

**Easy.  
Easier.  
Mhouse.**

**Price list 2010**



**The revolutionary system  
for automating your home  
in an incredibly quick  
and easy way.  
Now even with  
solar energy supply.**

**mhouse**  
the house in a click  
4

## Mhouse self fit Kit: everything's easy, everything's included!



**Mhouse has developed a leading-edge range of products combining a complete set of functions, ease of installation and use, and expandability towards home automation applications. Find out more about this revolutionary self fit kit system for automating gates, garage doors, awnings and rolling shutters in an incredibly quick and easy way.**

### **Only two wires!**

This innovative Mhouse system, called ECSBus, enables the connection of all the photo security devices using only two wires.

To reduce the chance of errors even further, ECSBus is polarity free, so that it is impossible to mistake the order of the connections.

The exclusive technology developed by Mhouse makes wiring much easier by drastically reducing the number of wires to be laid, and allows you to upgrade or expand the installation at any time and any point by simply connecting two additional wires.

### **Quick, foolproof connections.**

With the removable terminals, colour coded and silkscreened for clearer identification.

### **Maximum safety.**

Ensured by the low voltage connections and the automatic obstacle detection feature.

### **Ready for the future.**

Mhouse's ECSBus System is compatible with the most commonly used standards in the domotics field.

## Choosing the right system.



### **New MhouseKit PF**

Innovative solar power kit for swing gate automations.  
**page 4**

### **Swing gates**

Kit for the automation of a one- or two-leaves gate.  
**pages 6-11**

### **Sliding gates**

Kit for automation of a sliding gate.  
**pages 12-13**

### **Garage doors**

Kit for automation of a residential sectional garage door or an up-and-over garage door with springs or counterweights.  
**pages 14-15**



### **Rolling shutters, sun screens and awnings**

Kit for automation of a rolling shutter, awning or sun screen, also via radio.  
**pages 16-17**

### **RT3**

The easy to install kit to control any unset rolling shutters.  
**page 18**

### **RC2**

Radio control system for lighting, irrigation and burglar plants.  
**pages 19**

### **Accessories**

Maximum safety and comfort with the Mhouse series of accessories.  
**pages 20-21**

# Solar power: wireless energy.



## PF

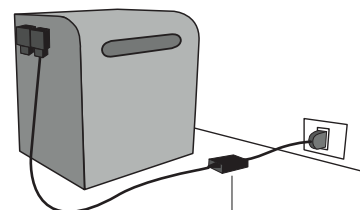
Solar power kit for gate automations.  
Compatible with WT1 and WT2 kits.

€ 406,50



### Each kit contains:

- 1 PC** Photovoltaic solar panel 10 W.
- 1 PB** Box for 24 V 20 Ah battery, with carry handle.



**PBC**  
Battery charger power supply unit  
(optional)



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mh  
house  
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# MhouseKit for swing gates: fast and ultra-compact, even in the presence of small columns.

Ready  
for solar  
power

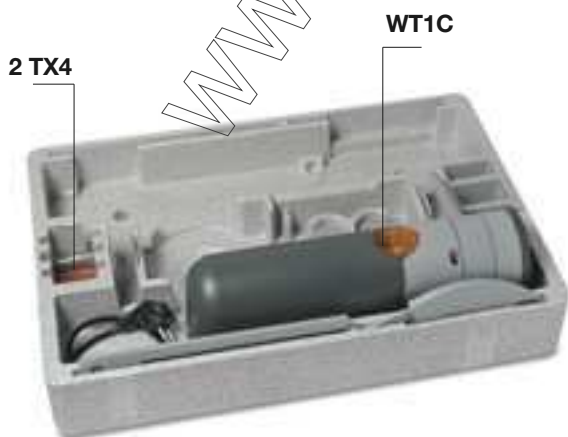
New  
2009



## WT1/02

Kit for automating a pedestrian gate up to 1.6 m in width or 180 kg weight. Especially suitable for wood or PVC gates. Compatible with MhouseKit PF.

