door, Naviblu and Visioblu are available on TINA2

