



# Obbi, Luxo

## External Automations for Swing Gates



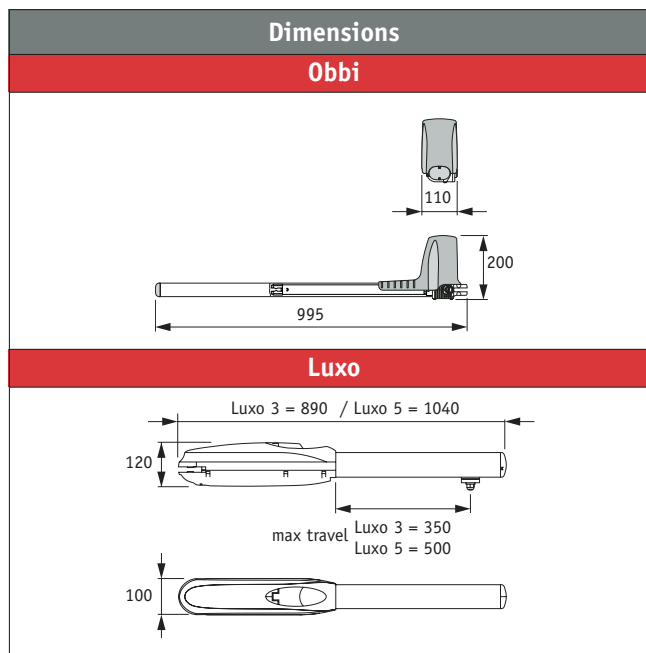


## External Automations

Great care is required at the design stage of automations used on swing gates, as the gates are exposed to bad weather and are often very frequently used.

In order to offer the best possible solution, when designing the automation system, it is crucial to know exactly how the gate will be used.

DITEC offers a full range of products designed to allow easy installation on gates of any size and to cater for any type of duty.



## Product Range

Medium duty
Obbi 3BH - Obbi 3BFCH
Heavy duty
Luxo 3B - Luxo 3BH Luxo 5B - Luxo 5BH - Luxo 5VBH

## Distinctive features of models offered

	OBBI 3BH	OBBI 3BFCH	LUXO 3B	LUXO 3BH	LUXO 5B	LUXO 5BH-5VBH
Electromechanical Actuator	irreversible suitable for up to 3 m wing	irreversible suitable for up to 3 m wing	irreversible and reversible suitable for up to 3.5 m wing	irreversible suitable for up to 3.5 m wing	irreversible and reversible suitable for up to 5 m wing	irreversible suitable for up to 5 m wing
Travel control system		magnetic mechanical stop	Lever-type mechanical stop (optional)	Lever-type mechanical stop (optional)	Lever-type mechanical stop (optional)	Lever-type mechanical stop (optional for 5BH)
Maximum capacity	250 kg x 1.5 m 150 kg x 3 m	250 kg x 1.5 m 150 kg x 3 m	350 kg x 2.5 m 250 kg x 3.5 m	300 kg x 2.5 m 200 kg x 3.5 m	500 kg x 3 m 250 kg x 5 m	500 kg x 3 m 250 kg x 5 m
Duty class	3 - medium	3 - medium	4 - heavy	4 - heavy	4 - heavy	4 - heavy
Intermittent operation	S2 = 30 min S3 = 50%	S2 = 30 min S3 = 50%	S2 = 20 min S3 = 50%	S2 = 20 min S3 = 50%	S2 = 20 min S3 = 50%	S2 = 20 min S3 = 50%
Power supply	24 V=	24 V=	230 V~ / 50 Hz	24 V=	230 V~ / 50 Hz	24 V=
Insulation class	class 3	class 3	class 1	class 3	class 1	class 3
Input	3 A	3 A	1.1 A	4 A	1.1 A	12 A
Thrust	1500 N	1500 N	3000 N	2000 N	3000 N	3000 N
Opening time	25 s/90°	25 s/90°	22 s/90°	22 s/90° (D2HL) 20-30 s/90° (VIVA H)	32 s/90°	20-30 s/90°
Max travel	350 mm	350 mm	350 mm	350 mm	500 mm	500 mm
Actuator maximum opening angle	110°	110°	110°	110°	120°	120°
Release system for manual opening	Key operated	Key operated	Key operated	Key operated	Key operated	Key operated
Operating temperature	-20°C / +55°C	-20°C / +55°C	-20°C / +55°C	-20°C / +55°C	-20°C / +55°C	-20°C / +55°C
Protection rating	IP 54	IP 54	IP 24D	IP 24D	IP 24D	IP 24D
Product dimensions (mm)	110x200x995	110x200x1000	100x120x890	100x120x890	100x120x1040	100x120x1040
Control panel	D2H VIVA H	VIVA H	E2 LOGIC M	D2HL VIVA H	E2 LOGIC M	VIVA H