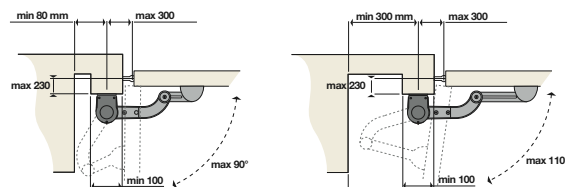
€ 368,00



### Each kit contains:

- 1 WT1C** Electromechanical gear motor with integrated control unit and 433.92 MHz variable code receiver.
- 2 TX4** 4 button variable code transmitters.

*Brackets and bolts included*



MhouseKit for swing gates: installable anywhere, even far from the power mains.

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New!

New  
2009

Ready  
for solar  
power

## WT2

Kit for automation of a two-leaf residential gate with each leaf up to 1.6 m in width or 180 kg weight. Especially suitable for wood or PVC gates. Compatible with MhouseKit PF.

€ 574,00



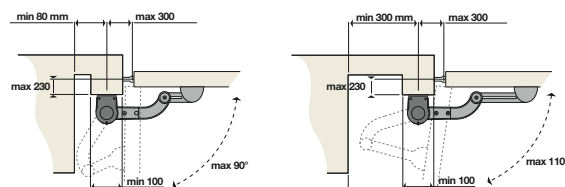
ECS  
Bus



### Each kit contains:

- 1 WT1C** Electromechanical gear motor with integrated control unit and 433.92 MHz variable code receiver.
- 1 WT1KIT** Electromechanical gear motor without control unit.
- 2 TX4** 4 button variable code transmitters.
- 1 PH1** Pair of wall-mounted autosynchronized photocells.
- 1 KS1** Key-operated selector switch.
- 1 FL1** Adjustable flashing light, with built-in aerial.

### Brackets and bolts included

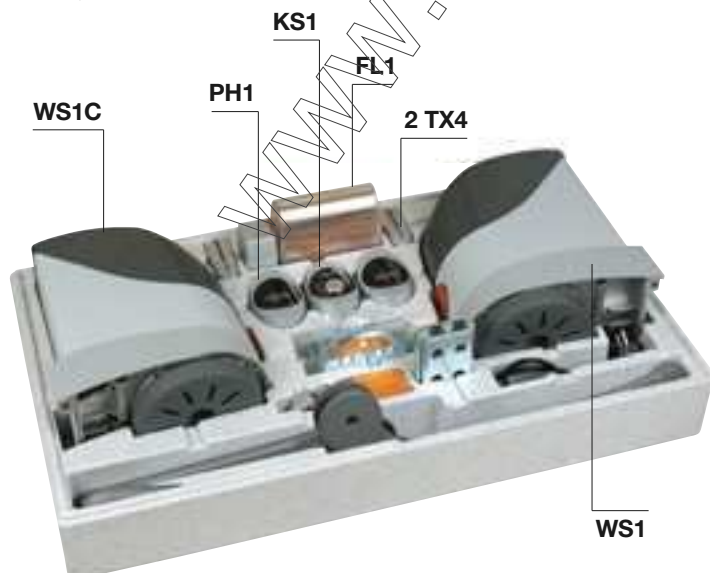




## WS2

Kit for automation of a residential two-leaf gate, each leaf measuring up to 2 m in width and weighing up to 200 kg. Especially suitable for wood or PVC gates.

€ 703,50



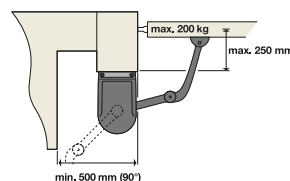
ECS  
Bus



### Each kit contains:

- 1 WS1C** Electromechanical gear motor with control unit with integrated 433.92 MHz variable code receiver
- 1 WS1** Electromechanical gear motor without control unit. (curved anti-shear arms included).
- 2 TX4** 4 button variable code transmitters.
- 1 PH1** Pair of wall-mounted autosynchronized photocells.
- 1 KS1** Key-operated selector switch.
- 1 FL1** Adjustable flashing light, with built-in aerial.

