

24V
VIRTUAL
ENCODER

SAFE



ROBUST



VERSATILE

Automation
with arm for
swing gate
with up to **5 m** single gate

Dítec **ARC**

Ditec Arc

Easy to install and versatile, for swing gates with doors up to 5 metres
For heavy duty

Versatile

Ditec Arc allows easy installation, can move even very large wings, and is available with 24 V DC power supply, ensuring high operating safety.

Ensures long-lasting operational reliability

Ditec Arc key release system is easy to access. In case of power failure, the 24 V DC version ensures some emergency automatic operations, taking the necessary power supply from the battery (optional).

The ABS casing offers a greater resistance to atmospheric agents.

Accessories

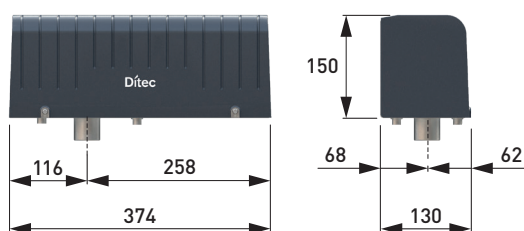
- Key operated handle with 5 m remote release cord
- Limit switch unit
- Internal and external battery for VIVA H control panel
- Gear motor side fastening plate
- Adjustable stop

Product range

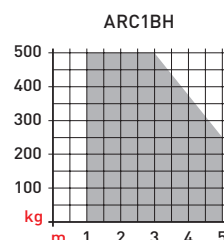
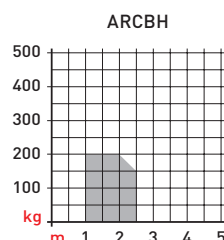
ARCBH	up to 2.5 m
ARC1BH	up to 5 m



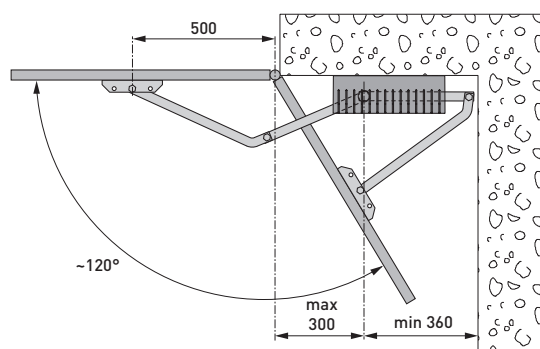
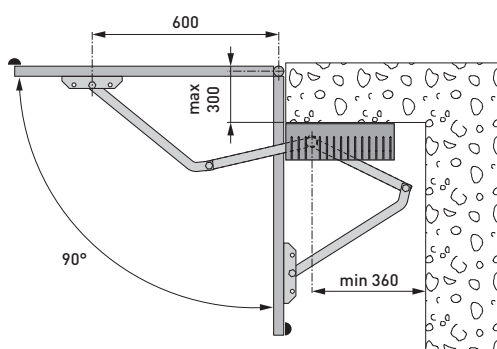
Dimensions



