

DICTAMAT OpenDo

For sliding doors up to 80 kg



Video



Website

CHARACTERISTICS

- Compact door operator for single and double-leaf sliding doors of a maximum width of 1600 mm. (including rail)
- The complete kit includes the rail
- Ideal for offices, surgeries, nursing homes, apartments for disabled persons, etc.
- The control system as well as the transformer are installed into a standard surface or flush-fitting switch box
- Also suitable for use on glass doors
- High safety due to the force reversal system controlled by a microprocessor

OVERVIEW

- **Door width** (max. incl. rail): single-leaf doors: 1600 mm; double-leaf doors: 1058 mm per leaf
- **Door thickness:** wood: 19 - 48 mm, glass 10 mm (upon request also 12 mm)
- **Door weight:** max. 80 kg, for double-leaf doors max. 40 kg per leaf
- **Position recognition:** position memory by teach-in travel
- **Basic functions:** OPEN, CLOSE (by impulse or automatically by means of an automatic closing device), reversing when obstacles are detected
- **Operation:** standard: push-button or push-and-go; options: Radio, radar



TECHNICAL DATA

Door width	standard version for single-leaf doors: 675 mm to 1600 mm standard version for double-leaf doors, per leaf 675 mm to 1058 mm; both door leaves must have the same dimensions!
Door weight	single-leaf doors: max. 80 kg double-leaf doors: max. 40 kg/leaf
Door thickness	timber: 19 - 48 mm, glass 10 or 12 mm
Speed	max. 0.25 m/s; adjustable, depends on door weight: 80 kg => max. 0.2 m/s; 60 kg => max. 0.23 m/s; 40 kg => max. 0.25 m/s
Hold-open time	adjustable between 5 and 30 seconds
Rated input voltage	100 to 240 VAC, 50 to 60 Hz
Motor rating	50 W
Safety	microprocessor controlled switch-off in case of obstacles
IP rating	IP 55
Operating temperature	-20° to +50 °C
Operational life	min. 400,000 cycles
Max. number of operations	up to 50 operations per hour

INSTALLATION



Technical manual

FUNCTIONS

The DICTAMAT OpenDo offers many different functions. They are adjusted in the control system by means of DIP switches.

You have to take into consideration that the functions may be different in continuous pressure operation and in impulse operation (see table below).

- Continuous pressure operation: Door moves only when the corresponding key is pressed.
- Impulse operation: Door opens / closes after shortly having pressed the switch-key. Opening and closing the door via remote control or motion detector is only possible if the impulse operation is adjusted.

Basic operation mode	Continuous pressure	Impulse operation
OPEN	only per switch-key	<ul style="list-style-type: none"> ■ per switch-key (standard) ■ push-and-go (pushing the door shortly by hand activates the door operator which will automatically open the door) ■ radar or remote control
CLOSE	only per switch-key	<ul style="list-style-type: none"> ■ per switch-key (standard) ■ automatic closing (door closes automatically after an adjustable time) ■ radar or remote control
Safety (detection of obstacles) in opening and closing direction	Stop	<ul style="list-style-type: none"> ■ reversing (door stops and then moves in the opposite direction) ■ Stop: only possible, when no automatic closing has been adjusted
Door permanently open	Door remains open until the next CLOSE command.	<ul style="list-style-type: none"> ■ possible by key combination also in case of an adjusted automatic closing
Moving door with a power cut	Can be moved by hand with little effort.	

COMPONENTS

a) For wooden doors

- Door operator with bracket and washers
- Power transformer 230 VAC/24 VDC for installation in flush-fitting or surface switch box (where required, together with the control system)
- Control system with key OPEN/CLOSE for installation in flush-fitting or surface switch box (provided on site)
- Idler pulley

	Standard version for single-leaf timber doors of up to 1600 mm width	Standard version for double-leaf timber doors of up to 1058 mm width/leaf
Door actuators	1	2
Toothed belt	4100 mm	8100 mm
Aluminium rail	2 m	2 x 2 m
Brackets in aluminium for fixing to the wall	4	4
Wheel hangers (hangers with slide bearings) with fixing brackets for screwing to the door	2	4
Floor guides	1	2
Final stopping devices for fitting into the rail	2	3

