

**Dítec**  
OPEN YOUR WORLD



INTELLIGENT



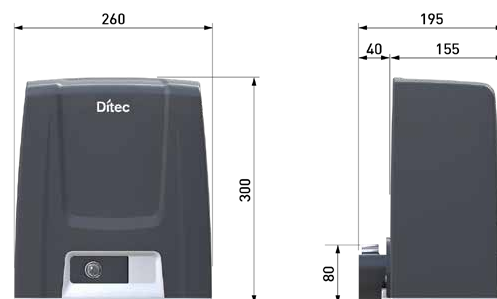
SAFE



VERSATILE

Automation  
for sliding gates  
up to **600 kg**

Dítec **ION**



## 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

## MAIN FUNCTIONS OF THE SYSTEM

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



**Ditec S.p.A.**

Largo U. Boccioni, 1  
21040 Origgio (VA) • Italy

Tel +39 02 963911  
Fax +39 02 9650314

info@ditecautomations.com  
www.ditecautomations.com

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