

# Ditec ION

Automation for sliding gates up to 600 Kg

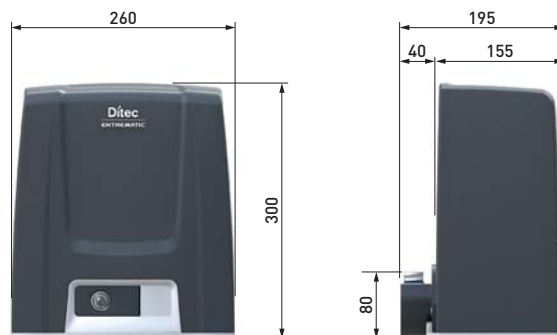
**Ditec ION** is the new range of electromechanical actuators for sliding gates designed to guarantee quality, sturdiness and reliability over time, and to facilitate their installation and maintenance.

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



## Product specifications

EN



## Technical specifications

Description	ION 4	ION 6
Max. leaf weight	400 kg	600 kg
Stroke control	virtual encoder	virtual encoder
Maximum opening width	12 m	12 m
Service class	frequent tested up to 150,000 cycles	frequent tested up to 150,000 cycles
Power supply	230 V AC - 50-60 Hz	230 V AC - 50-60 Hz
Power absorption	24 V DC	24 V DC
Power input	0.45 A	0.6 A
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]	
Protection rating	IP 44	IP 44
Control panel	LCU48	LCU48

## Main functions of the system

TECHNICAL SPECIFICATIONS		PROGRAMMABLE FUNCTIONS	
Control panel	built-in with radio incorporated	Gate-open warning light with proportional blink rate	■ shared with flashing light
Radio frequency	433.92 MHz standard, 868.35 MHz with ZENPRS or with ZENPR2	Courtesy light	■ shared with flashing light
433.92 MHz --> 868.35 MHz interchangeable receiver module	■	<b>PROGRAMMABLE FUNCTIONS</b>	
Mains power supply	230 V AC - 50/60 Hz	Stroke control	virtual encoder
Accessories power supply	24 V DC / 0.3A	Configuration of programmable functions	display and navigation keys
Limit switch provision	■	Force adjustment	Electronic
Energy saving	reduced consumption in standby	Speed setting	■
Operating temperature	-20°C +55°C in standard conditions -35°C +55°C with NIO enabled	Soft Start / Soft Stop	adjustable
<b>INPUTS</b>		Braking/Slowing down	adjustable
Open control	shared with inching control, which can be selected from the display	Stop approach	adjustable
Partial opening control	■	Adjustable automatic closing time	■
Close control	shared with emergency stop, which can be selected from the display	Integrated datalogging (counters and recent alarm history)	■
Stop control	via Radio or shared with partial opening control, which can be selected from the display	FW update	■ using Amigo
Inching control	■	<b>SAFETY and PROTECTION FUNCTIONS</b>	
Hold-to-run command	■	Emergency stop	■
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	Safe closing (inversion)	■
<b>OUTPUT</b>		Safety Test Facility (for automatic safety devices)	■
Flashing light	24 V DC	ODS - Obstruction Detection System (causes the gate to stop or reverses movement when an obstacle is detected)	■
Electrically operated lock	■ shared with flashing light	NIO - Antifreeze system	■
Gate-open warning light (ON/OFF)	■ shared with flashing light	<b>OPTIONAL ACCESSORIES</b>	
		Batteries	■ with IONSBU
		Ready for integrated batteries	■
		Stand-alone solar-power connection	■ with IONSBU
		8.2 KΩ-resistance safety edge	■ with GOPAV or SOF accessory
		Magnetic loop detector	■ with LAB9

## FULL COMPLIANCE WITH EU DIRECTIVES AND STANDARDS



- 2014/30/EU - EMCD - Electromagnetic Compatibility Directive
- 2014/53/EU - RED - Radio Equipment Directive
- 2006/42/CE - Machines Directive - (Annex II-B; Annex II-A; Annex I-Chapter 1)
- Harmonised EU Standards: EN ISO 13849-1 and EN ISO 13849-2; EN 60335-1; EN61000-6-3; EN61000-6-2; ETSI EN 300 220-1; ETSI EN 300 220-2; ETSI EN 301 489-1; ETSI EN 301 489-3
- Other standards / technical specifications applied: EN12445; EN62233; EN55014-1