*Brackets and bolts included*





## WK2

Kit for automation of a residential two-leaf gate, each leaf measuring up to 1.8 m in width and weighing up to 200 kg. Especially suitable for wood or PVC gates.

€ 649,50



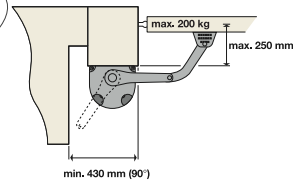
ECS Bus



### Each kit contains:

- 2 WK1** Electromechanical 24 Vdc gear motors. Foundation/mounting plate included (**2 WKA** curved anti-shear arms.).
- 1 CL2** External control unit with integrated 433.92 MHz variable code receiver.
- 2 TX4** 4 button variable code transmitters.
- 1 PH1** Pair of wall-mounted autosynchronized photocells.
- 1 KS1** Key-operated selector switch.
- 1 FL1** Adjustable flashing light, with built-in aerial.

Brackets and bolts included



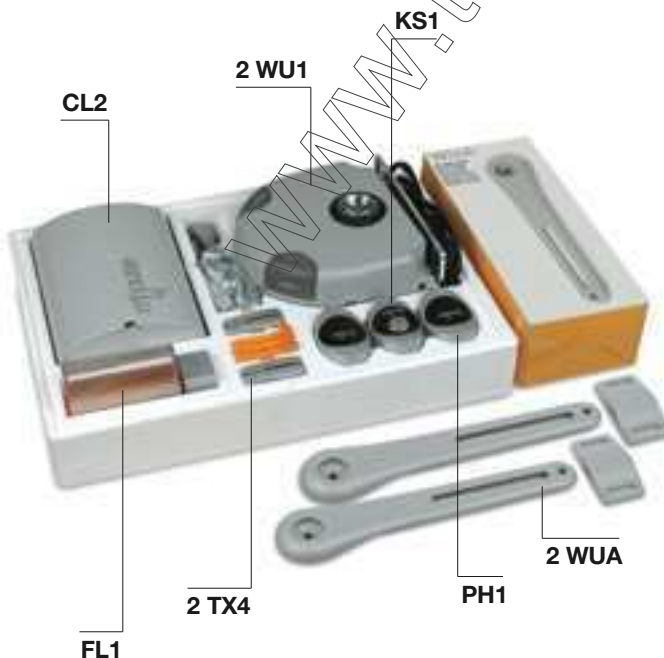
Swing



## WU2

Kit for automation of a residential two-leaf gate, each leaf measuring up to 1.8 m in width and weighing up to 200 kg.

€ 866,50



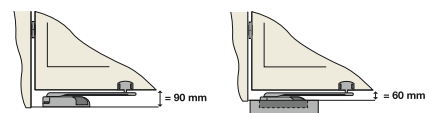
ECS Bus



### Each kit contains:

- 2 WU1** Electromechanical 24 Vdc gear motors. Mounting plate included (**2 WUA** Straight slotted arms).
- 1 CL2** External control unit with integrated 433.92 MHz variable code receiver.
- 2 TX4** 4 button variable code transmitters.
- 1 PH1** Pair of wall-mounted autosynchronized photocells.
- 1 KS1** Key-operated selector switch.
- 1 FL1** Adjustable flashing light, with built-in aerial.

Brackets and bolts included





## WG2

Kit for automation of a residential two-leaf gate, each leaf measuring up to 2 m in width and weighing up to 250 kg.

