



# Arc

external automation for  
swing gates



# Arc

## ▶ The right automation choice even for complex situations

Arc is an electromechanical actuator for up to 5-metre single-leaf swing gates. Its articulated arm and leverage system ensure the perfect movement of the gate, making Arc the ideal solution in complex situations such as wings supported by massive or not parallel-to-a-plumb-line pillars.

Arc allows easy installation, either right or left, can move even very large wings, available also with 24V DC power supply, ensuring its high safety operation.

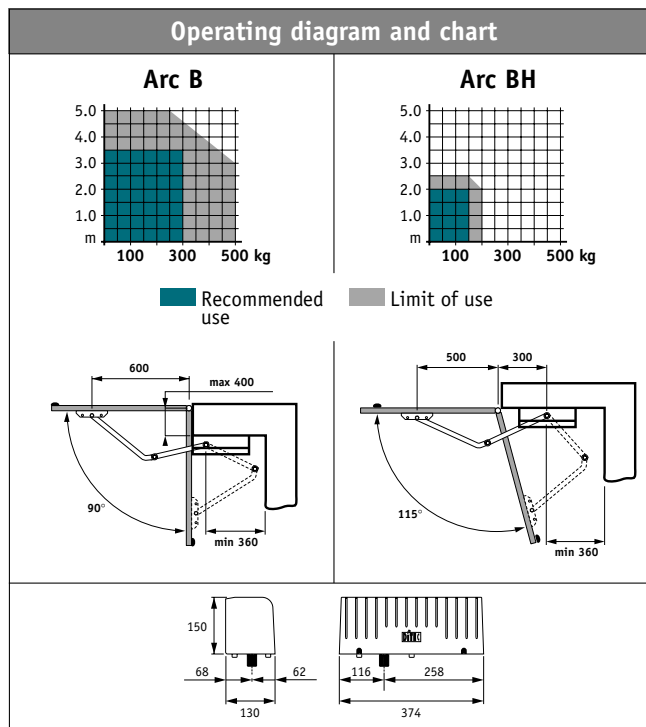
Arc key release system is easy to access. In case of power failure, the 24 V DC version ensures some emergency automatic operations, taking the necessary power supply from the battery (optional).

The ABS casing offers a greater resistance to atmospheric agents.

Arc can solve your problem and ensures long-lasting reliability.

### Specific accessories

- ▶ Key handle with 5-metre cord for remote release
- ▶ Front mounting plate
- ▶ Adjustable stop
- ▶ Limit-switch set



## ▶ Technical specifications

	ARC B	ARC BH
Description:	irreversible suitable for wing up to 5 m	irreversible suitable for wing up to 2.5 m
Electromechanical Actuator		
Maximum capacity	500 kg x 3 m 250 kg x 5 m	200 kg x 2 m 150 kg x 2.5 m
Type of use/service	frequent	heavy duty
Intermittency	S2 = 15 min - S3 = 25%	S2 = 30 min - S3 = 50%
Power supply	230 V~ / 50 Hz	24 V=
Insulation class	class 1	class 3
Input	1.2 A	3 A
Torque	300 Nm	150 Nm
Opening time	22 s/90°	15±18 s/90°
Max opening	130°	130°
Release for manual opening	by key	by key
Operating temperature	-20°C / +55°C	-20°C / +55°C
Protection degree	IP54	IP54
Product dimensions	374x130x150 mm	374x130x150 mm
Control panel	E2 - LOGIC A21 LOGIC A22	D2H - LOGIC C22S LOGIC C22



