

Ditec

automation for sliding gates up to **3,000kg**



Ditec
OPEN YOUR WORLD

1300 BUY STEEL
fnw.com.au

BRISBANE | TOOWOOMBA | INVERELL | GRAFTON

Why have Steeline FNW teamed up with Ditec for automation solutions across our range of gates and garage doors?



INTELLIGENT



SAFE



VERSATILE

The Ditec range includes automation systems that perfectly combine functionality and customisable options for gates, sectional and overhead garage doors, and industrial doors and barriers. These products offer a unique design and the most advanced technology. Easy to control and completely reliable, Ditec entrance-automation systems optimise efficiency and energy savings while minimising environmental impact.

Ditec ION



Ditec ION is the new range of electromechanical actuators for sliding gates designed to guarantee quality, sturdiness and reliability over time, and to facilitate their installation and maintenance.

The range is made up of two motors per 400Kg and 600Kg wing, and integrates the multifunction control panel in the operating device.

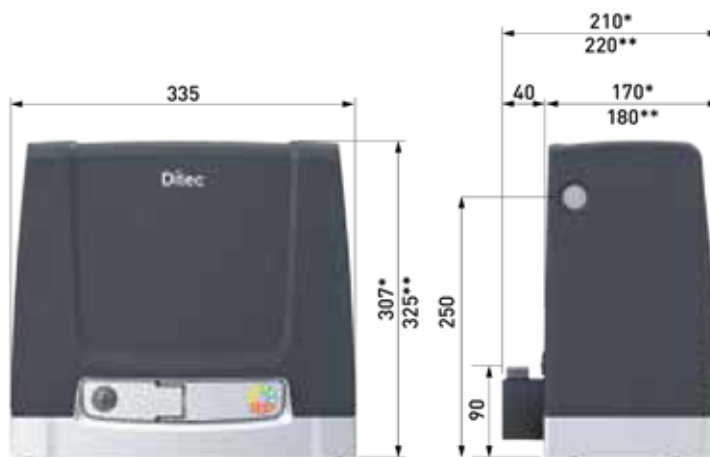
Ditec NEOS and NEOS+



Ditec NEOS is the operating device for residential, commercial and industrial applications, designed to work even under intense use and in demanding environmental conditions.

Fast to install and easy to maintain, it's available in 4 versions for gates of 300kg, 400kg, 600kg and 1000kg and comes with a control panel with display built into the operating device. Two different performance levels are available: Ditec NEOS and Ditec NEOS+

