

# ALL INCL USIVE

A complete range for all your residential and light commercial applications.

**Ditec NeoS** operates with gates up to 1.000 kg of weight and is designed to work even in case of intense usage and demanding environmental conditions. The control panel is integrated in the gear motor and provides a wide choice of advanced functions. Ditec NeoS is easy and quick to install and maintain.



# Ditec NeoS

## The pleasant performance

Discover the features which make Ditec NeoS truly unique

### Versatile

The full range of gate operators and accessories satisfies installation requirements in various residential and commercial environments.

### 2 levels of performance

NeoS for standard applications, in complete safety.

NeoS+ for advanced functions and easier setting thanks to the exclusive external LEDs, the USB connection and the internal digital display.

### Performance and technical content

- Opening and closing speed up to 25 cm/sec
- Low consumption and energy saving mode
- Battery kit available in case of fault of tension
- 433 MHz and 868 MHz frequencies available (868 MHz for NeoS+ only)
- Possibility to control courtesy or external ambient lights (NeoS+ only)

### Safety

#### Safeguard against accidents

For maximum safety during closing operations, the gate operator can be equipped with photocells and sensitive edges: in case of contact, the automation reverses the movement preventing damage to persons and things.

Further more Ditec NeoS moving parts are enclosed in the robust case and the gear motor is 24 V DC operated which reduces risks in case of accidental opening of the operator.

#### Protection against the elements

Thanks to the internal components and wiring layout, humidity, bad weather and insects are no longer a problem.

With the NIO function, the temperature sensor adapts gear motor performance in case of cold, ice or snow.

Ditec NeoS is compatible with a full range of protection devices such as photocells, sensors, controls and safety edges.

### Pleasant

#### Innovative and fresh look

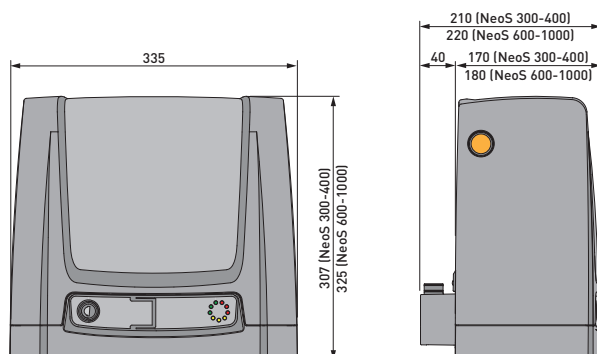
The modern design and clean aesthetics perfectly match all house styles. The integrated control panel and the possibility to mount photocells inside the cover grant a neat installation.

#### Control and security in your hands

The installation of Ditec NeoS can be greatly customised thanks to a wide selection of accessories. While comfortably seated in your car, simply press a button on your remote control and Ditec NeoS will spring into action, powerful and silent. The integrated Ditec solutions further allows you to operate your Ditec NeoS, turn on lights, open your garage door and control automatic road barriers... with just one remote control!



