

DIVA 
ECOENERGY

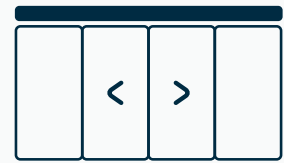
Automatic thermal bridge break door (TBB)

DIVA RS ECOENERGY is an automatic thermal bridge break door that combines technical performance and design. Equipped with a state-of-the-art RS operator, it offers numerous innovative features.

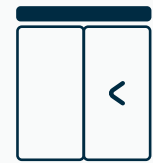
- ▶ **OPTIMAL THERMAL INSULATION**
- ▶ **THERMAL TRANSMITTANCE COEFFICIENT (1) $UW < 2 \text{ W/M}^2\cdot\text{K}$**
- ▶ **INSULATING GLAZING UP TO 36 MM**
- ▶ **INDOOR COMFORT IN WINTER AND SUMMER**
- ▶ **CONTROL VIA SMARTPHONE**

The thermal bridge break door helps maintain a comfortable indoor temperature and provides undeniable natural light through the transparency of its leaves.

It optimizes the energy efficiency of buildings and reduces the need for heating and/or air conditioning when outdoor temperatures are highly variable.



DOUBLE SLIDING



SINGLE SLIDING

(1) Thermal transmittance coefficient for frame H2700 x W4190 mm (passage H2500 x W2000 mm). Low-emissivity glazing. Results obtained according to the standard EN 14351.

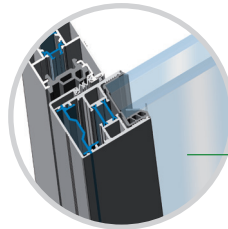


Summer or winter, enjoy optimal comfort with guaranteed natural light and energy savings.

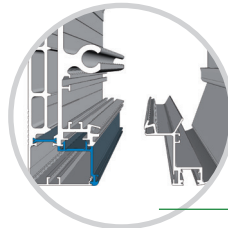
Improving a building's energy performance means considering all elements of the façade. Glass façades, like automatic doors, face a dual challenge: maximizing natural light while optimizing thermal and sound insulation. Glass reflects the trends of modern buildings, but balancing these two priorities is essential.

The thermal performance of DIVA RS ECOENERGY is based on the combination of three essential components: a casing, thermal break frames, and low-emissivity insulating glazing

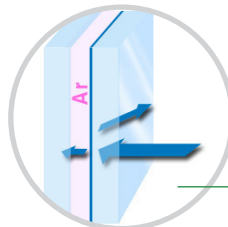
- The G50 range of thermal bridge break profiles is designed with partitioned inner chambers made of nylon strips to enhance the thermal break between the interior and exterior. Each G50 TBB profile has been developed with a focus on thermal performance, regardless of the door configuration.
- The operator is fitted with a new articulated cover featuring soft and contemporary lines. Similarly designed, the casing is equipped with polyamide strips that reinforce the thermal break with the structure.
- To enhance the energy performance of any building, the use of low-emissivity double glazing with argon or krypton gas filling is recommended, as its low thermal transmittance coefficient contributes to its high insulation power.



G50 TBB frame



DIVA TBB header

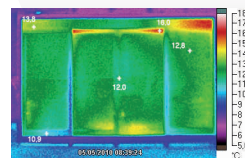


Insulating glazing

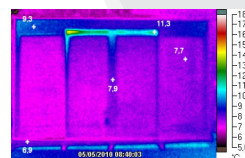


What could be more relevant than a photo to highlight the thermal behaviors of two types of doors?

Infrared thermography allows for the mapping of surface temperatures. The study conducted has a purely educational and demonstrative purpose, yielding an eloquent result.



Classic aluminum range and 44/2 glazing*



DIVA ECOENERGY range* and low-emissivity glazing

*Tests conducted by the independent laboratory Alldiag38 - Testing conditions: indoor temperature 25°C / outdoor 8°C.

Order the door with your smartphone



- Clear display in your language
- Intuitive navigation
- Direct mode selection
- Easy user settings
- Bluetooth Low Energy
- Dedicated application (iOS and Android)



THERMAL COMFORT AND SAFETY OF BUILDINGS

Offered with a wide range of finishes, DIVA ECOENERGY is firmly committed to a sustainable energy approach by enhancing comfort and well-being in buildings.



An integrated automatic skirting board is offered to ensure perfect sealing at the floor. This 'cold barrier' device applies pressure on the floor when the door is closed, preventing the exchange of indoor and outdoor air.

