Evolve

Automated sliding system for wooden, metal or glass doors weighing up to 80kg

Evolve offers a smooth and reliable automated sliding system - an ideal solution for mobility access or a light commercial application.

Evolve is available in kit pack format for wood, metal or glass doors used in single or bi-parting applications. The kit includes wall mounted control panels to allow the doors to be opened by the push of a button, alternatively a remote control or motion sensor can be purchased as an optional extra.

KIT PACK **AUTOMATED** **Max. 80kg** **INTERNAL**

Product Specification

Product Code	No. of Doors	Door Material	Track Length	Door/Glass Thickness Range	Door Width Range	Max. Door Weight
E80/20	1	Wood/Metal	2000mm	30 - 50mm	675 - 1100mm	80kg
E80/30			3000mm		675 - 1600mm	
10/E80/20		Glass	2000mm	10mm	760 - 1100mm	
10/E80/30			3000mm		760 - 1600mm	
12/E80/20			2000mm	12mm	760 - 1100mm	
12/E80/30			3000mm		760 - 1600mm	
ESIM80/40	2 Bi-Parting	Wood/Metal	4000mm (2 x 2000mm)	30 - 50mm	675 - 1058mm	40kg (per door)
10/E80SIM/40		Glass		10mm	760 - 1058mm	
12/E80SIM/40				12mm	760 - 1058mm	

Kit Contents

Component	Product Code
Track	120/****
Hangers or Glass Clamps	51/120/SS or Glass Clamps
Floor Guide	101SS or 8-12/SN
Track Stops	HH4/AN
Toothed Belt	-
Belt Clamp	-
Tensions Wheel	-
Face Fixed Brackets	-
Motor (1.5m cable length)	-
24V Transformer	-
Wall Mounted Control Panels	-

**** Replace with length of track for full product code
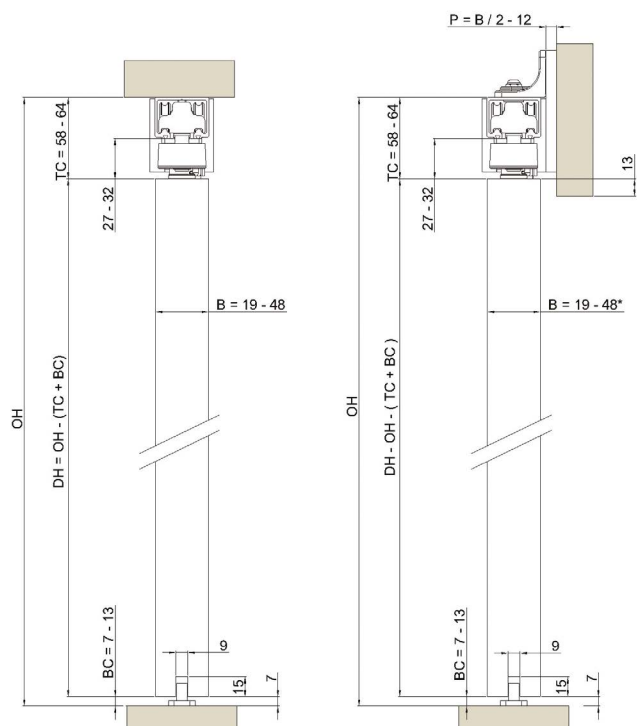
Optional Accessories

Component	Product Code
Remote Control Kit	(E2/RCK)
Radar Motion Sensor	(ER/*)