Operation limits

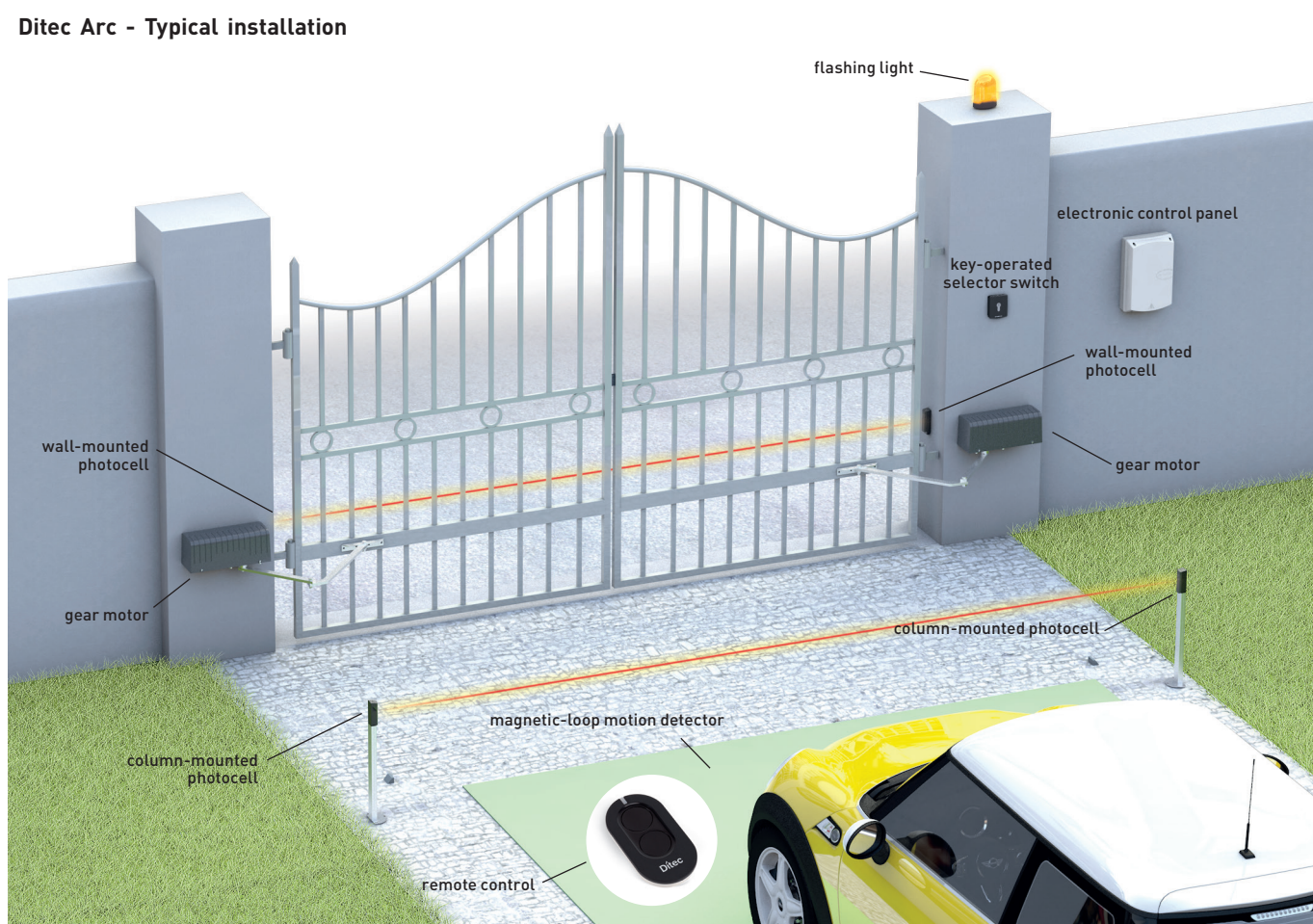


Charts



Example of installation and technical characteristics

Ditec Arc - Typical installation



Technical specifications

Description	Arc BH	Arc 1BH
Electromechanical actuator	irreversible for up to 2.5 m wide wing	irreversible for up to 5 m wide wing
Stroke control	rotary limit switch (optional)	rotary limit switch (optional)
Maximum capacity	200 kg x 2 m 150 kg x 2.5 m	500 kg x 3 m 250 kg x 5 m
Service index	4 - intensive	4 - intensive
Intermittent operation	S2 = 30 min S3 = 50%	S2 = 30 min S3 = 50%
Power absorption	24 V DC	24 V DC
Power input	3 A	12 A
Torque	150 Nm	300 Nm
Opening time	12÷100 s/90°	09÷50 s/90°
Actuator maximum opening	130°	130°
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 level	IP 54	IP 54
Product dimensions (mm)	374x130x150	374x130x150
Control panel	LCU30H LCU40H	LCU40H

	Arc BH	Arc BH, Arc 1BH
TECHNICAL FEATURES		
Control panel	LCU30H for 1 or 2 24 V DC motors with built-in radio	LCU40H for 1 or 2 24 V DC motors with built-in radio
433MHz/868MHz interchangeable receiver module	■	■
Number of motors	1 or 2	1 or 2
Mains power supply	230 V - 50/60 Hz	230 V - 50/60 Hz
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 (0.5 A max.)	24 V DC / 0.5 A
Operating temperature	-20°C / + 55°C in standard conditions / -35°C / +55°C with NIO enabled	-20°C / + 55°C in standard conditions / -35°C / +55°C with NIO enabled
Control panel protection level	IP55	IP55
Control panel dimensions (mm)	187x261x105	238x357x120
INPUTS		
Opening control	Shared with inching control, selected via display	■
Partial opening control	■	■
Close control	Shared with emergency stop, which can be selected from the display	■
Stop control	■ via radio or shared with partial opening control, which can be selected from the display	■
Inching control	■	■
Hold-to-run control	■ selected via display	■
OUTPUT		
Flashing light	24 V DC	24 V DC
Electrically operated lock	12 V DC / 15 W	12 V DC / 15 W
Gate-open warning light (ON/OFF)	■ shared with electrically operated lock or flashing light	■
Gate-open warning light with proportional blink rate	■ shared with electrically operated lock or flashing light	■
Courtesy light	■ shared with electrically operated lock or flashing light	■ shared with electrically operated lock or flashing light
PROGRAMMABLE FUNCTIONS		
Force adjustment	Electronic	Electronic
Speed setting	■	■
Soft Start/Soft Stop	Adjustable	Adjustable
Braking/Slowing down	Adjustable	Adjustable
Stop approach	Adjustable	Adjustable
Operation time	Adjustable	Adjustable
Automatic re-closing time	Adjustable	Adjustable
Integrated datalogging (counters and recent alarm history)	■ can be viewed on display	■ can be viewed on display and on a PC with Amigo SW
Extended datalogging with micro SD (in-depth records for every event)		■ can be viewed on a PC with Amigo SW
FW update	■ using Amigo SW and USBPROG	■ with MicroSD
SAFETY AND PROTECTION FUNCTIONS		
Emergency stop	■	■
Safe closing (inversion)	■	■
Safety Test Facility (for automatic safety devices)	■	■
ODS - Obstruction Detection System (causes the gate to stop or reverses movement when an obstacle is detected)	■	■
NIO - Antifreeze system	■	■
OPTIONAL ACCESSORIES		
Batteries	■ with SBU	■ with SBU
Possibility of integrated batteries in the control panel		■
Stand-alone solar-power connection	■ with SBU	■ with SBU
Hybrid solar-power connection		■ with SBU
8.2 KΩ-resistance safety edge	■ with accessory	■ with accessory
Magnetic loop detector	■ with LAB9	■ with LAB9



Cert. n. 0957/6

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