### Dimensions

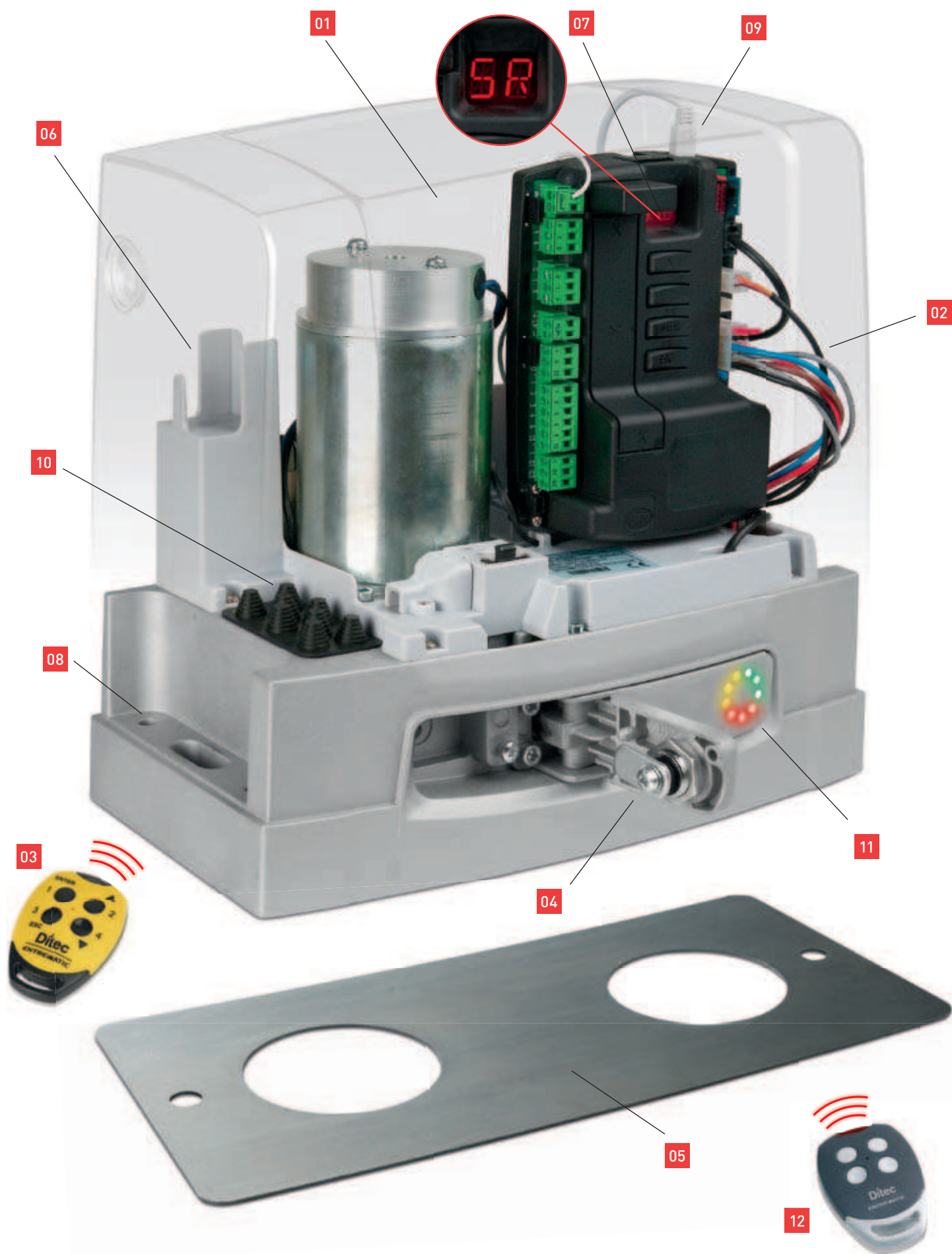


### Product range

	Wing weight up to
NES300 EH	300 kg
NES400 EH	400 kg
NES600 EH	600 kg
NES300 EHP	300 kg, NeoS+
NES400 EHP	400 kg, NeoS+
NES600 EHP	600 kg, NeoS+
NES1000 EHP	1000 kg, NeoS+
DIT300NESL	DO IT NeoS 300 kg
DIT400NESL	DO IT NeoS 400 kg
DIT600NESL	DO IT NeoS 600 kg



# Comfort for the installer, clarity for th



# e user

## Comfort for installation

- Optimised internal components layout **01**
- Installation cables conveniently separated from "in-factory" cabling **02**
- Special radio control to set up the operator **03**
- Practical and convenient lock handle, without sharp edges **04**
- Enclosed steel plate for a convenient and rapid installation (stronger plate available as option) **05**



- Internal photocells' slots for greater safety and practicality **06**
- 2 digit display for easy setting and quick check of operator status **07**
- Adjustable height to ensure a perfect coupling with rack **08**
- PC diagnostic via USB (NeoS+ only) **09** to allow real-time monitoring of operator and download of data tracking for diagnostic
- Thanks to the internal components and wiring layout, humidity, bad weather and insects are no longer a problem **10**