## Main functions of the automation system and control panels

	ARC B			ARC BH		
	E2	LOGIC A21	LOGIC A22	D2H	LOGIC C22S	LOGIC C22
<b>Description: Control panel</b>	for 1 or 2 230 V~ motors with incorporated radio	for 1 230 V~ motor (multifunction)	for 2 230 V~ motors (multifunction)	for 1 or 2 24 V= motors	for 1 or 2 24 V= motors	for 1 or 2 24 V= motors
<b>Mains power supply</b>	230 V~ / 50 Hz	230 V~ / 50 Hz	230 V~ / 50 Hz	230 V~ / 50 Hz	230 V~ / 50 Hz	230 V~ / 50 Hz
<b>Batteries</b> for operation in case of a power break				 (optional)		
<b>Number of motors</b>	1 or 2	1	2	1 or 2	1 or 2	1 or 2
<b>Motor power supply</b>	230 V~/2x2.5 A	230 V~ / 5 A	230 V~/2x2.5 A	24 V= / 2x4.5 A	24 V= / 2x4.5 A	24 V= / 2x12 A
<b>Accessory power supply</b>	24 V= / 0.5 A	24 V= / 0.3 A	24 V= / 0.3 A	24 V= / 0.3 A	24 V= / 0.3 A	24 V= / 0.3 A
<b>Electric lock</b>	12 V= / 15 W	24 V= / 1.2 A	24 V= / 1.2 A	24 V= / 1.2 A	24 V= / 1.2 A	24 V= / 1.2 A
<b>Flashing light</b> indicates automatic closing for 3 seconds	230 V	230 V and 24 V	230 V and 24 V	24 V	24 V	24 V
<b>Open automation indicator</b> signals total closing failure	from limit switch and analogue	from limit switch and analogue	from limit switch and analogue	analogue	analogue	analogue
<b>Courtesy light</b>	 (1 motor only)					
<b>Limit switch prearrangement</b>			 (opening only)		 (deceleration)	 (deceleration)
<b>Force adjustment</b>	electronic	transformer	transformer			
<b>ODS - Obstacle detecting system</b> causes stop or reversal of operation if an obstacle is found						
<b>Speed adjustment</b> permits adjusting speed to achieve best operation						
<b>Braking/Deceleration</b> for best approach						
<b>Operation time adjustment</b>						
<b>Opening command</b>	 (with dip-switch)					
<b>Partial opening command</b>	 (with remote only)					
<b>Closing command</b>						
<b>Timed automatic closing</b>						
<b>Step-by-step command</b>						
<b>Hold-to-run command</b>						
<b>Stop safety device</b>						
<b>Reverse movement safety device</b>						
<b>Autotest function</b> for SICUR self-controlled safety devices						
<b>NIO - Antifreeze system</b> for maintaining motor efficiency even at low temperatures						
<b>Operating temperature</b>	-20°C / +55°C	-20°C / +55°C	-20°C / +55°C	-20°C / +55°C	-20°C / +55°C	-20°C / +55°C (+5°C / +40°C batteries)
<b>Protection degree</b>	IP55	IP55	IP55	IP55	IP55	IP55
<b>Product dimensions</b>	180x250x100	180x250x100	225x320x120	180x250x100	225x320x120	225x320x120

## ▶ Accessories

DITEC wide range of accessories offers access systems with several operation and control alternatives.



**Bix radio remote controls**  
With individual code, that can not be copied, stored in the EEPROM, 16-million code combinations, rolling code technology.  
Approved and in compliance with directives.

## ▶ Regulations

Use only DITEC accessories and safety devices for automation system installation.

DITEC actuators are CE-marked. They are designed and built in compliance with the safety requirements defined in the Machinery Directive (98/37/EC), Electromagnetic Compatibility Directive (89/336/EEC) and Low-Voltage Directive (73/23/EEC). DITEC S.p.A. reserves the right to make any changes whatsoever in order to upgrade its products.

Ditec products are constantly improved. As a consequence, technical data as listed in this leaflet are not to be considered binding. Further information can be found in our technical manuals, available on the website [www.ditec.it](http://www.ditec.it)



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- ▶ **Bix 5 - radio remote control holder**  
Its elegant design makes it the right complement anywhere: on your car dashboard, on your garage or on your house walls. The radio remote control can easily be placed into its holder and be always available there for you to use.
- ▶ **Xel 2 infrared photocells**  
They allow actuators to operate at the highest safety levels. Suitable for post or surface mounting. Modulated infrared beam.
- ▶ **Xel 5 key selectors**  
High security, vandal-proof device. Suitable for post or surface mounting.
- ▶ **CS0 rubber safety edges**  
They guarantee the highest safety conditions during opening and closing operations in any entrance system.
- ▶ **Lan 4 digital selectors**  
Vandal-proof digital keypad with secret code up to 8 figures.
- ▶ **LAMP flashing light**  
Attractive and elegant design. Available also with surface-mounting support and built-in antenna.
- ▶ **TEO L wireless digital keypad**  
4-channel programmable radio remote control. It provides radio opening of automatic entrances, by means of a code. Suitable for surface mounting.
- ▶ **LAN 7 proximity access control**  
Identification system using transponder technology. Non-contact detection.



ISO 9001  
Cert. n° 0957/1