# Obbi

## ▶ Elegant design and versatile applications

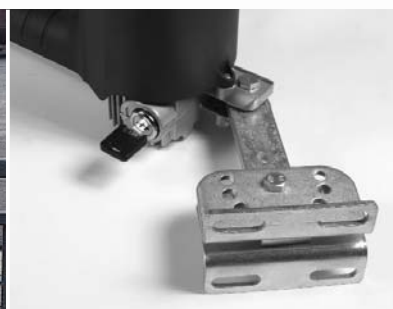
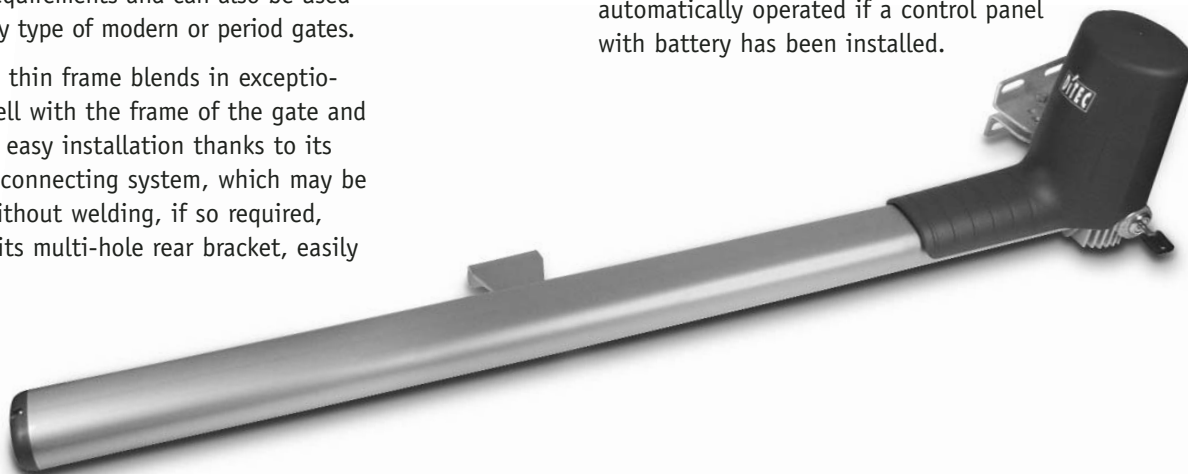
Gates for residential application often require an automation able to ensure long lasting, highly reliable gate operation, as well as to perfectly blend in with the look of the gate.

Obbi's smart yet simple design fully meets these requirements and can also be used with any type of modern or period gates.

Its very thin frame blends in exceptionally well with the frame of the gate and ensures easy installation thanks to its special connecting system, which may be fixed without welding, if so required, and to its multi-hole rear bracket, easily

adjustable to be located in the most suitable operating position by simply changing the through hole combination.

In the event of a power failure, the automation can be manually operated by using the key operated release system or automatically operated if a control panel with battery has been installed.



