



EASY TO
INSTALL



VERSATILE



KITS READY FOR USE

Automation for
counter-balanced
industrial sectional
doors

Ditec **DOD**

Ditec DOD

Ditec DOD and automation for counter-balanced industrial sectional doors. Fitted on the drive shaft or driven by chain and pinion, **Ditec DOD** was designed to adapt to any new or existing installation. 230 Vac 3 A gear motor for intensive use. Available also with hold-to-run kit or single-phase kit complete with control panel and pre-wired control panel.

small, compact

size also makes it ideal for limited spaces

universal:

fits onto shafts with standard diameter $\varnothing 25.4$ mm (1")

retention bracket

with adjustment slots to facilitate wall mounting

rotary limit switches

for opening, closing and additional contact

self-protected motor

with thermal probe and incorporated electric brake and limit switch

manual re-opening device featuring chain

DITEC LCA85 CONTROL PANEL get the best from your Ditec DOD

- ✔ **Wizard WZ**, for fast and easy configuration: choose the operating logic (with or without slowdown), the opening direction, elect the automatic closing option, save up to 200 remote-control units in the memory, and you're ready to go!
- ✔ **more expert users can customise more than 100** parameters with the user-friendly menu, display and navigation buttons
- ✔ **advanced operation control**: peak, slowdown and acceleration during opening and closing, obstacle recognition, reverse operation or disengagement on obstacles
- ✔ **force adjustment**
- ✔ **adjustment of thrust sensitivity on obstacles**, both during operation and during approach in opening and closing
- ✔ **automatic ramp adjustment**: at low temperatures, the panel increases the peak time and decreases the acceleration time
- ✔ **energy saving** by absorbed current limitation of accessories in standby
- ✔ **built-in diagnostics** with counters and last alarms history
- ✔ **safety device tests**
- ✔ **2 inputs during opening and closing** for self-controlled resistive 8.2k Ω active edges
- ✔ **power supply outputs** for separate 24 Vac and 24 Vdc accessories
- ✔ **2 configurable 24 Vdc outputs** for accessories including courtesy lights, flashing light, open input and active output indicator light according to the automation status and type of use
- ✔ **heavy traffic function**: automatically increases the automatic reclosing time for consecutive opening requests
- ✔ **optimal adjustment of end of operation positions directly from the control panel**: having set the end of operation point by adjusting the rotary limit switches built into the motor, it is possible to configure a stop position beyond the limit switch directly from the control panel. This function limits the adjustment of the rotary limit switches on the motor if the springs lose tension

FULL COMPLIANCE WITH EUROPEAN DIRECTIVES AND STANDARDS

- ✔ **2014/30/EU - EMCD** - Electromagnetic Compatibility Directive
- ✔ **2014/53/EU - RED** - Radio equipment directive
- ✔ **2006/42/CE - Machinery Directive** - (Annex II-B; Annex II-A; Annex I-Chapter 1)





Hold-to-run kit DOD14PS

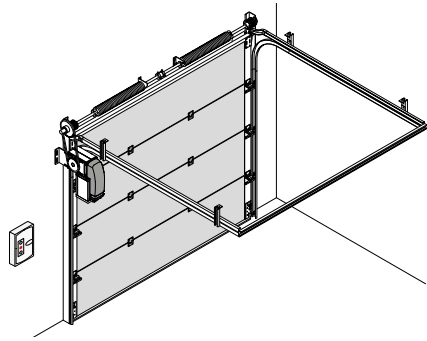
DOD14 actuator complete with pre-wired 3-position control selector and industrial CE 16A 250V 2P+T plug. Cable length: selector-motor power supply 10.3 m; industrial selector-plug 1.7 m



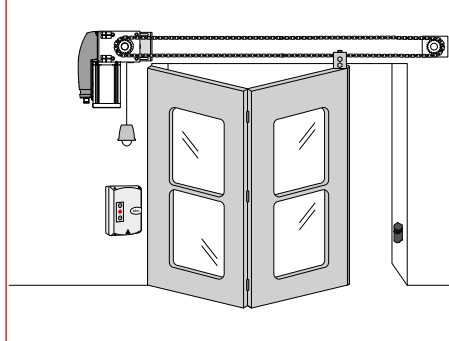
Kit with pre-wired control panel DODITDD1P

