

# Ditec Cubic 6

Underground electromechanical swing gate actuator

Ideal for high class gates, **Ditec Cubic 6** does not have any visible part and allows gates to be operated without altering their style and image. This feature makes this automation the ideal choice for fine gates and entrance doors, as well as for gates and entrance doors fitted to buildings of high architectural or historic value, or for any setting requiring style, aesthetic value and elegance to be preserved.



Product specifications

EN

## Main features

Description	Cubic 6	Cubic 6H	Cubic 6HV
Electromechanical actuator	irreversible for up to 3.5 m wide wing	irreversible for up to 3.5 m wide wing	irreversible for up to 1.5 m wide wing
Stroke control	magnetic mechanical stop (optional)	magnetic mechanical stop (optional)	magnetic mechanical stop (optional)
Maximum capacity	600 kg x 2 m 250 kg x 3.5 m	600 kg x 2 m 250 kg x 3.5 m	200 kg x 1.5 m
Service index	3 - frequent	4 - intensive	4 - intensive
Intermittent operation	S2 = 15 min S3 = 25%	S2 = 30 min S3 = 50%	S2 = 30 min S3 = 50%
Power absorption	230 V AC / 50 Hz	24 V DC	24 V DC
Input	1.5 A	12 A	12 A
Torque	340 Nm	340 Nm	220 Nm
Opening time	18 s/90°	12÷25 s/90°	6÷13 s/90°
Actuator maximum opening	110° or 180°	110° or 180°	110° or 180°
Release system for manual opening	key operated	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)	-20°C / +55°C (-35°C / +55°C with NIO enabled)
Protection level	IP 67	IP 67	IP 67

## Main system functions

Description	Cubic 6	Cubic 6	Cubic 6H-6HV
Control panel	ref. E2 for 1 or 2 motors 230 V AC with built-in radio	ref. LOGIC M for 1 or 2 230 V AC motors	ref. VIVA H for 1 or 2 24 V DC motors
Mains power supply	230 V AC / 50 Hz	230 V AC / 50 Hz	230 V AC / 50-60 Hz
Batteries			■ (optional)
Number of motors	1 or 2	1 or 2	1 or 2
Motor power supply	230 V AC / 1 x 5 A 230 V AC / 2 x 2.5 A	230 V AC / 1 x 5 A 230 V AC / 2 x 2.5 A	24 V DC / 2 x 12 A
Accessories power supply	24 V DC / 0.5 A	24 V DC / 0.5 A	24 V DC / 0.5 A
Electrically operated lock	12 V DC / 15 W	24 V DC / 1.2 A	24 V DC / 1.2 A
Flashing light	230 V AC	230 V AC and 24 V DC	24 V DC
Gate open warning light (warns the user if gate is not fully closed)	from limit switch and analogue	from limit switch and analogue	analogue
Courtesy light	■ (1 motor only)	■ (1 motor only)	24 V
Limit switch provision	■	■	■
Encoder			virtual encoder
Force adjustment control	electronic	transformer	automatic
ODS - Obstruction detection system	■	■	■
Speed adjustment			■
Braking/slow down control			■
Operating time adjustment	■	■	■
Open control	■ (with dip-switch)	■	■
Partly open control	■ (with radio only)	■	■
Close control	■	■	■
Automatic timed close control	■	■	■
Inching control	■	■	■
Hold-to-run control	■	■	■
Stop safety device	■	■	■
Reverse operation safety device	■	■	■
Safety Test Facility		■	
NIO - Antifreeze System		■	■
Soft start			■
Operating temperature	-20°C / +55°C	-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 55	IP 55	IP 55
Product dimensions (mm)	180x251x105	187x261x105	238x357x120