€ 595,50



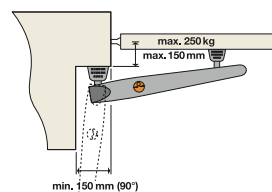
ECS  
Bus



### Each kit contains:

- 2 WG1** Electromechanical worm 24 Vdc gear motor with adjustable mounting brackets included.
- 1 CL2** External control unit with integrated 433.92 MHz variable code receiver.
- 2 TX4** 4 button variable code transmitters.
- 1 PH1** Pair of wall-mounted autosynchronized photocells.
- 1 KS1** Key-operated selector switch.
- 1 FL1** Adjustable flashing light, with built-in aerial.

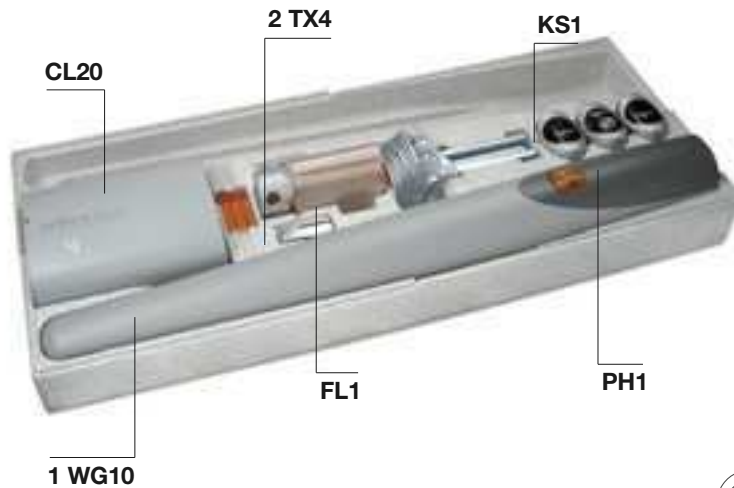
*Brackets and bolts included*



## WG10

Kit for the automation of a residential one-leaf gate measuring up to 4.5 m in width or weighing up to 450 kg.

€ 606,50



ECS  
Bus

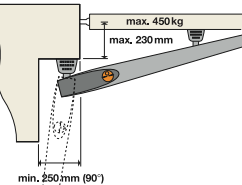


Swing

### Each kit contains:

- 1 WG10** Electromechanical worm 24 Vdc gear motor with adjustable mounting brackets included.
- 1 CL20** External control unit with integrated 433.92 MHz variable code receiver.
- 2 TX4** 4 button variable code transmitters.
- 1 PH1** Pair of wall-mounted autosynchronized photocells.
- 1 KS1** Key-operated selector switch.
- 1 FL1** Adjustable flashing light, with built-in aerial.

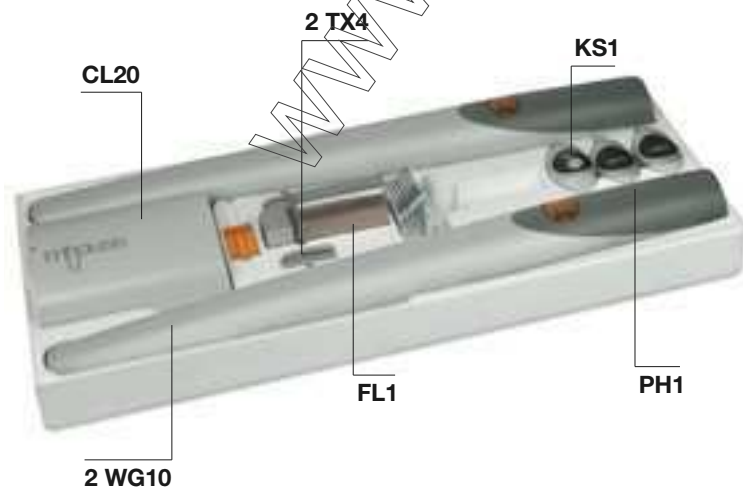
Brackets and bolts included



## WG20

Kit for the automation of a residential two-leaf gate, each leaf measuring up to 4.5 m in width or weighing up to 450 kg for leaf.