DOD14 pre-wired actuator with control panel and industrial CE 16A 250V 2P+T plug. LCA85B control panel complete with pre-mounted PT3 control panel. Optional receiver module ZENRS (433MHz) or ZENPRS (868MHz). Cable length: control panel-motor power supply 5.3 m; motor-control panel limit switch 5.3 m; control panel-industrial plug 5.3 m

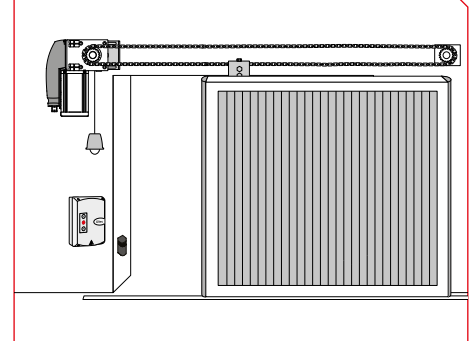
Industrial sectional door with chain transmission



Industrial folding door

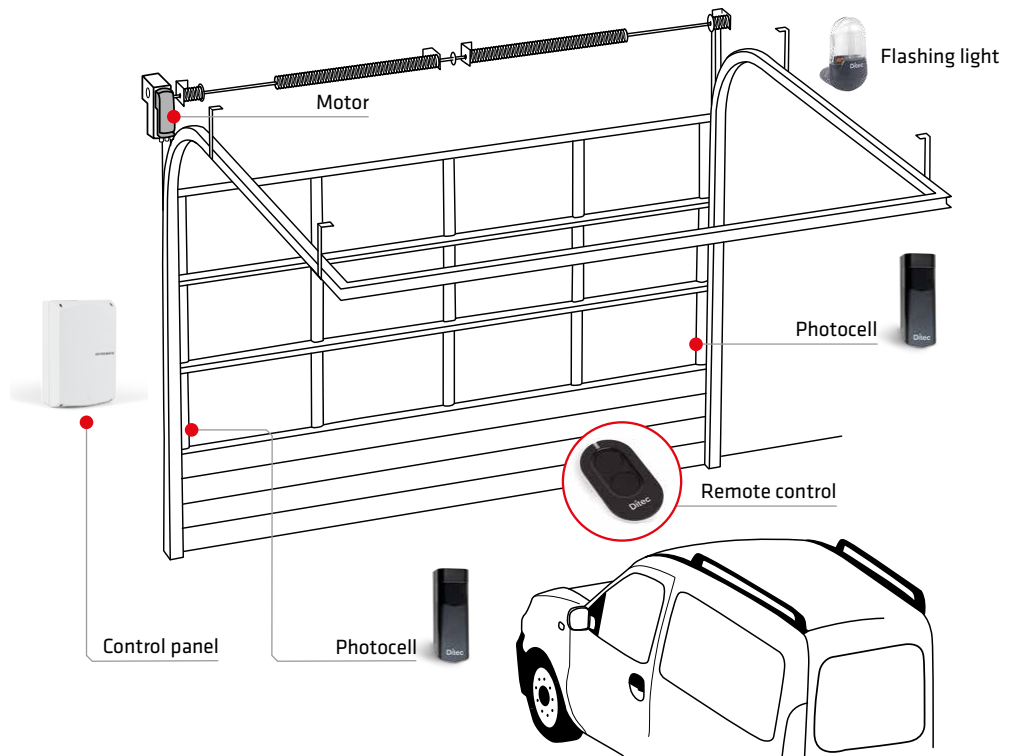


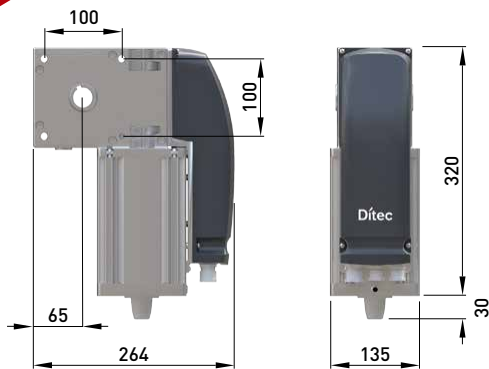
Sliding door



Example of installation

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of Ditec branded products on
www.ditecautomations.com