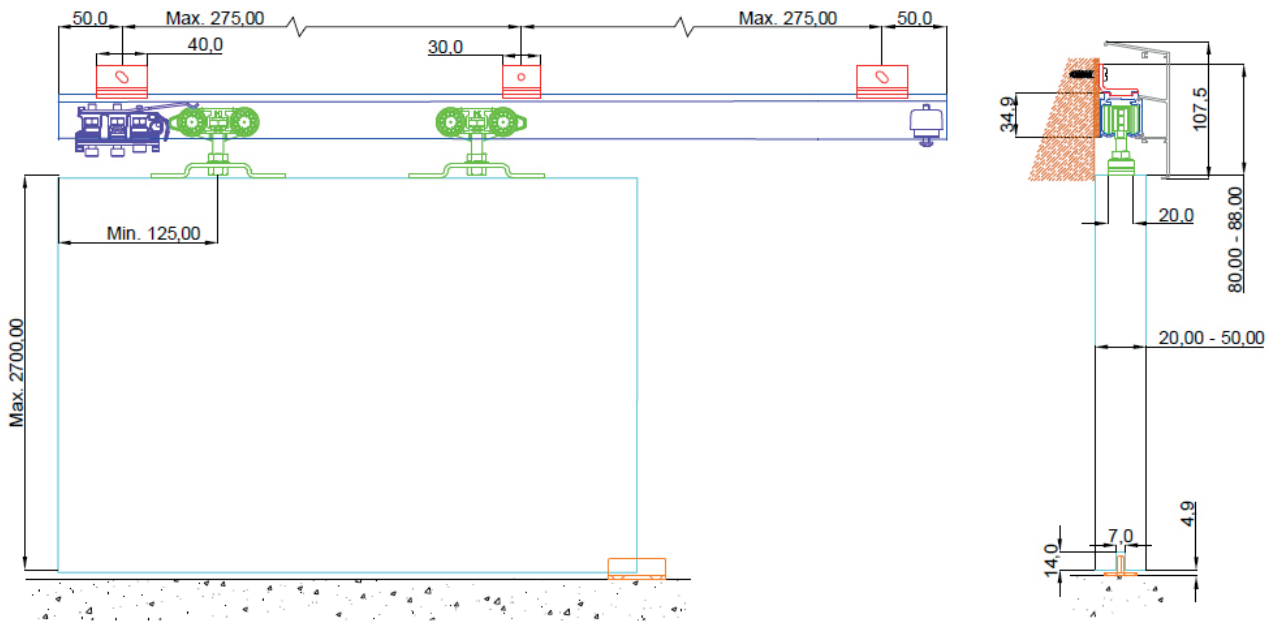
b) For glass doors

On glass doors the door actuator(s) and the wheel hangers are fixed by gripping jaws instead of being screwed on. Also the floor guide is different. All other components are the same.