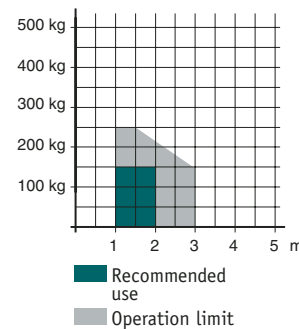
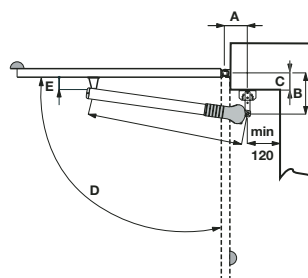
## ▶ Distinctive Features

- ▶ High safety level ensured by the 24 V DC power supply
- ▶ Smart yet simple design
- ▶ Anodised aluminium shaft cover
- ▶ Suitable for any modern or period gate frame
- ▶ Can be used to operate gates with small pillars
- ▶ Easily accessible key-operated release system
- ▶ When VIVA H control panel is used, the following facilities are available: part opening, speed adjustment, soft start and soft stop

### Special accessories

- ▶ Back-up battery pack to be used in the event of a power failure

### OBBI operation diagram and chart



A	B	C max (90°)	D max	E	L
150	150	85	100°	75	910
120	160	95	100°	75	910
120	180	115	110°	75	910
160	120	55	110°	75	910

# Luxo

## ▶ The privilege of beauty. Sturdy, durable and heavy duty

Smart and refined, Luxo was designed to be admired and desired.

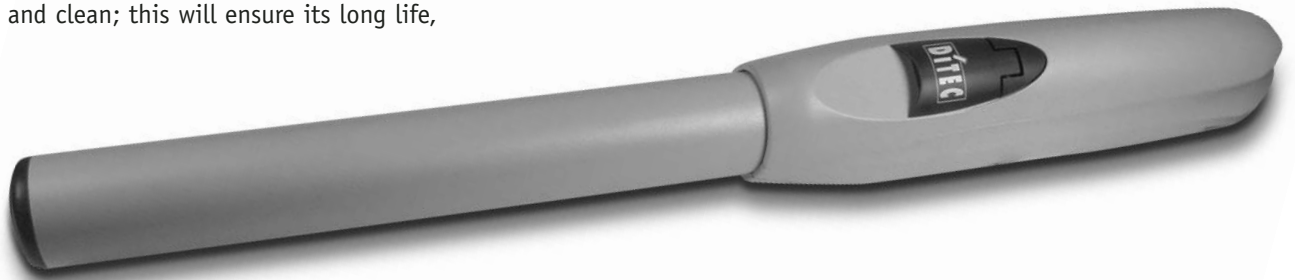
Its modern and futurist look features soft and smooth lines and makes it suitable for any type of gate frame.

The automation has been designed to comply with the sturdiest and most reliable DITEC systems.

Being made of aluminium, it looks light and clean; this will ensure its long life,

withstanding harsh weather, and is further enhanced by an additional polyester coating.

Every detail and shape has been carefully and passionately designed.



## ▶ Power failure? No problem!

Thanks to its manual release system, located under its smart and easily accessible plastic cover, all emergencies caused by power failure can be easily overcome.

## ▶ Easy installation

Under the upper casing all electric connections are neatly gathered to make both installation and maintenance easy and quick.

- ▶ Irreversible or reversible, customer specified
- ▶ Version with dustproof brushes and limit switch as standard
- ▶ Version with 24 V motor, partly open, speed adjustment, soft start and soft stop

