

# *Click !*

## DESCRIPTION OF THE SYSTEM AND ACCESSORIES

(for the Distributors)

### *Introduction*

Click! is the smallest automatism to electrically open and close shutters or jalousies, and is applicable to every kind of windows and French windows.

The system is made of two gearmotors (one for each shutter, with elastic holders and false frames), inserted in two holes in the wall outside, beyond the window's light.

*Gearmotor*



*False Frame*



In order to adapt the Click! device to most of the jalousies and shutters, various mechanical accessories are available (hinges, drilling templates, etc.), described in this guide. For what is concerning the installation, the electrical connection and the maintenance of the system, please see the appropriate guides (***“Mechanical nstallation”***, ***“Circuitry”*** and ***“Maintenance of the system”***).

# 1) Components of the Kit of the Click! system

## 1.1) Basic Version

**Product Key**

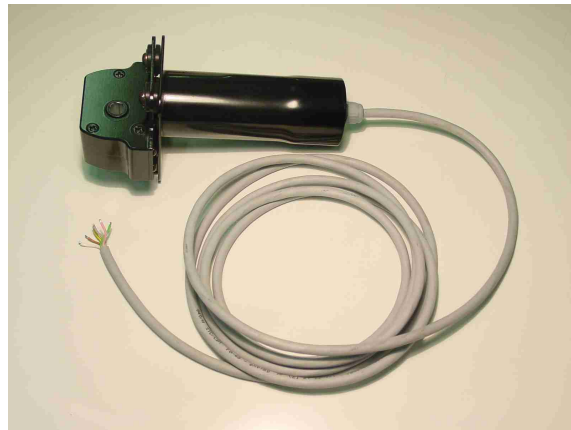
**Description**

**KITCLICKR**

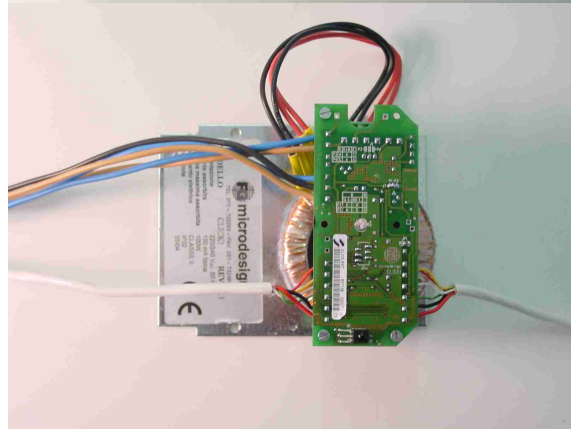
Click! version R (power supply 220V AC)

**Components of the Kit:**

*n. 2 Gearmotors, with false frames for walls and 3 m. long cable.*



*n. 1 Power-supply unit (plate type 2, with transformer 220/24CV AC) and turrets for the fixing of the electronic card)*



*n. 1 Electronic control card, to mount on the power-supply unit (on three turrets)*

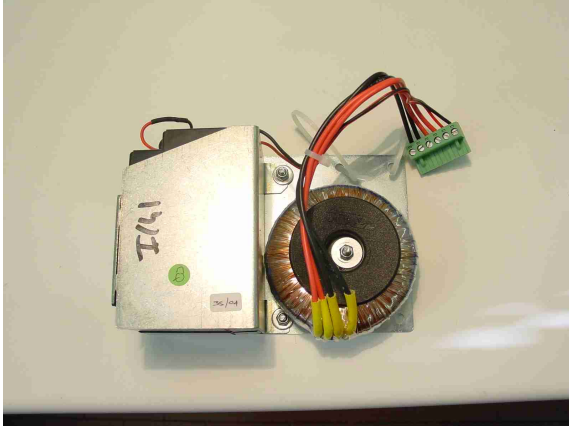
*Example of an Electronic Card, mounted on the power-supply unit.*

## 1.2) Full Version (Basic version + remote control and back-up battery)

<i>Product Key</i>	<i>Description</i>
KITCLICKRBT	Click! version R.B.T. (power supply 220V AC) (+back-up battery) (+ remote control)

### *Components of the Kit:*

- n. 2 Gearmotors, with false frames for walls and 3 m. long cable.



