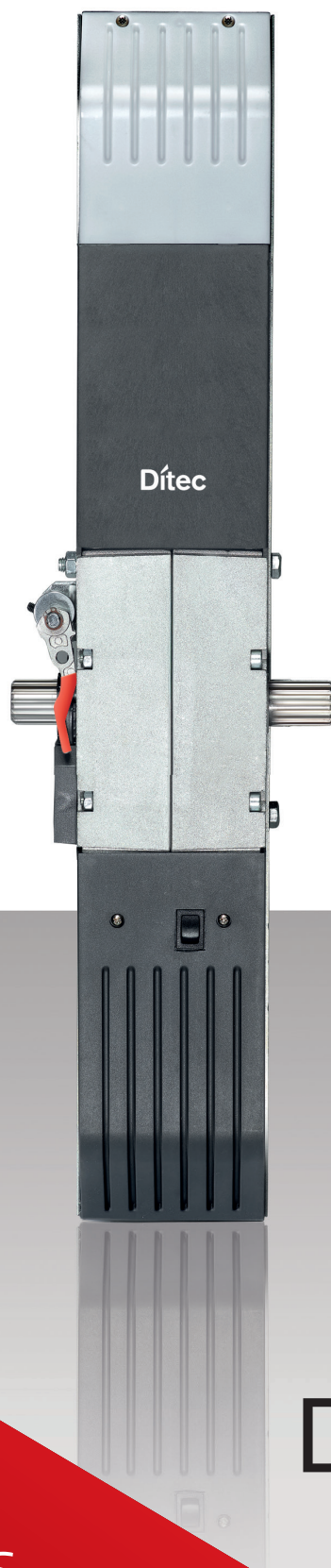


Dítec
OPEN YOUR WORLD



SMART



ENERGY
SAVING



SICURO

Automation
system for
up-and-over doors
with counterweights

Dítec BOX B

TECHNICAL SPECIFICATIONS

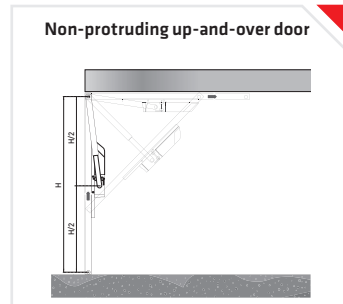
DESCRIPTION	BOX 3BH
Electromechanical actuator	for up-and-over doors with counterweights
Stroke control	virtual encoder + cam limit switch
Maximum capacity	7 m ² (1 motor) 12 m ² (2 motors in parallel)
Service class	frequent
Intermittent operation	S2 = 40 min S3 = 60% (T = 25°C)
Cycles / hour*	49 (T = 25°C)
Continuous cycles**	50 (T = 25°C)
Power supply	100-120 Vca / 200-240 Vca (by switch) - 50/60 Hz
Motor power supply	24 Vdc
Power input	8 A
Torque	265 Nm (single motor) 325 Nm (double motor)
Opening time	12÷50 s
Release system for manual opening	lever / key
Operating temperature	-20°C ÷ +55°C
Protection rating	IP 40
Product dimensions (mm)	654x108x116
Weight (kg)	11,4
Control panel	LCU55 (built-in)

* Approximate cycles considering a time for opening (22 sec), closing (22 sec), and pause times of 15 sec after opening and after closing. Complete cycle time of 74 sec

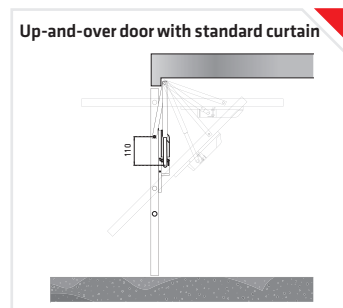
** Approximate cycles considering the time required for opening (22 sec), closing (22 sec) and pause times of 1 sec after opening and after closing. Complete cycle time of 46 sec

MAIN FUNCTIONS OF THE SYSTEM

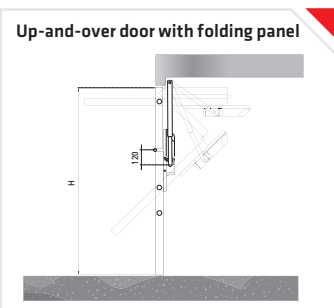
GENERAL DATA	
Control panel	LCU55 built-in
Radio module	RCB100E (433.92 - 868.35 Mhz selectable)
Bluetooth®	built-in
Accessory power supply	24 Vdc / 0,5 A
Predisposizione finecorsa	■
Risparmio energetico	< 0,8 W con display e Bluetooth® attivo
Temperatura di funzionamento	-20°C ÷ +55°C in condizioni standard (-35°C ÷ +55°C con NIO attivato)
INPUTS	
Open control	shared with inching control, which can be selected from the display
Partial opening control	■
Close control	shared with emergency stop, which can be selected from the display
Stop control	■ or via radio
Inching control	■
Hold-to-run command	■
Automatic contact closing management	shared with partial opening control, which can be selected from the display
OUTPUTS	
24 Vdc number of configurable outputs	2
- Flashing light	24 Vdc
- Electrically operated lock	■
- Gate-open warning light (ON/OFF)	■
- Gate-open warning light with proportional blink rate	■
- Courtesy light	■



Non-protruding up-and-over door



Up-and-over door with standard curtain



Up-and-over door with folding panel

PROGRAMMABLE FUNCTIONS

Stroke control	virtual encoder
Configuration of programmable functions	display and navigation keys via App
Opening and closing thrust	■ adjustable
Speed	■ adjustable
Soft Start / Soft Stop	■ adjustable
Automatic re-closing time	■ adjustable
Pre-flashing time in opening and closing	■ adjustable
Integrated datalogging (counter and recent alarm history)	■
Monitoring the level of automation efficiency	■
FW update	■ via SW FlashIT and USBPROG or via App

SAFETY AND PROTECTION FUNCTIONS

Emergency stop	■
Safe closing (inversion)	■
Automatic force adjustment during movement	■
D-ODS Dynamic Obstacle Detection system (automatic adjustment of the thresholds to reduce the possibility of false obstacle detection)	■
Execution methods for force detection tests in accordance with EN 13241-1	■

ACCESSORIES

Emergency release	■ with BOXSBC
8.2 KΩ-resistance safety edge	■ with COPAV
Magnetic loop detector	■ with LAB9