€ 812,00



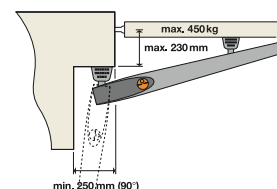
ECS  
Bus



### Each kit contains:

- 2 WG10** Electromechanical worm 24 Vdc gear motor with adjustable mounting brackets included.
- 1 CL20** External control unit with integrated 433.92 MHz variable code receiver.
- 2 TX4** 4 button variable code transmitters.
- 1 PH1** Pair of wall-mounted autosynchronized photocells.
- 1 KS1** Key-operated selector switch.
- 1 FL1** Adjustable flashing light, with built-in aerial.

Brackets and bolts included

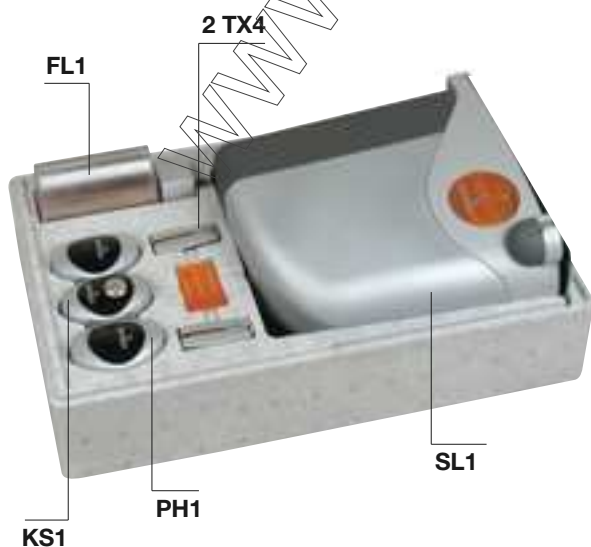




## SL1

Kit for automation of a residential sliding gate weighing up to 350 kg.

€ 433,00



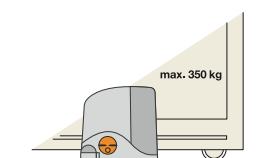
ECS  
Bus



### Each kit contains:

- 1 SL1** Electromechanical 24 Vdc gear motor with integrated control unit and 433.92 MHz variable code receiver. Mounting plate included.
- 2 TX4** 4 button variable code transmitters.
- 1 PH1** Pair of wall-mounted autosynchronized photocells.
- 1 KS1** Key-operated selector switch.
- 1 FL1** Adjustable flashing light, with built-in aerial.

*Brackets and bolts included*



# SL10

Kit for automation of a residential sliding gate weighing up to 500 kg.

€ 541,00



ECS  
Bus



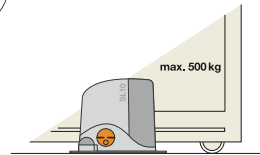
Sliding



### Each kit contains:

- 1 SL10** Electromechanical 24 Vdc gear motor with integrated control unit and 433.92 MHz variable code receiver. Mounting plate included.
- 2 TX4** 4 button variable code transmitters.
- 1 PH1** Pair of wall-mounted autosynchronized photocells.
- 1 KS1** Key-operated selector switch.
- 1 FL1** Adjustable flashing light, with built-in aerial.

*Brackets and bolts included*





## GDO Up to 9,8 m<sup>2</sup>

Kit for automation of a sectional door up to 3.7 m in width and up to 2.4 m high and up-and-over doors\* up to 3.5 m in width and up to 2.8 m high.

\* with GA1 accessory.

€ 303,00



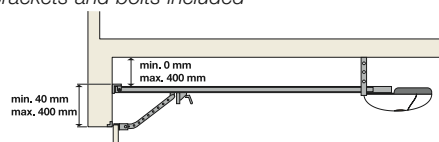
### Each kit contains:

- 1 GDO** Electromechanical 24 Vdc gear motor with integrated control unit and 433.92 MHz variable code receiver, belt drive on galvanized steel guide, emergency release device.
- 2 TX4** 4 button variable code transmitters.