*n. 1 Power-supply unit (plate type 1, with transformer 220/24CV AC and back-up battery)*



*n. 1 Electronic control card, mounted on Panel*

*n. 1 Remote control*

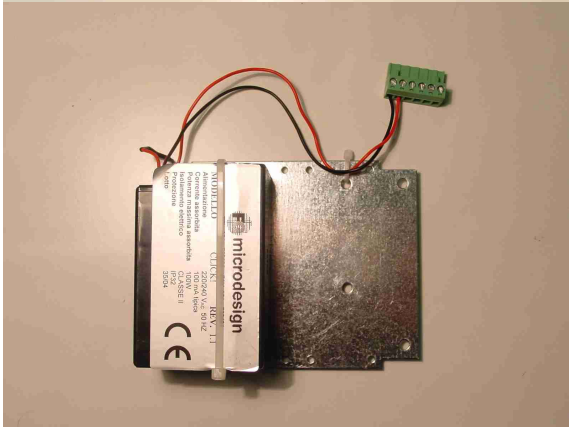


### 1.3) Version with power supplied by only a battery

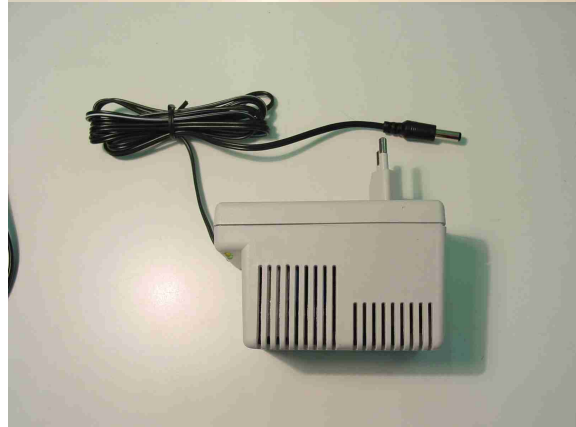
<i>Product Key</i>	<i>Description</i>
<b>KITCLICKB</b>	Click! version <b>B</b> (battery-only power supply 24V DC)

#### **Components of the Kit:**

- n. 2 Gearmotors, with false frames for walls and 3 m. long cable.



*n. 1 Power-supply unit (plate type 2, with battery 24V)*



*n.1 Battery charger*

*n.1 Electronic control card, mounted on the Panel with a Plug for battery charger*



## 1.4) Basic Version with Back-Up Battery

### Product Key

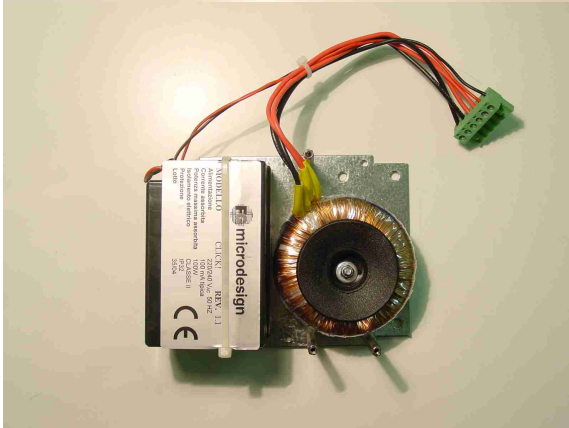
### Description

KITCLICKRB

Click! version R.B. (network power supply 220V AC)  
(+back-up battery)

### Components of the Kit:

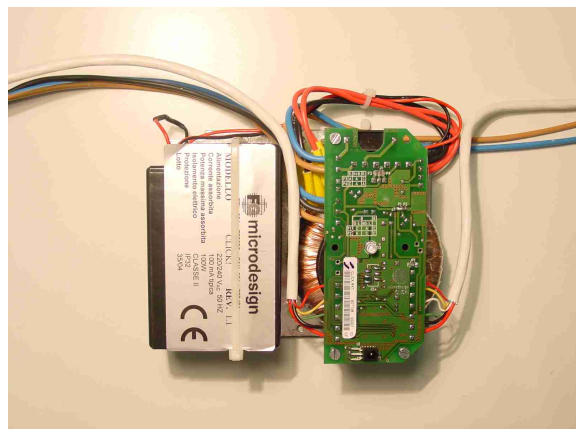
- n. 2 Gearmotors, with false frames for walls and 3 m. long cable.



*n. 1 Power-supply unit (plate type 2, with transformer 220/24CV AC and back-up battery)*

*n. 1 Electronic control card, to mount on the power-supply unit (on three turrets)*

*Example of an Electronic Card, mounted on the power-supply unit*



## 2) Mechanical accessories of the Click! system

### 2.1) “Click!” concealed hinges

The Click! concealed hinges Kit (for jalousies with two shutters), is made of two hinges with hexagonal hole (for the coupling of the engines), two hexagonal pins (for the motion transmission) and four normal hinges, for holding the jalousies/shutters.