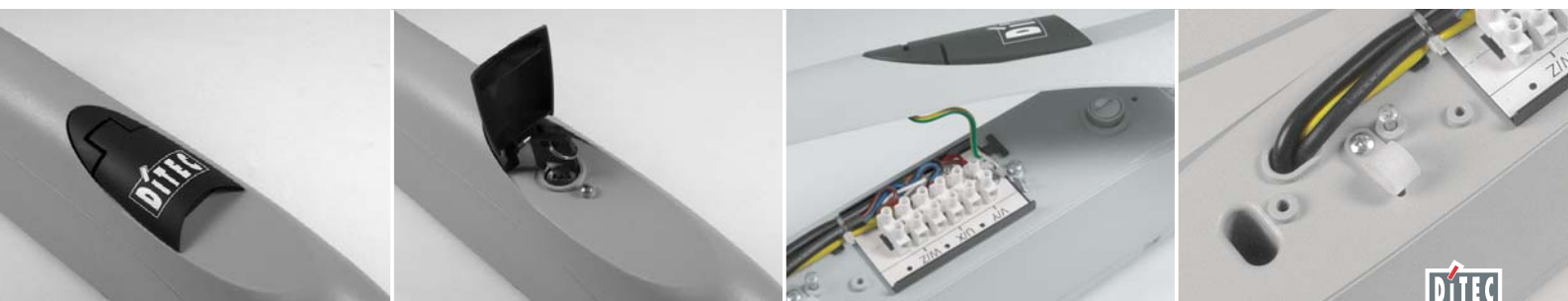
## ▶ Total life time reliability

System and power connection cables are located in a specially designed raceway to avoid scratching, torsion and wear during operation, thus preventing any possible damage.

Brackets are made of galvanized steel while rotation bushes are made of hardened steel to ease the movement of the automation and to avoid wear and tear.

### Special accessories

- ▶ Limit switch unit
- ▶ Electrically operated locks
- ▶ Back-up battery pack to be used in the event of a power failure