Ditec



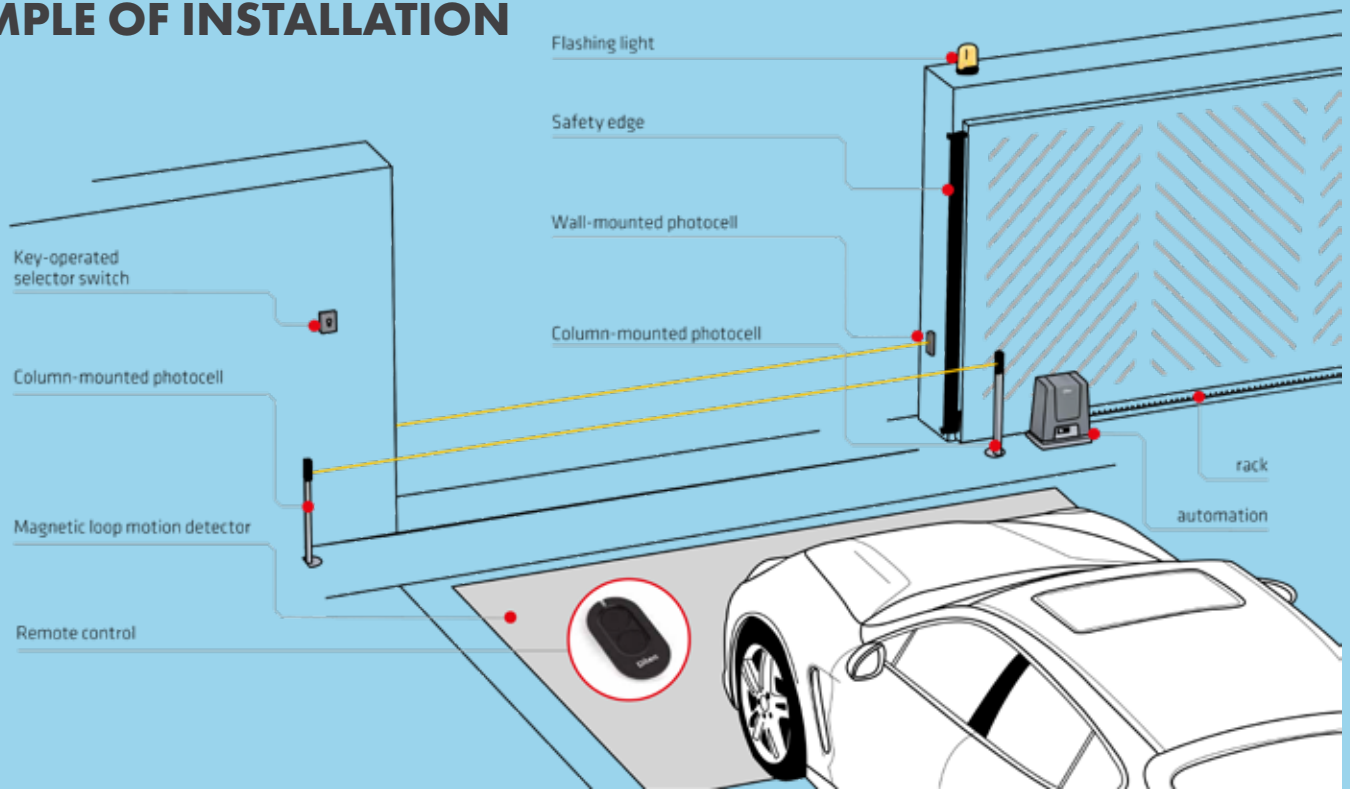
*NEOS and NEOS+ 400

**NEOS and NEOS+ 600-1000, NEOS 600 SF

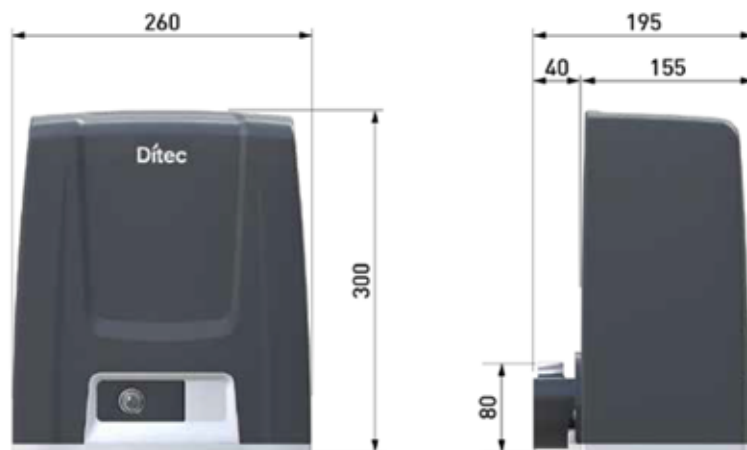
TECHNICAL SPECIFICATIONS

Description	NEOS 400 - NEOS+ 400	NEOS 600 - NEOS+ 600	NEOS 600 SF - NEOS 600 SFJ	NEOS+ 1000 - NEOS+ 1000J
Max. leaf weight	400 kg	600 kg	600 kg	1000 kg
Stroke control	virtual encoder	limit switch + virtual encoder	limit switch + virtual encoder	limit switch + virtual encoder
Maximum opening	12 m	20 m	20 m	20 m
Duty class	4 - heavy duty	4 - heavy duty	4 - heavy duty	4 - heavy duty
Intermittent operation	S2 = 30 min S3 = 50%	S2 = 30 min S3 = 50%	S2 = 30 min S3 = 50%	S2 = 30 min S3 = 50%
Power supply	230 Vac - 50/60 Hz	230 Vac - 50/60 Hz	230 Vac - 50/60 Hz 120 Vac - 50/60 Hz (J version)	230 Vac - 50/60 Hz 120 Vac - 50/60 Hz (J version)
Motor power supply	24 Vdc	24 Vdc	24 Vdc	24 Vdc
Power input	1.2 A	1.5 A	1.5 A 3 A (J version)	2 A 4 A (J version)
Thrust	400 N	600 N	500 N	1000 N
Opening and closing speed	0.1 - 0.25 m/s	0.1 - 0.24 m/s	0.1 - 0.4 m/s	0.1 - 0.19 m/s
Protection rating	IP 24D	IP 24D	IP 24D	IP 24D
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)