The Click! concealed hinges can be mounted on all jalousies made for this kind of iron fittings, whether it is aluminium or wood.

#### Components of the Kit:



Concealed hinges with hexagonal hole, for the coupling with the hexagonal pin

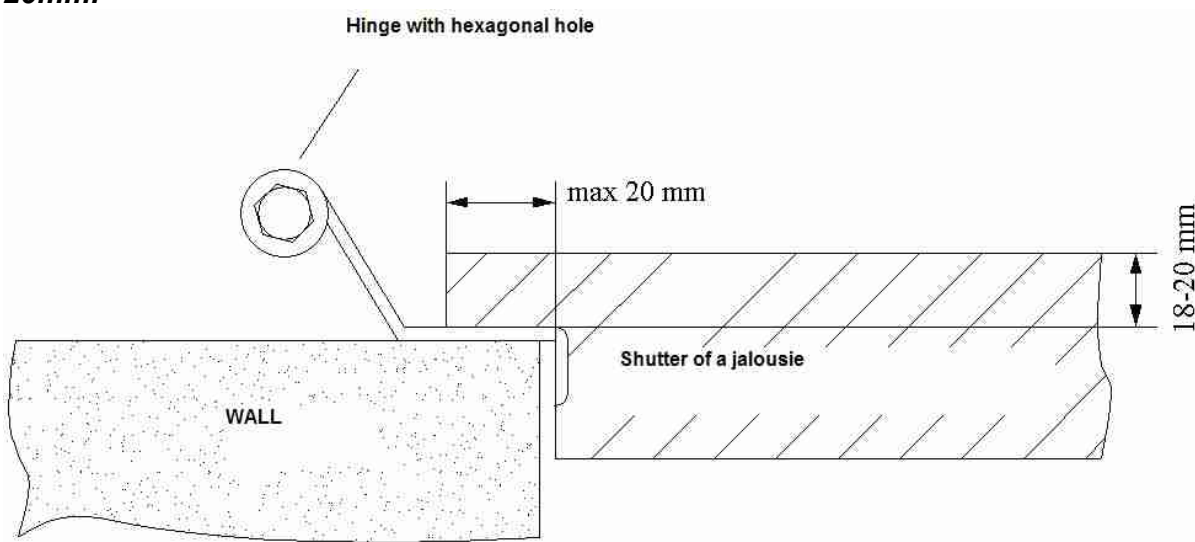


Normal hinges with a  $\varnothing$  12mm round hole

Hexagonal driving pin



**The only mechanical constraint to respect, shown in segments on the following drawing, is the external rebate of the jalousie, which should not be more than 20mm:**





## 2.2) External straight hinges

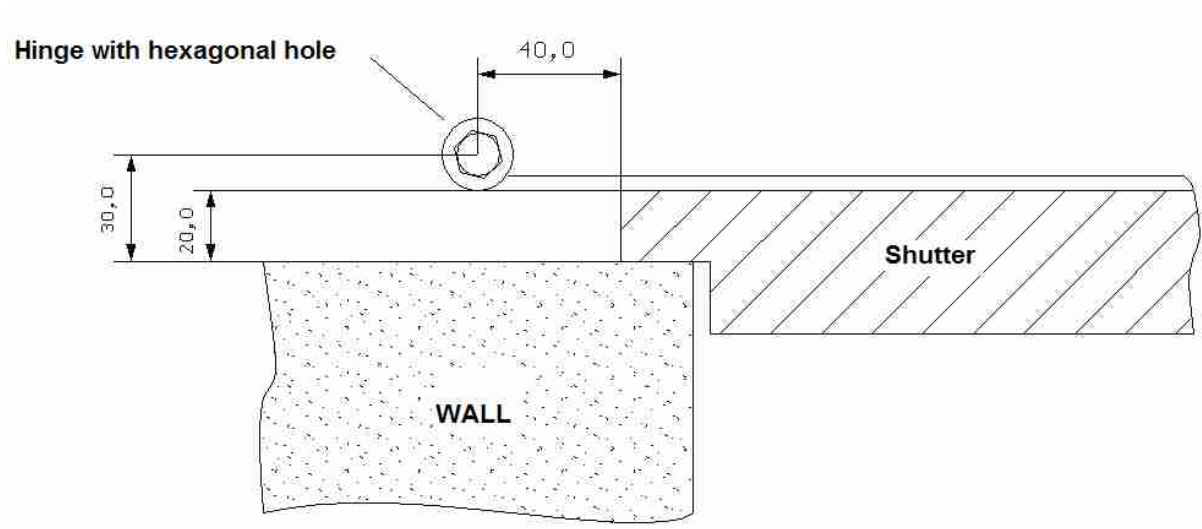
The external straight hinges can be used, depending of the characteristics of the hinge, either with motion transmission directly on the hinge, or with an extra sliding block made of auto-lubricating material.