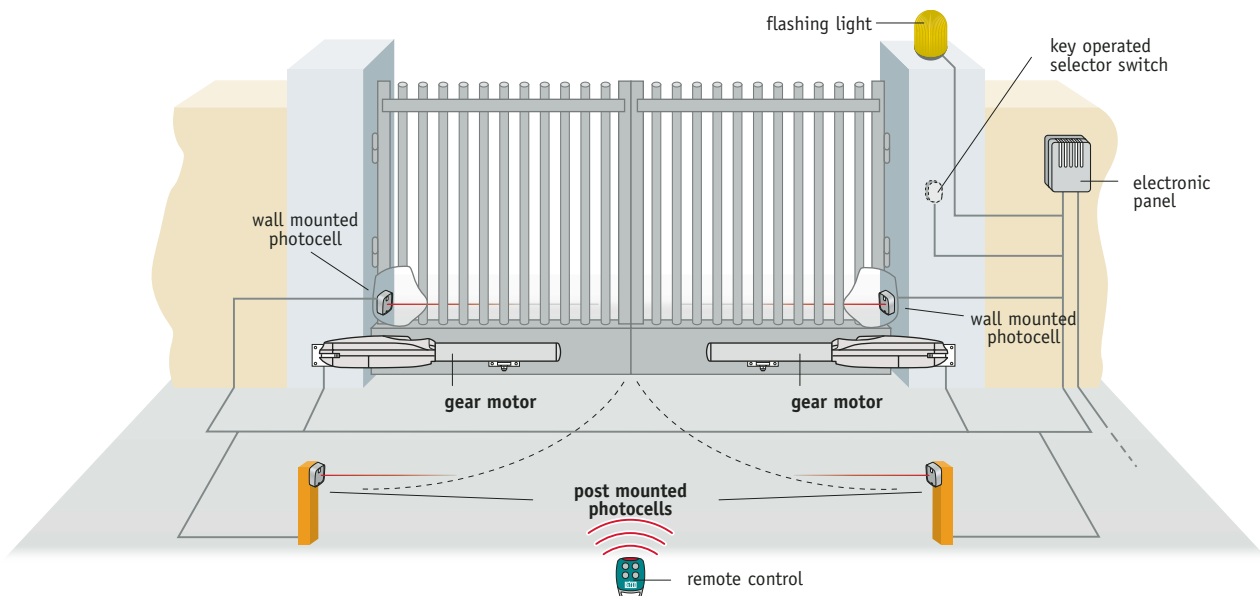
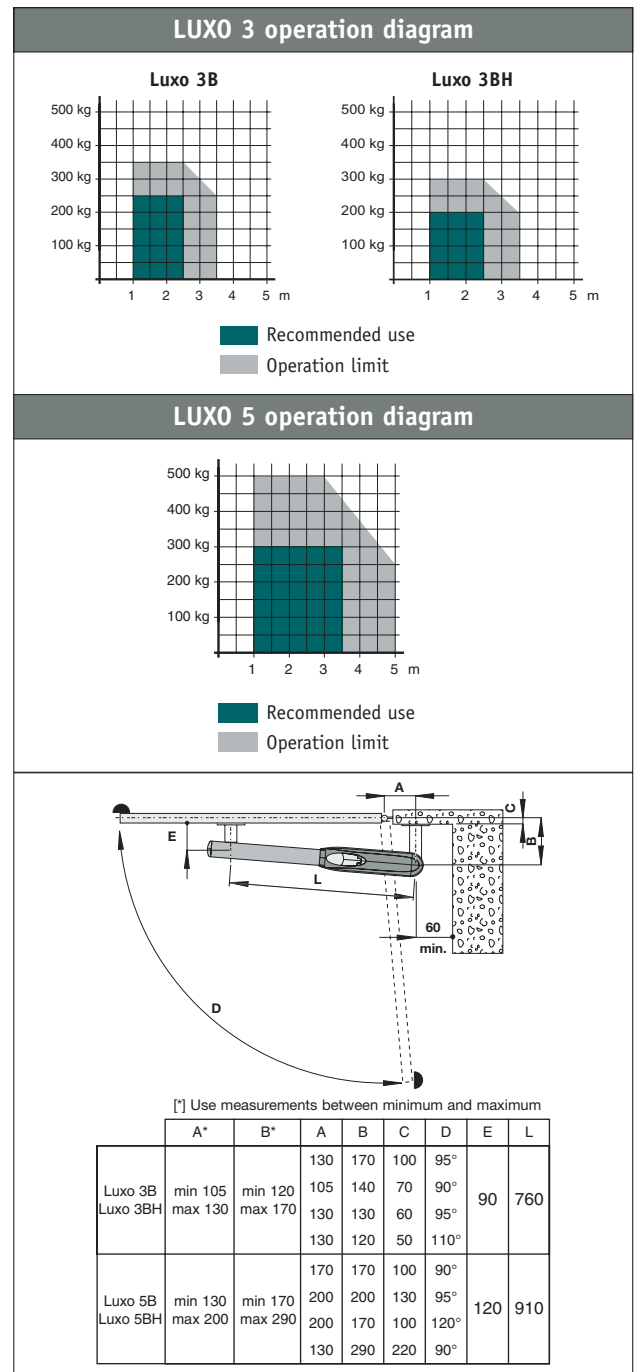
## Smartly designed, details included

All fixing screws are made of stainless steel to be weatherproof and to preserve the beauty of the whole automation system over time. However, they are intentionally and cleverly hidden by the designer's attention to detail.

