



*Design in motion*

August 2014

## Evolve

Automated Door Hardware  
Systems for Sliding Doors

HENDERSON

# EVOLVE



## At PC Henderson, we're not just transforming the way you think about automated sliding door solutions - we're evolving it

As specialists in the design and manufacture of sliding and folding door hardware systems, we've created Evolve. It's a recently launched range of exceptionally convenient and highly sophisticated automatic systems that will help you make the most of our Husky range of sliding door equipment in any domestic or light commercial environment.

### The perfect enhancement for any sliding door application

With three systems available - the Evolve 60, Evolve 80 and Evolve 80 SIM kit - they can deliver automation to pocket, single and double sliding doors weighing up to 80kg. Doors can be of wooden construction (flush, panelled or glazed) or toughened glass construction.

Evolve is perfect for a huge range of applications from enhancing a luxury property to providing entrance solutions for those with mobility problems. The system is also complemented by a choice of hardwired and wireless control options.

## Key Evolve features:

- **Designed to fit in** - Evolve can be installed seamlessly into any environment - even retrospectively and is automated by a quiet and non-intrusive motor.
- **Easy to use** - All units are supplied with two remote control units (single channel). There are, however, optional extras available for even more convenience. Please see below.
- **Safe to operate** - A low operating voltage and sensitive obstacle detection system means Evolve is safe in any application.
- **Simple to install and maintain** - Each Evolve system is simple to install, commission and program and because they have a long service life, maintenance is easy and hassle-free.
- **Built for safety** - With an innovative decoupling option allowing manual operation of the door in the event of power failures, Evolve systems offer a high level of security, and complete peace of mind.

## OPTIONAL EXTRAS

Upgrade your Evolve system with your choice of high quality accessories.



### Rocker Switch

Wall-mounted switch for one touch control. Switch and surface frame supplied as separate items.

Order codes:

Switch

**Aluminium ES/AF**

**White ES/WF**

Surface Frame

**White ES/WB**



### 4 Channel Transmitter

A 4 channel remote control that can be used with more than one unit.

Order code:

**RS/4**



### Microwave Motion Detector

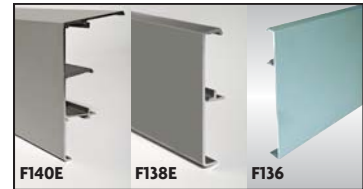
Hardwired radar motion detector with a maximum field width of 4.8 meters and a maximum installation height of 4 meters. Ideal for openings with moderate to high levels of traffic.

Order codes:

**Black ER/B**

**White ER/W**

**Aluminium ER/S**



### Soffix and Face Fixed Fascias\*

A range of aluminium fascias for the perfect finish. Available in lengths of 1.5m, 1.8m, 2m, 2.5m and 3m lengths.

Order codes:

Soffit Fix

**F138E** (Evolve 80)

**F138SIM** (Evolve 80SIM)

Face Fix

**F140E** (Evolve 80)

**F140SIM** (Evolve 80SIM)

Soffit or Face Fix

**F136** (Glass doors only)

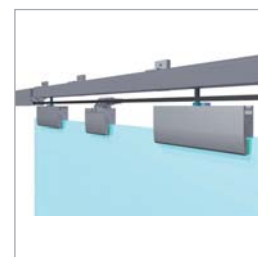
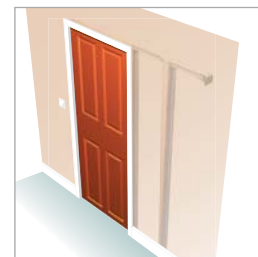
\*Not available for the Evolve 60 kit

# EVOLVE 60 for pocket doors

GLASS

WOOD

60kg



With Evolve 60, sliding doors can be completely concealed within the wall cavity, making it ideally suited to applications where space is at a premium, such as toilets, bathrooms and kitchens. The supplied kit comes complete with all hardware and automated components.

## HARDWARE KIT

Contents:

- Aluminium Track and Header
- Galvanised Steel Wrapped Studs
- Stud Brackets
- Hangers (Wood doors) or Clamps (Glass doors)
- Adjustable Floor Guide
- Clip Stop
- Rubber Buffer
- Single Channel Remote Control Unit (pack of 2)

## AUTOMATED KIT

Contents:

- Drive Unit
- Tension Wheel
- Drive Belt
- Clutch\*
- Power Unit
- Manual Transmitter

\*This is mounted midpoint between the two load bearing hangers/clamps.

