

Dítec
OPEN YOUR WORLD



ENERGY
SAVING



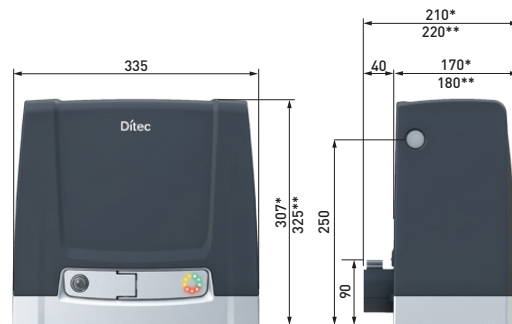
SAFE



VERSATILE

Automation
system for
sliding gates up
to **1000 kg**

Ditec **NEOS Green**



*NEOS 500 G
**NEOS 800 G - 1000 G

TECHNICAL SPECIFICATIONS

Description	NEOS 500 G	NEOS 800 G	NEOS 1000 G - NEOS 1000 G J
Max. leaf weight	500 kg	800 kg	1000 kg
Stroke control	virtual encoder	limit switch + virtual encoder	limit switch + virtual encoder
Maximum opening	20 m	20 m	20 m
Duty class	4 - heavy duty	4 - heavy duty	4 - heavy duty
Power supply	230 Vac - 50/60 Hz	230 Vac - 50/60 Hz	230 Vac - 50/60 Hz 120 Vac - 50/60 Hz (J version)
Motor power supply	24 Vdc	24 Vdc	24 Vdc
Power input	1,5 A	1,5 A	2 A 4 A (J version)
Thrust	500 N	800 N	1000 N
Opening and closing speed	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
Intermittent operation	S2 = 30 min; S3 = 60% (T=25°C)	S2 = 30 min; S3 = 60% (T=25°C)	S2 = 30 min; S3 = 60% (T=25°C)
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)
Protection rating	IP 24D	IP 24D	IP 24D

MAIN FUNCTIONS OF THE SYSTEM

GENERAL DATA

Control panel	CS12MG built-in
Radio module	RCB50E (433.92 - 868.35 Mhz selectable via jumper)
Accessories power supply	24 Vdc / 0.5 A
Energy saving	< 0.5 W standby consumption
Operating temperature	-20°C +55°C in standard conditions -35°C +55°C with NIO enabled

INPUTS

Open control	■
Partial opening control	■
Close control	■
Stop control	■ or via radio
Inching control	■
Hold-to-run command	■
Automatic contact closing management (enable or disable automatic closing with external timer or a remote signal)	shared with partial opening control, which can be selected from the display

OUTPUTS

Number of 24 Vdc outputs	2
- Flashing light	24 Vdc
- Gate-open warning light (ON/OFF)	■
Configurable 230 Vac C-NO output	1, up to 400 W
- Flashing light	230 Vac
- Courtesy light	■
- Always closed contact - always open contact	■
- Automation closed, open, in movement, in opening, in closing	■

PROGRAMMABLE FUNCTIONS

Stroke control	virtual encoder
Configuration of programmable functions	display and navigation keys
Opening and closing thrust	■ adjustable
Speed	■ adjustable
Soft Start / Soft Stop	■ adjustable
Automatic re-closing time	■ adjustable
Pre-flashing time in opening and closing	■ adjustable
Integrated datalogging (counter and recent alarm history)	■
Extended datalogging (in-depth recording of each event)	■
FW update	■ with micro USB cable and Amigo SW

SAFETY AND PROTECTION FUNCTIONS

Emergency stop	■
Safe closing (inversion)	■
Safety test function (for self-monitored safety devices)	■
ODS - Obstruction Detection System (causes the gate to stop or reverses movement when an obstacle is detected)	■
NIO - Antifreeze system	■

ACCESSORIES

Battery	■ optional with SBU
Battery arrangement built into the automation	■
Solar-powered operation in stand-alone mode	■ with SBU
8.2 KΩ-resistance safety edge	■ with GOPAV
Magnetic loop detector	■ with LAB9