Automatic skirting board



For optimal security, various equipment options are offered :

- ✓ An automatic locking system that can be operated by a remote key or a standard key.
- ✓ A multipoint locking mechanism integrated into the door leaf that ensures mechanical locking at the top and bottom.

CONTROLS AND DETECTIONS

A wide range of controls and detection devices is offered according to the requirements of each project

- ✓ Automatic openings via radar to ensure smooth and safe passage.
- ✓ Access control devices to allow entry only to authorized persons.
- ✓ Manual controls for persons with reduced mobility.

USER SAFETY



On passage

Sensor combining presence detection and monitoring of the closing area.

Upon opening

Securing the leaf rebound area.

A POWERFUL AND VERSATILE OPERATOR.



Switching power supply.

Independent of input voltage, filtering of noise, and low consumption.



Output expansion card.

Configurable output module to customize your peripherals.



Brushless motorization.

Long lifespan, quiet operation, smooth and safe control of the door leaves.



Bus CAN for security peripherals

Easy wiring, continuous communication, fault identification.



MECHANICAL		SLIDING
Installation		Surface-mounted / In-wall / Against posts
Structure		Aluminium
Reinforced header (H x D)		200 mm x 193 mm
Self-supporting up to :		7 200 mm
Minimum/Maximum passage width	1 leaf	750 / 1 800 mm
	2 leaves	900 / 2 900 mm
Maximum passage height		3 100 mm
Maximum glazing thickness		36 mm

PERFORMANCES	
Thermal transmittance coefficient U ⁽¹⁾	< 2 W/m ² .K
Maximum leaf weight	1 x 200 kg / 2 x 200 kg
	with EMI (Emergency exit)
Opening speed	1 leaf : 10 to 80 cm/s - 2 leaves : 20 to 160 cm/s
Vitesse de fermeture	1 leaf : 10 to 80 cm/s - 2 leaves : 20 to 160 cm/s
Temporisation, maintien en ouverture	1 to 25 s
Couple d'ouverture	6 to 25 daN
Couple fermeture	6 to 15 daN

(1) Thermal transmittance coefficient for frame H 2700 x W 4190 (i.e., passage H2500 x W2000 mm) / low-emissivity glazing / calculation according to standard EN14351

ELECTRICAL ENVIRONMENT	
Universal power supply	Mains 50-60 Hz, 90-250 V ±10% with ground, double-pole cutoff
Maximum / average power consumption	140 w / 55 W
Motor voltage / auxiliary power supply	40 Vcc / 15 Vcc (25 W)
Backup battery	12 V (2,1 A.h)
Humidity range	10% to 93% without condensation
Operating temperature	-20°C/+60°C - Emergency Exit doors according to EN16005: +5°C/+40°C

STANDARDS	
EN 14351, RT2012	Thermal regulations
CE	Electromagnetic compatibility: directive 2014/30/EU, machinery 2006/42/EC, radio 2014/53/EU
EN 60 335-1/-2-103	Safety of household and similar electrical appliances
EN 61000-6-3	EMC: emission for residential, commercial, and light industrial environments.
EN 61000-6-2	EMC: immunity for industrial environments.
EN 16005	Motorized door blocks for pedestrians: safety of use

EQUIPMENT AND OPTIONS		
Electromechanical locking	<input type="radio"/>	Control and configuration via smartphone (Android/iOS/Huawei) <input checked="" type="radio"/>
Multipoint locking RPT (European cylinder)	<input type="radio"/>	Wall console Naviblu CAN <input type="radio"/>
Key locking RPT (European cylinder)	<input type="radio"/>	Infrared remote control compatible with Naviblu <input type="radio"/>
External emergency unlocking RPT	<input type="radio"/>	Key selector with 6 positions / Door reset <input type="radio"/>
Motorized emergency exit (EN 16005)	<input type="radio"/>	Interior/exterior radars <input type="radio"/>
EMI emergency exit (CO48-EN16005)	<input type="radio"/>	Safety features for opening/closing <input type="radio"/>
Backup battery	<input type="radio"/>	RAL coating, anodized AS1 <input type="radio"/>
Recessed rail	<input type="radio"/>	Other finish, colored anodized <input type="radio"/>
Retractable skirting board floor 0-16 mm	<input type="radio"/>	

(*) Special realizations, please consult us

• Series ° Option



Production center under certified management system

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