## DRIVE UNIT SPECIFICATION

Drive Rating:	50W
Operation Voltage:	24V safety-low voltage via external power unit. Protection Class IP55
Maximum Operating Speed:	Approximately 0.3m/sec, variable
Running Performance:	Soft start/stop, which is adjustable
Safety Functions:	Obstacle detection in both directions and can be manually decoupled from clutch base (positioned in top of the door)
Closing Option:	Automated closing (adjustable to timed intervals)

To upgrade your system, please see Optional Extras.

Order Code	Door Type	Maximum Door Size	Maximum Door Weight
EP3/**	Wood	1981 x 762 x 44mm	60kg
EP4/**	Wood	1981 x 838 x 44mm	60kg
EP5/**	Wood	2040 x 762 x 44mm	60kg
EP6/**	Wood	2040 x 826 x 44mm	60kg
EP10/**	Wood	2315 x 930 x 44mm	60kg
10/EP10/**	Glass	2270 x 930 x 10mm	60kg
12/EP10/**	Glass	2270 x 930 x 12mm	60kg

Please substitute \*\* with EU or UK depending on power supply.

# EVOLVE 80 for single doors

GLASS

WOOD

80kg



Evolve 80 offers a standard 2 metre kit, which can be used for a wide variety of openings and applications. The supplied kit comes complete with all hardware and automated components.

## HARDWARE KIT

Contents:

- Aluminium Track
- Hangers (Wood doors) or Clamps (Glass doors)
- Floor Guide
- Track Stop
- Track Spacers
- Brackets
- Single Channel Remote Control Unit (pack of 2)

## AUTOMATED KIT

Contents:

- Drive Unit
- Tension Wheel
- Drive Belt
- Clutch\*
- Power Unit
- Manual Transmitter

\*This is mounted midpoint between the two load bearing hangers/clamps.

## DRIVE UNIT SPECIFICATION

Drive Rating:	50W
Operation Voltage:	24V safety-low voltage via external power unit. Protection Class IP55
Maximum Operating Speed:	Approximately 0.3m/sec, variable
Running Performance:	Soft start/stop, which is adjustable
Safety Functions:	Obstacle detection in both directions and can be manually decoupled from clutch base (positioned in top of the door)
Closing Option:	Automated closing (adjustable to timed intervals)

To upgrade your system, please see Optional Extras.

Order Code	Door Type	Maximum Door Size	Maximum Door Weight
E80/20**	Wood	2700 x 1100 x 55mm	80kg
10/E80/20**	Glass	2400 x 1100 x 10mm	80kg
12/E80/20**	Glass	2400 x 1100 x 12mm	80kg

Please substitute \*\* with EU or UK depending on power supply.

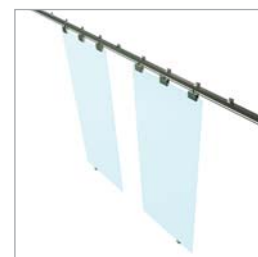
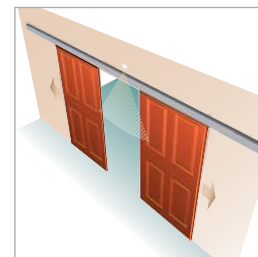


# EVOLVE 80 Sim for bi-parting doors

GLASS

WOOD

40kg  
per door



Our Evolve 80 Sim Kit is perfect for automated and synchronised opening of double sliding doors, and is ideal for larger openings, doorways and room divisions. The supplied kit comes complete with all hardware and automated components.

## HARDWARE KIT

Contents:

- Aluminium Track
- Hangers (Wood doors) or Clamps (Glass doors)
- Floor Guide
- Track Stop
- Track Spacers
- Brackets
- Clip Stop
- Pulley Cable
- Cable Fixing Brackets
- Single Channel Remote Control Unit (pack of 2)

## AUTOMATED KIT

Contents:

- Drive Unit
- Tension Wheel
- Drive Belt
- Clutch\*
- Power Unit
- Manual Transmitter

\*This is mounted midpoint between the two load bearing hangers/clamps.

## DRIVE UNIT SPECIFICATION

Drive Rating:	50W
Operation Voltage:	24V safety-low voltage via external power unit. Protection Class IP55
Maximum Operating Speed:	Approximately 0.3m/sec, variable
Running Performance:	Soft start/stop, which is adjustable
Safety Functions:	Obstacle detection in both directions and can be manually decoupled from clutch base (positioned in top of the door)
Closing Option:	Automated closing (adjustable to timed intervals)

To upgrade your system, please see Optional Extras.

Order Code	Door Type	Maximum Door Size	Maximum Door Weight
ESIM40/**	Wood	2700 X 1100 x 50mm	40kg
10/ESIM/40**	Glass	2200 x 900 x 10mm	40kg
12/ESIM/40**	Glass	2200 x 700 x 12mm	40kg

Please substitute \*\* with EU or UK depending on power supply.

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