*Available in black (ER/B), white (ER/W) or aluminium (ER/S)
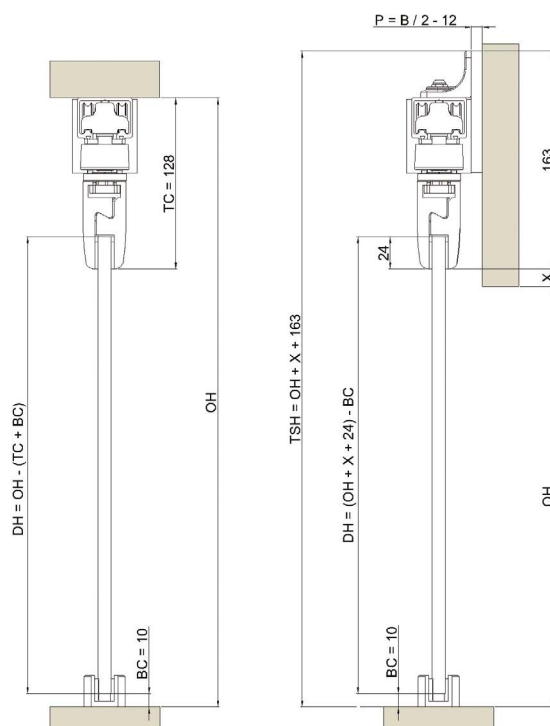
Drive Unit Specification

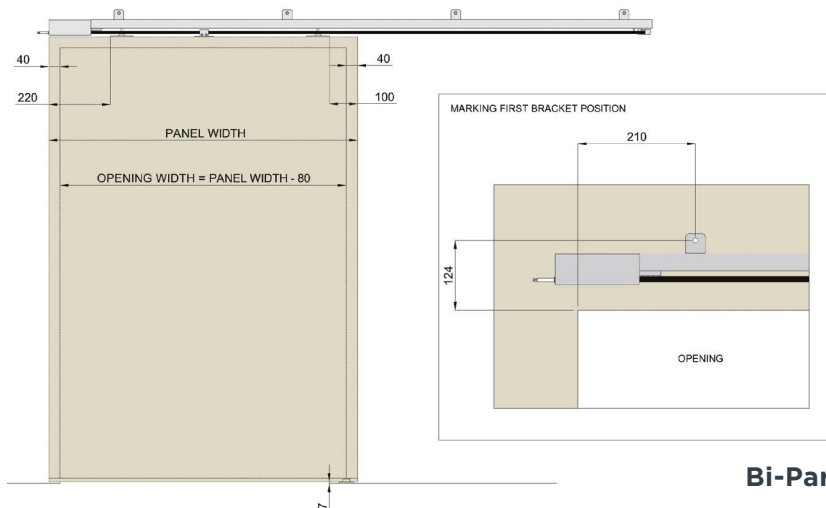| Specification	Detail
Operation Voltage:	24V safety - low voltage via external power unit
Maximum Operating Speed (door weight dependent)	Up to 80kg - 20cm/s max speed Up to 60kg - 23cm/s max. speed Up to 40kg - 26cm/s max. speed
Running Performance:	Soft start and stop
Safety Function:	Includes obstacle detection in both directions
Configurable Options:	Push and go, closing speed, auto closing delay timer can all be configured to user preference

Wooden or Metal Door Application

$P = B / 2 - 12$

$TC = 58 - 64$

$27 - 32$

$B = 19 - 48$

OH

$DH = OH - (TC + BC)$

$BC = 7 - 13$

9

15

7

$P = B / 2 - 12$

$TC = 58 - 64$

$27 - 32$

$B = 19 - 48*$

OH

$DH = OH - (TC + BC)$

$BC = 7 - 13$

9

15

7

13

For metal doors, suitable fixings must be used.

Glass Door Application

$P = B / 2 - 12$

$TC = 128$

OH

$DH = OH - (TC + BC)$

$BC = 10$

$P = B / 2 - 12$

163

24

X

$TSH = OH + X + 163$

$DH = (OH + X + 24) - BC$

OH

$BC = 10$

Single Door Application

40

40

220

100

PANEL WIDTH

OPENING WIDTH = PANEL WIDTH - 80

7

MARKING FIRST BRACKET POSITION

210

124

OPENING

Bi-Parting Door Application

150

4000

180

TRACK OFFSET = 75

50

50

50

40

PANEL WIDTH

OPENING WIDTH = (PANEL WIDTH x 2) - 80