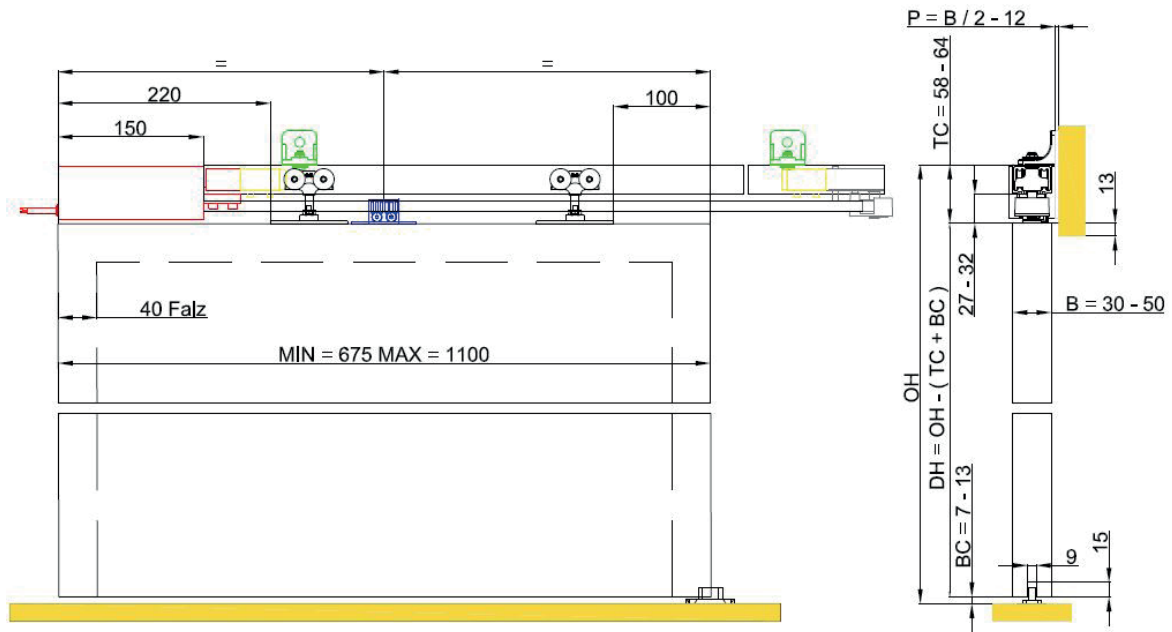
DIMENSIONS

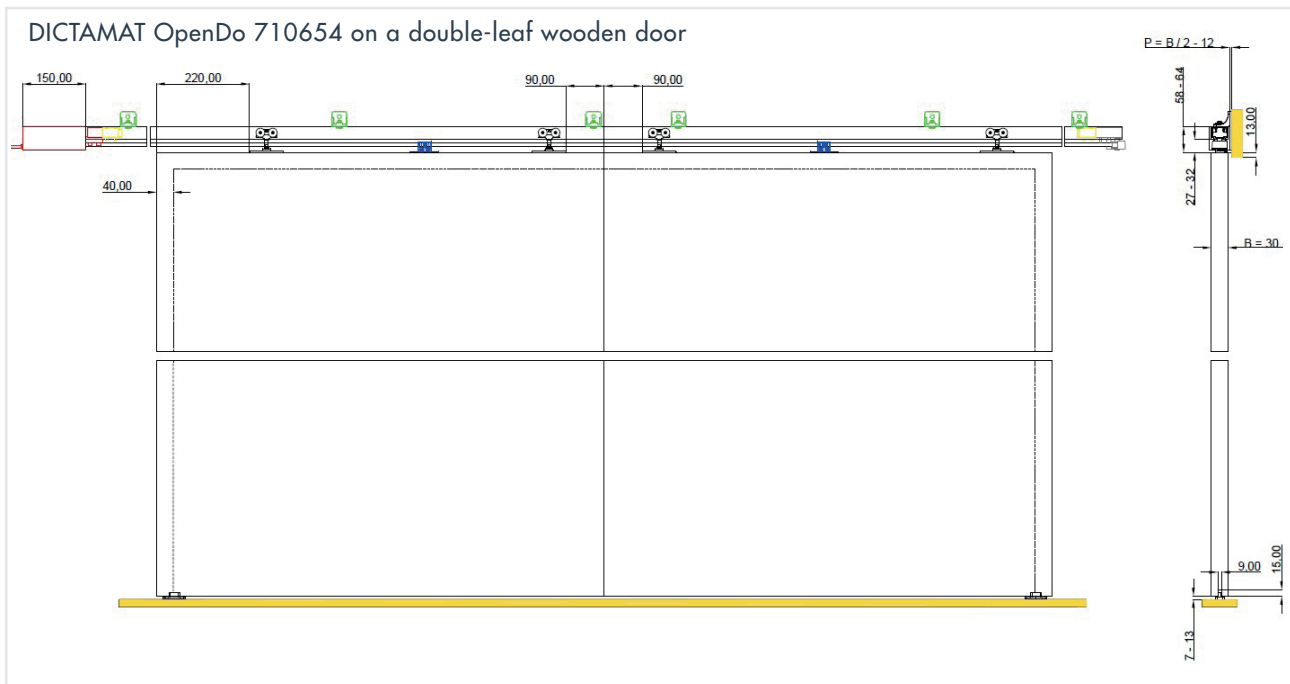
All dimensions in mm

DICTAMAT OpenDo 710650 on a single-leaf wooden door



DICTAMAT OpenDo 710651 on a single-leaf wooden door





ACCESSORIES

Version for heavy use	For heavy use we recommend the DICTAMAT OpenDo with wheel hangers in AISI 316 with ball bearings. They reduce friction considerably and the moving door produces much less noise.
Remote control	In case the DICTAMAT OpenDo shall be operated by remote control, you need a transmitter and a receiver. This can be installed, e.g. together with the second switch key in a flush-fitting switch box.
Motion detector	Also a motion detector can trigger the OPEN command. This motion detector can be connected directly to the control system, without needing further components.
Cover for the rail	Depending on how the rail is fixed and on how thick is the door leaf different covers for the rail are available. They are simply clipped on the rail. Versions <ul style="list-style-type: none"> ■ FI40: when the rail is fixed to the wall (wall fitting) ■ FI34: when fixed to the ceiling (soffit fix), max. thickness of the door leaf 50 mm ■ FI38: when fixed to the ceiling (soffit fix), max. thickness of the door leaf 28 mm The covers are supplied in 2000 mm pieces which have to be cut to length on site.

ORDER INFORMATION

Description	Part no.
DICTAMAT OpenDo sliding door operator for one-leaf wooden doors up to 1100 mm width, with aluminium rail and hangers with slide bearings, length of the rail 2000 mm	710650
DICTAMAT OpenDo sliding door operator for one-leaf wooden doors up to 1100 mm width, with aluminium rail and AISI 316 hangers with ball bearings, length of the rail 2000 mm	710651
DICTAMAT OpenDo sliding door operator for one-leaf glass doors (10 mm thick) up to 1100 mm width, with aluminium rail and hangers with slide bearings, length of the rail 2000 mm	710652
DICTAMAT OpenDo sliding door operator for one-leaf wooden doors up to 1600 mm width, with aluminium rail and hangers with slide bearings. length of the rail 3000 mm	710653
DICTAMAT OpenDo sliding door operator for wooden doors with two leaves up to 1058 mm width per leaf, with aluminium rail and AISI 316 hangers with ball bearings. length of the rail 2 x 2000 mm	710654

ACCESSORIES

Description	Part no.
Remote control kit, including a wireless receiver control panel and a single channel remote control for the sliding door operator DICTAMAT OpenDo	710660
Remote control OPEN/CLOSE for sliding door operator DICTAMAT OpenDo	710661
Large surface switch, flush mounting, stainless steel look	700194
Large surface switch, non-contact, flush mounting	700188