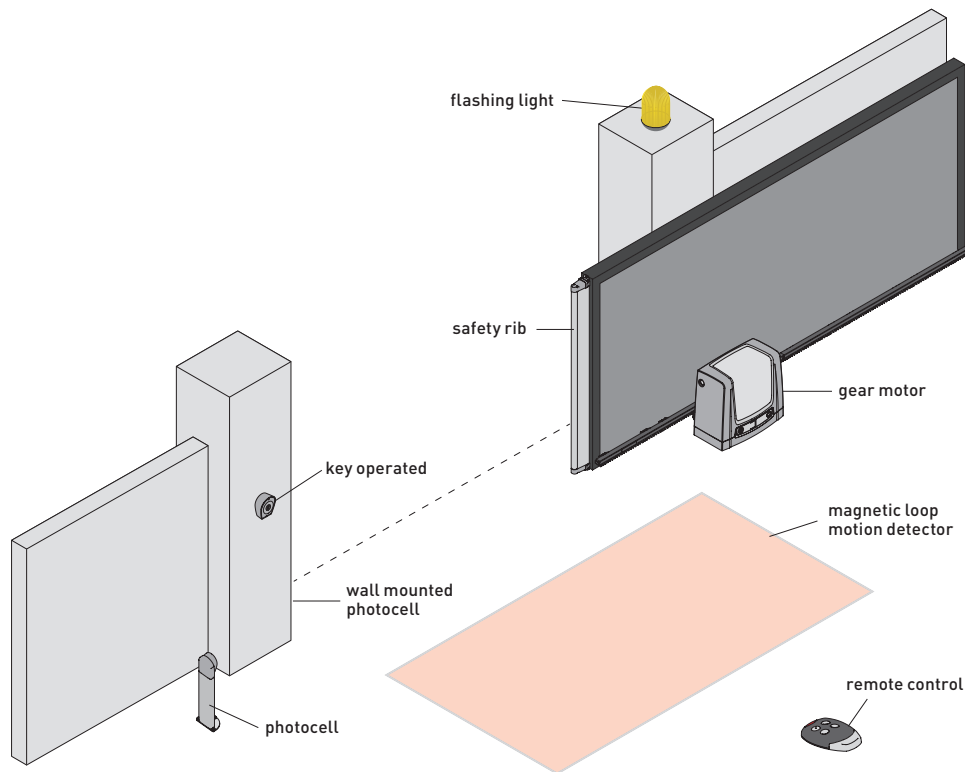
## Clarity for the user

- The multi-LED display informs users about the status of the operator (NeoS+ only) **11** :
  - green indicates regular functioning
  - yellow stands for battery mode and check-up time
  - red signals presence of faults or release cover open
- The release handle is easily accessible from the front of the cover and comes with a key lock for better safety
- Ditec NeoS is controlled via Gol 4 transmitters, pre-programmed with all functions: open, partial opening, power outgoing control (NeoS+ only) , stop **12**



# Example of installation and technical specifications

## Example of installation






## Technical specifications

Description: electromechanical gear motor	NeoS 300 - NeoS+ 300	NeoS 400 - NeoS+ 400	NeoS 600 - NeoS+ 600	NeoS+ 1000
Stroke control	virtual encoder	virtual encoder	limit switch + virtual encoder	limit switch + virtual encoder
Gate leaf weight	300 kg	400 kg	600 kg	1000 kg
Maximum opening	12 m	12 m	20 m	20 m
Service index	4 - intensive	4 - intensive	4 - intensive	4 - intensive
Intermittent operation	S2 = 30 min S3 = 50%	S2 = 30 min S3 = 50%	S2 = 30 min S3 = 50%	S2 = 30 min S3 = 50%
Power absorption	230 V AC 50/60 Hz	230 V AC 50/60 Hz	230 V AC 50/60 Hz	230 V AC 50/60 Hz
Power input	1.2 A	1.2 A	1.5 A	2 A
Thrust	300 N	400 N	600 N	1000 N
Opening and closing speed	0.1 - 0.25 m/s	0.1 - 0.25 m/s	0.1 - 0.24 m/s	0.1 - 0.19 m/s
Release system for manual opening	key-operated	key-operated	key-operated	key-operated
Operating temperature	-20°C / +55°C (-35°C / +55°C with NIO enabled)	-20°C / +55°C (-35°C / +55°C with NIO enabled)	-20°C / +55°C (-35°C / +55°C with NIO enabled)	-20°C / +55°C (-35°C / +55°C with NIO enabled)
Protection level	IP 24	IP 24	IP 24	IP 24
Product dimensions (mm)	335x210x307	335x210x307	335x220x325	335x220x325
Control panel	CS12E - CS12M (built-in)	CS12E - CS12M (built-in)	CS12E - CS12M (built-in)	CS12M (built-in)

## System functions

	NeoS 300 - NeoS 400 NeoS 600	NeoS+ 300 - NeoS+ 400 NeoS+ 600 - NeoS+ 1000
Description	CS12E	CS12M
Control panel	for 1 24 V motor with built-in radio	for 1 24 V motor with built-in radio
Mains power supply	230 V AC / 50/60 Hz	230 V AC / 50/60 Hz
Batteries	■ (optional)	■ (optional)
Energy saving mode 		■
Solar energy ready		■ (predisposition)
Number of motors	1	1
Motor power supply	24 V DC	24 V DC
Accessories power supply	24 V DC / 0.3 A	24 V DC / 0.5 A
Flashing light	24 V	24 V
Open gate indicator output		■
Courtesy light output		■
External LED output		■
Micro USB connection per PC diagnostic		■
Automatic closing activated by external timer or remote signal (opening/closing can be programmed daily/weekly)		■
8,2 KΩ input for safety edge	■	■
Encoder (kinematic control management)	virtual	virtual
Force setting	via display	via display
ODS - Obstruction Detection System	■	■
Speed setting	via display	via display
Braking / slowing down	via display	via display
Partial opening control	■ (only with radio)	■ (with radio and with selector)
Open / Close control	■	■
Temporised automatic closing	■	■
Hold-to-run control	■	■
Emergency stop / reverse	■	■
Safety test	■	■
Soft Start	■	■
NIO - Antifreeze system	■	■
Operating temperature	-20°C / +55°C (-35°C / +55°C with NIO enabled)	-20°C / +55°C (-35°C / +55°C with NIO enabled)