**Sturdy, durable and reliable, it works quietly to be admired and desired.**

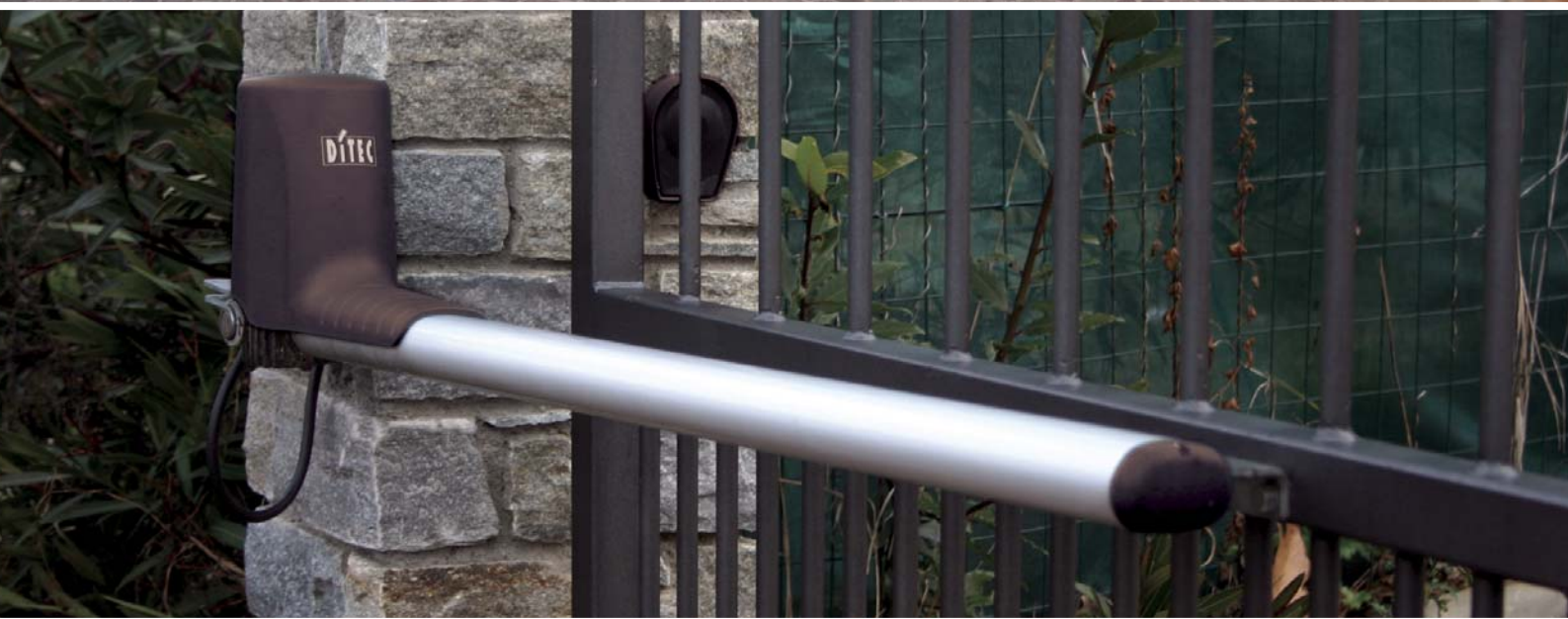


Find out more about its special features and functions in the technical specifications table.





# Obbi, Luxo






























































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External Automations for Swing Gates