### Compulsory accessori for counterbalanced up-and-over doors.

**\*GA1** Oscillating arm sliding on bearings.

Brackets and bolts included



## GD1 Up to 11,6 m<sup>2</sup>

Kit for automation of a residential sectional garage up to 4.4 m wide and up to 2.4 m high and up-and-over doors\* up to 4.2 m wide and up to 2.8 m high.

\* with GA1 accessory.

€ 357,00



ECS Bus

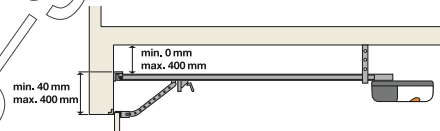
### Each kit contains:

- 1 GD1** Pre-assembled electromechanical 24 Vdc gear motor with integrated control unit and 433.92 MHz variable code receiver, belt drive on galvanized steel guide, emergency release device.
- 2 TX4** 4 button variable code transmitters.

### Compulsory accessori for counterbalanced up-and-over doors.

- \*GA1** Oscillating arm sliding on bearings.

Brackets and bolts included



## GD10 Up to 17,5 m<sup>2</sup>

Kit for automation of a residential sectional garage up to 5.2 m wide and up to 3.4 m high and up-and-over doors\* up to 5 m wide and up to 3.5 m high.

\* with GA1 accessory.

€ 487,00



ECS Bus



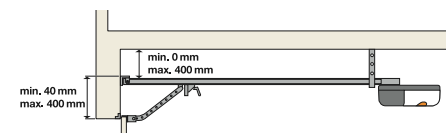
### Each kit contains:

- 1 GD10** Pre-assembled electromechanical 24 Vdc gear motor with integrated control unit and 433.92 MHz variable code receiver, belt drive on galvanized steel guide, emergency release device.
- 2 TX4** 4 button variable code transmitters.

### Compulsory accessori for counterbalanced up-and-over doors.

- \*GA1** Oscillating arm sliding on bearings.

Brackets and bolts included



**MhouseKit: for rolling shutters,  
sun screens and awnings.**

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## RS6 / RS10

Kit for automation of a rolling shutter or blind automation, featuring 35 mm diameter tubular motors. Mechanical limit switch.



Kit RS6:

€ 134,50

Kit RS10:

€ 141,50

### Each kit contains:

- 1 Tubular gear motor Ø 35 mm, 230 Vac with mechanical limit switch.
  - 1 AR6 Kit: bracket + square pin 10 mm, threaded holes.
  - 1 AR7 40 mm octagonal adapter. Crown + wheel.
  - 1 Key for stop adjustment.
- RS6** 6 Nm torque, 12 kg load.  
**RS10** 10 Nm torque, 18 kg load.



## RM15 / RM30 / RM45

Kit for automation of a rolling shutter or awning automation, featuring 45 mm diameter tubular motors.  
Mechanical limit switch.



Kit RM15:  
€ **126,50**

Kit RM30:  
€ **134,50**

Kit RM45:  
€ **168,50**

### Each kit contains:

- 1 Tubular gear motor Ø 45 mm, 230 Vac with mechanical limit stop, complete with hardware pack.
- 1 **535.10010** Sheet steel support with two M5 threaded holes.
- 1 **515.06000** Octagonal 60 wheel + ring.
- 1 Key for limit switch adjustment.

**RM15** 15 Nm torque, 28 kg load.  
**RM30** 30 Nm torque, 56 kg load.  
**RM45** 45 Nm torque, 90 kg load.

## RME15 / RME30 / RME45

Kit for automation of a rolling shutter or awning automation, featuring 45 mm diameter tubular motors.  
Built-in control unit and receiver, electronic limit switch.