TECHNICAL SPECIFICATIONS

Description	DOD 14
Electomechanical actuator	for sectional doors
Stroke control	rotary limit switch
Service index	4 - intense
Intermittent operation	S2 = 30 min S3 = 50%
Power supply	230 Vac - 50/60 Hz
Power absorption	3 A
Torque / Thrust	60 Nm
Drive shaft rpm	22 RPM
Release system for manual opening	Rapid release Manual chain operation (optional) Manual flywheel operation (optional)
Operating temperature	-20°C ÷ +55°C (-35°C ÷ +55°C with NIO activated)
Protection rating	IP 40
Control panel	LCA85: 135x264x350 LCA85B: 238x357x120

MAIN PLANT FUNCTIONS

Description	LCA85 - LCA85B
Radio frequency	433.92 MHz with ZENRS or BIXR2 868.35 MHz with ZENPRS or BIXPR2
Interchangeable receiver module 433MHz/868MHz	■
Mains power supply	230 Vac - 50/60 Hz
Motor power supply	3 A
Accessories power supply 24 Vdc and 24 Vac	0.5 A max
Stroke control	virtual encoder and limit switch
Limit switch provision	■
Energy saving (GREEN mode)	energy saving in standby*
Operating temperature	-20°C ÷ +55°C in standard conditions (-35°C ÷ +55°C with NIO activated)
Panel protection rating	IP55
Open control	■
Partial opening control	■
Close control	■
Stop command	■
Step-by-step control	■
Hold-to-run control selectable from the display	■
Hold-to-run control only on closing. Automatic opening	■
Automatic closing contact control	■
Safety edge with 8.2kΩ resistance	■ during opening and closing
Flashing light	230 Vac 25 W max

* Absorbed current limitation of accessories in standby

Description	LCA85 - LCA85B
Number of 24 Vdc configurable outputs	2
- gate-open warning light (ON/OFF)	■
- gate-open warning light with proportional flashing light	■
- courtesy light	■
- 24 Vdc LED flashing light	■
- status indicator light for stop, safety devices, maintenance alarm	■
Programmable function configuration	display and navigation buttons
Force adjustment	■ (electronic)
Thrust on obstacles	adjustable
Braking/slowing	■
Approach space before limit switch	adjustable
Automatic reclosing time	adjustable
Heavy traffic control	■
Built-in datalogging (counters and last alarms history)	viewable on the display
FW updating	via Amigo and USBPROG
Emergency stop during opening (emergency stop)	■
Safe closing (reverse)	■
Safety test function (for automatic safety devices)	■
ODS - Obstacle Detection System (causes a stop or a reverse operation if an obstacle is detected)	■
NIO - Antifreeze system	■
Magnetic loop detector	■ with LAB9 accessory

SPECIFIC ACCESSORIES

▶ **24 Vdc / 24 Vac photocells**

- ▶ Integrated aesthetically with other control devices
- ▶ Reduced size with adjustable card
- ▶ Industrial, IP55

▶ **Opening devices**

- ▶ Device for manual opening by rod
- ▶ Manual operation rod H = 3 m
- ▶ Device for manual opening with chain

▶ **Transmission kit**

- ▶ Chain transmission and drive shaft with pinion Z24
- ▶ 1/2" x 5/16" chain (5 m sections) and coupling

▶ **Radio active safety edges**

Transmission system via radio 868 MHz of safety signals for active safety edges

▶ **Clip-on inductive magnetic loop detector for passage control**



Cert. no. 0957/6

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