## ▶ Main System and Control Panel Functions

	OBBI 3BH	LUXO 3BH	LUXO 3B - 5B	LUXO 3B - 5B	OBBI 3BH - 3BFCH LUXO 3BH - 5BH - 5VBH
	D2H	D2HL	E2	LOGIC M	VIVA H
<b>Control panel</b>	for 1 or 2 motors 24 V DC	for 1 or 2 motors 24 V DC	for 1 or 2 motors 230 V AC with built-in radio	for 1 or 2 motors 230 V AC	for 1 or 2 motors 24 V DC
<b>Mains power supply</b>	230 V~ / 50-60 Hz	230 V~ / 50-60 Hz	230 V~ / 50 Hz	230 V~ / 50 Hz	230 V~ / 50-60 Hz
<b>Batteries</b> (ensure gate operation in the event of power cuts)	 (optional)	 (optional)			 (optional)
<b>Energy saving</b>	 reduced consumption during operation	reduced consumption during operation	reduced consumption in stand-by		reduced consumption during operation
<b>Number of motors</b>	1 or 2	1 or 2	1 or 2	1 or 2	1 or 2
<b>Motor power supply</b>	24 V= / 2 x 4.5 A	24 V= / 2 x 4.5 A	230 V~ / 1 x 5 A 230 V~ / 2 x 2.5 A	230 V~ / 1 x 5 A 230 V~ / 2 x 2.5 A	24 V= / 2 x 12 A
<b>Accessories power supply</b>	24 V= / 0.3 A	24 V= / 0.3 A	24 V= / 0.5 A	24 V= / 0.5 A	24 V= / 0.5 A
<b>Electrically operated lock</b>	24 V= / 1.2 A	24 V= / 1.2 A	12 V= / 15 W	24 V= / 1.2 A	24 V= / 1.2 A
<b>Flashing light</b>	24 V	24 V	230 V	230 V and 24 V	24 V
<b>Gate open warning light</b> (warns the user if gate is not fully closed)	analogue	analogue	from limit switch and analogue	from limit switch and analogue	analogue
<b>Courtesy light</b>			 (with 1 motor only)	 (with 1 motor only)	24 V
<b>Limit switch provision</b>					
<b>Encoder</b> (controls speed and deceleration)					virtual encoder
<b>Force adjustment control</b>			electronic	transformer	automatic
<b>ODS - Obstruction detection system</b> (causes the gate to stop or reverses operation when an obstruction is detected)					
<b>Speed adjustment</b>					
<b>Braking / Slowdown control</b> (ensures best approach)					
<b>Operation time adjustment</b>					
<b>Open control</b>	 (with dip-switch)	 (with dip-switch)	 (with dip-switch)		
<b>Partly open control</b>			 (with radio only)		
<b>Close control</b>					
<b>Automatic timed close control</b>					
<b>Inching control</b>					
<b>Hold-to-run control</b>					
<b>Stop safety device</b>					
<b>Reverse operation safety device</b>					
<b>Safety test facility</b> (for self testing safety devices)					
<b>NIO - Antifreeze system</b> (for maintaining motor efficiency even at very low temperatures)					
<b>Soft start</b>					
<b>Operating temperature</b>	-20°C / +55°C	-20°C / +55°C	-20°C / +55°C	-20°C / +55°C	-20°C / +55°C
<b>Protection rating</b>	IP 55	IP 55	IP 55	IP 55	IP 55
<b>Product dimensions (mm)</b>	187x261x105	187x261x105	187x261x105	187x261x105	238x357x120

**▶ Accessories**

DITEC wide range of accessories offers access systems with a choice of operation and control options.



**GOL 4 transmitters**  
Fixed code, four channel transmitters, with cloning option or rolling code system. Certified and standard compliant.

**▶ GOL 4 transmitter mountings**  
Smartly designed, they can be positioned on any surface: from your car dashboard to your garage or house walls. The remote control can easily be placed in its holder, always ready to be used.



**▶ Xel 2 and Lab 3 infra-red photocells**  
They ensure optimal safety when automation is being used. Can be mounted on a post or on a wall. Modulated infrared beam. Can also be installed in space critical conditions.



**▶ Xel 5 key operated selector switch**  
Fitted with a tamper proof or vandal resistant device. Can be post or wall mounted.



**▶ Standards**

The system has been manufactured by using only DITEC manufactured accessories and safety devices.

All DITEC automations are affixed with the CE mark and are designed and manufactured in compliance with the Machinery Directive (98/37/EC), the Electromagnetic Compatibility Directive (89/336/EEC) and the Low Voltage Directive (73/23/EEC).

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**▶ Sof safety ribs**  
They ensure the highest safety conditions during opening and closing operations in any entrance system.



**▶ Lan 4 digital combination systems**  
Digital vandal-proof combination keyboard with up to 8 figure PIN number.



**▶ Lamp**  
Flashing light complete with aerial for radio receiver.



**▶ Gol 4M keyboard transmitter with digital combination**  
Coded four-channel control. Allows motorised entrances to be remotely controlled by entering a code. Suitable for wall mounting.



**▶ LAN 7 proximity control device**  
TRANSPONDER technology based, wireless identification system. Allows detection without the need for a touch-controlled device.



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