Kit RME15:  
€ **212,00**

Kit RME30:  
€ **224,00**

Kit RME45:  
€ **236,50**

### Each kit contains:

- 1 Tubular gear motor Ø 45 m, 230 Vac with built-in control unit, receiver, electronic limit-switches and hardware pack.
- 1 **TX3** 433.92 MHz, 3 buttons variable code transmitter, complete with wall bracket.
- 1 **535.10010** Sheet steel support with two M5 threaded holes.
- 1 **515.06000** Octagonal 60 wheel + ring.

**RME15** 15 Nm torque, 28 kg load.  
**RME30** 30 Nm torque, 56 kg load.  
**RME45** 45 Nm torque, 90 kg load.

# MhouseKit: to control any not preset rolling shutters.



## RT3

Kit consisting of one control unit with RC1 receiver and a 3-button TX3 transmitter (it cannot be cloned) to radio control any rolling shutter, awning or rolling garage door.

€ 119,50

TX3



RC1



### Each kit contains:

- 1 TX3** 433.92 MHz, 3 buttons variable code transmitter, complete with wall bracket.
- 1 RC1** Control unit with integrated receiver.



## RC2

The receiver RC2 allows to control at a distance lighting, irrigation and burglar systems using the same TX4 transmitter used for the gate and garage door automation.

€ 87,50



### RC2

Control unit with integrated receiver.

## Control electronics and accessories.

**TX4**

€ 31,50

Transmitter.

**TX4**

433.92MHz 4 variable code buttons transmitter.

**TX3**

€ 31,50

Transmitter.

**TX3**

433.92MHz 3 variable code buttons transmitter, complete with wall bracket.

**R2**

€ 64,50

Radio receiver.

**R2**

Pre-wired receiver: 2 variable code outputs with 433.92 MHz transmission frequency and self-learning function.

**DS1**

€ 98,00

Digital switch.

**DS1**

13-key digital switch programmable code, via radio, battery power supply.

**PH1** 

PH1:

€ 61,00

**PH0**

PH0:

€ 49,90

Photocells.

**PH1**

Pair of wall-mounted autosynchronized photocells with Mhouse ECSBus system.

**PH0**

Pair of synchronised traditional photocells (without ECSBus System). Only for GDO.

**PT100** 

PT100:

€ 193,50

**PT50** 

PT50:

€ 114,00

Post mounted photocells h. 945/485 mm.

**PT100**

Pair of 945 mm high posts, with two pre-assembled PH1 photocells on each, adjustable height.

**PT50**

Pair of 485 mm high posts, with a pre-assembled PH1 photocell on each, adjustable height.



## KS1

€ 31,50

Two-position key-operated selector switch.

### KS1

Key-operated selector switch, surface mounted.



## FL1

€ 48,80

Flashing light.

### FL1

Adjustable flashing light with integrated aerial for 433.92 MHz frequency.



## PR1-PR2

Batteries.

### PR1 - PR2

24V buffer batteries for emergency power supply. For WT1, WT2, WS2, WK2, WU2, WG2, WG10, WG20, SL1, SL10, GD10.



PR1:  
€ 100,00

PR2:  
€ 140,50



## CR100/CR25

Rack.

### CR100

Nylon gear rack with steel core, four 1-metre sections. For SL1 and SL10.

### CR25

One 1-metre section. For SL1 and SL10.

CR100:  
€ 64,50

CR25:  
€ 17,40



## GA1

€ 98,00

Oscillating arm sliding on bearings.

### GA1

Compulsory for counterbalanced overhead doors. For GD0, GD1, GD10.



## GU1

€ 16,30

Release.

### GU1

Kit for external release using steel cord. For GD0, GD1, GD10.



## EL1

€ 38,20

Interface.

### EL1

Electronic lock interface.



## PBC

€ 108,00

Power supply unit.

### PBC

Battery charger power supply unit, for PF.



**Antriebstechnik Sendler  
Thälmannstr. 37, 15366 Hönow**

**Tel .03342 - 421717  
Fax 03342 - 421718**



The information shown in this publication is purely indicative.  
Nice reserves the right to make any modifications to the products as it sees fit.

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