EXAMPLE OF INSTALLATION



Ditec



TECHNICAL SPECIFICATIONS

DESCRIPTION	ION 4 - ION 4J	ION 6 - ION 6J
Max. leaf weight	400 kg	600 kg
Stroke control	virtual encoder	virtual encoder
Maximum opening width	12 m	12 m
Service class	frequent use tested up to 150,000 cycles	frequent use tested up to 150,000 cycles
Power supply	230 V AC - 50/60 Hz 120 V AC - 50/60 Hz (J version)	230 V AC - 50/60 Hz 120 V AC - 50/60 Hz (J version)
Power absorption	24 V DC	24 V DC
Max current absorption	0.45 A 0.9 A (J version)	0.6 A 1.2 A (J version)
Thrust	600 N pickup current	800 N pickup current
Opening and closing speed	0.1 - 0.3 m/s	0.1 - 0.3 m/s
Release system for manual opening	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)
Protection rating	IP 44	IP 44
Control panel	LCU48	LCU48

Ditec ZEN the transmitter suitable for every need

Ditec ZEN is the new line of 2 channel and 4 channel remote controls.

The transmitters are available in various colours and in two operating frequencies, 433.92 MHz or 868.35 MHz.

Each transmitter is ready to transmit using various protocols: Ditec rolling code, fixed code, Dip Switch, and the new AES 128-bit Encrypted mode and Protected mode protocols. Guaranteed compatibility with existing Ditec receivers and installations.

The remote control can be configured in standard mode either by means of acquisition from the receiver or by cloning a pre-programmed transmitter, but further additional functionality is available thanks to the ZENPAD programming unit and the ZEN MANAGER software.

Maximum protection

The transmitters are ready to transmit an AES 128-bit encrypted signal that is suitable for safety applications, making it impossible to clone.



Technical features

- Radio transmitters with 2 channels or 4 channels
- Different colors: Black, White, Blue, Green, Red, Yellow, Black with chrome insert, Dark grey with chrome insert
- Versions with 433.92 MHz or 868.35 MHz frequency
- Rolling code with over 4 billion combinations
- Fixed code versions compatible with MM53200 protocol and other remote controls with dip switches



Photocells

Ditec Photocells are safety devices using modulated infra-red ray. These devices which operate on a double relay system, are compliant with the most stringent technical standards as required by applicable regulations. They are reliable over time and simple to install thanks to a different design that adapts to all types of installation.

Designed with elegant and clean lines, this line of product is suitable for any type of frame, both modern or traditional, residential or industrial.

Radio digital combination keypad

Radio digital keypad 4-Ch to control the automation using 4 customisable numeric codes. Two power supply options: with 9V DC battery or through connection to 24V DC electrical control panel.

- The signal is transmitted to the control panel using one of the Ditec radio protocols: fixed code, rolling code, AES-128bit Encrypted, PROTECTED Mode
- Possibility of configuration using ZEN Pad and ZEN Manager software
- 433.92 MHz (AXK4) and 868.35 MHz (AXK4P) versions
- Back-lit keypad and integrated light for status signals

AXK4 and AXK4P can be mounted on a die-cast aluminium vertical mounting of height h=1000 mm or on a wall. This accessory aesthetically match other system accessories (AXP2 photocells, AXR7 transponder technology control device with proximity control, etc.) guaranteeing a well-coordinated design.



Specific Accessories



- ▶ **Energy controllers**
to manage batteries and solar energy production, complete with assembly brackets
- ▶ **Chain traction kit**
- ▶ **Magnetic limit switches**
optional for ION4 and ION6



- ▶ **Remote manual release**
optional for ION4 and ION6
- ▶ **Racks**
 - ▶ nylon rack, complete with screws (integrated supports)
 - ▶ steel rack, complete with screws and supports
- ▶ **Plate**
▶ steel base perfect to simplify for retrofit installations

Ditec
OPEN YOUR WORLD

1300 BUY STEEL
fnw.com.au

BRISBANE
36-54 Badu Court
Meadowbrook QLD 4131

Phone: (07) 3200 8122
Email: brisbane@fnw.com.au

TOOWOOMBA
300 Anzac Avenue
Harristown QLD 4350

Phone: (07) 4580 4244
Email: toowoomba@fnw.com.au

INVERELL
84 Oliver Street
Inverell NSW 2360

Phone: (02) 6722 4593
Email: inverell@fnw.com.au

GRAFTON
56 Through Street
Grafton NSW 2460

Phone: (02) 5632 3055
Email: grafton@fnw.com.au