

Ditec PWR

Automation system for swing gates with wings up to 5 metres

Ditec PWR is the new range of electromechanical operating devices for swing gates in residential, condominium and industrial applications. They are designed and developed to ensure quality and strength, while making installation and maintenance easy. A complete series made up of: a motor for wings up to 2.5 m (Ditec PWR 25), a motor for wings up to 3.5 m (Ditec PWR 35) and three motors for wings up to 5 m (Ditec PWR 50 series).

SAFE



EASY TO INSTALL



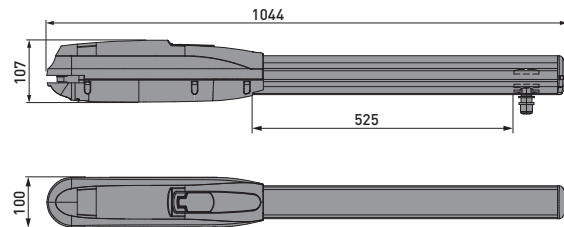
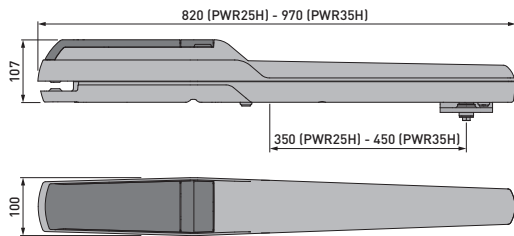
COMPLETE RANGE



Data sheet

EN

Ditec PWR25H
Ditec PWR35H



Ditec PWR50H
Ditec PWR50HV
Ditec PWR50HR

Technical specifications

Description	PWR25H	PWR35H	PWR50H	PWR50HV	PWR50HR
Electromechanical Actuator	irreversible for wings up to 2.5 m	irreversible for wings up to 3.5 m	irreversible for wings up to 5 m	irreversible for wings up to 5 m	reversible for wings up to 5 m
Stroke control	mechanical stop	mechanical stop magnetic limit switch (optional)	mechanical stop	magnetic limit switch	mechanical stop
Maximum capacity	400 kg x 1.5 m 200 kg x 2.5 m	600 kg x 1.75 m 250 kg x 3.5 m	800 kg x 1.75 m 280 kg x 5 m	800 kg x 1.75 m 280 kg x 5 m	800 kg x 1.75 m 280 kg x 5 m
Power supply	24 V DC				
Maximum power	5 A	5.5 A	12 A	12 A	12 A
Absorbed power	55 W nom. / 120 W max	65 W nom. / 132 W max	65 W nom. / 288 W max	65 W nom. / 288 W max	65 W nom. / 288 W max
Thrust	2000 N	3000 N	6000 N	6000 N	6000 N
Opening Time	10÷60 s / 90°	14÷80 s / 90°	14÷80 s / 90°	14÷80 s / 90°	14÷80 s / 90°
Max working travel	350 mm	450 mm	500 mm	500 mm	500 mm
Actuator maximum opening	110°	110°	120°	120°	120°
Intermittance	30 consecutive cycles at 20°C	50 consecutive cycles at 20°C	60 consecutive cycles at 20°C	60 consecutive cycles at 20°C	60 consecutive cycles at 20°C
Duty cycle	Frequent Up to 150,000 cycles	Intensive Up to 300,000 cycles	Very Intensive Up to 450,000 cycles	Very Intensive Up to 450,000 cycles	Heavy duty Up to 600,000 cycles
Release system for manual opening	key-operated	key-operated	key-operated	key-operated	key-operated
Operating temperature	-20°C / +55°C (-35°C / +55°C with NIO enabled)				
Protection level	IP44	IP44	IP44	IP44	IP44
Weight (Kg)	7.8	9	10.5	10.5	10.5
Control panel	LCU30H or LCU40H	LCU30H or LCU40H	LCU40H	LCU40H	LCU40H

Main functions of the system

Description	LCU30H	LCU40H
Control panel	for 1 or 2 24 Volt DC motors with incorporated radio decoder and 433 MHz receiver module	for 1 or 2 24 Volt DC motors with incorporated radio decoder and 433 MHz receiver module
433 MHz --> 868 MHz interchangeable receiver module	■	■
Mains power supply	230 V - 50/60 Hz	230 V - 50/60 Hz
Batteries	■ (with optional accessory)	■ (with optional accessory)
Motor power supply	24 V DC / 2 x 6 A	24 V DC / 2 x 12 A
Accessories power supply	24 V DC / 0.3 A direct - 0.5 A max.	24 V DC / 0.5 A direct
Electro-mechanical lock	■	■
Flashing light	24 V DC	24 V DC
Gate-open warning light	Shared with electro-mechanical lock or flashing light	■
Limit-switch provision	■	■
Virtual encoder (speed and deceleration control)	■	■
Settings adjustment	from display	from display
Braking / Slowing down	■	■
Soft start / Soft stop	■	■
Time setting	■	■
Open control	■	■
Partial opening control	■	■
Close control	■	■
Stop control	■	■
Inching control	■	■
Hold-to-run control	■	■
Adjustable automatic closing time	■	■
Contact for automatic closing management	■	■
Emergency stop	■	■
Safe closing (inversion)	■	■
Safety test (for self-testing safety devices)	■	■
NIO - Antifreeze system	■	■
Green mode (standby consumption <1 W)	■	■
Integrated datalogging (counters and recent alarm history)	■ (can be viewed on display)	■ (can be viewed on display and on PC with SW Amigo)
Extended datalogging with micro SD (in-depth records for every event)	■	■ (can be viewed on PC with SW Amigo)
FW update through USB/Micro SD	■	■
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	IP55	IP55
Product dimensions (mm)	187x261x105	238x357x120

FULL COMPLIANCE WITH EU DIRECTIVES AND STANDARDS

- 2014/30/EU - EMCD - Electromagnetic Compatibility Directive
- 2014/53/EU - RED - Radio Equipment Directive
- 2006/42/EC - Machines Directive - (Annex II-B; Annex II-A; Annex I-Chapter 1)

N.B.: TÜV certified with LCU40H