### ***Motion transmission on the hinge***

The following drawing shows a schematized segment of a hinge with appropriate dimensions, in order to allow the motion transmission directly on the axis of the hinge, and the constraint that needs to be respected:

***The centre of all the hinges (rotation and dragging ones) has to be 30mm from the wall and 40mm from the jalousie's external rim.***

In this case the gearmotors can be installed even more centrally, confronted with the normal hinges, using the hinge with the hexagonal hole (perfectly in line with the gearmotors), and, when requested, supplied with the kit.



## **Motion transmission with self-lubricating rail**

When one has different hinges than the one described above, for the transmission of the motion it is necessary to adopt the kit of arms with self-lubricating rails.

With the drawing below as a reference, where a different hinge than the ones described above is highlighted, the mechanical constraints that have to be respected to use the “universal” hinges with self-lubricating rail are quantified.

With the figure below as a reference we define:

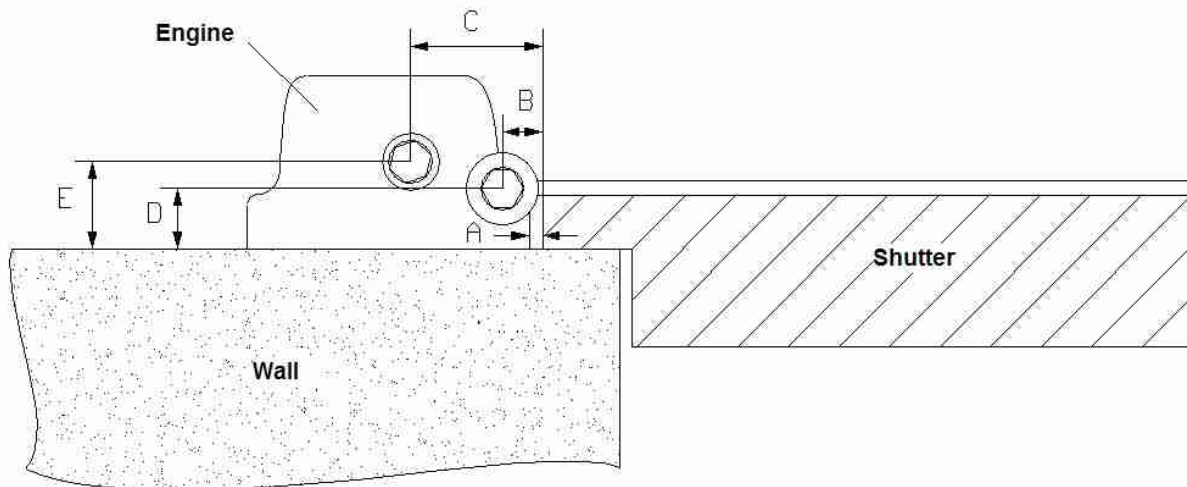
“A” = distance between the rim of the gearmotor and the exterior rim of the jalousie;

“B” = distance between the centre of the hole of the hinge and the exterior rim of the jalousie;

“C” = distance between the centre of the gearmotor’s pin and the rim of the jalousie;

“D” = distance between the centre of the hole of the hinge and the rim of the wall;

“E” = distance between the centre of the gearmotor’s pin and the rim of the wall;



**Usually:**

“A” = 6,5mm

“C” = 40mm

“E” = 30mm

**In order to be able to use correctly the sliding block, it has always to result that:**

**“B” minore od uguale a 40mm**

**“D” minore od uguale a 30mm**

**When “B is less than 40mm” and/or “D is less than 30mm”, to allow the full opening of the jalousies it is necessary to mount the engine outside the profile of the jalousie (on top or in the bottom, see following figures), with the sliding block on the front or on the superior rim (or inferior) of the jalousie.**

**If it is an extreme case, with  $D = 30\text{mm}$  and  $B = 40\text{mm}$ , the slide is not longer necessary and the case, 2.a), has to be considered.**

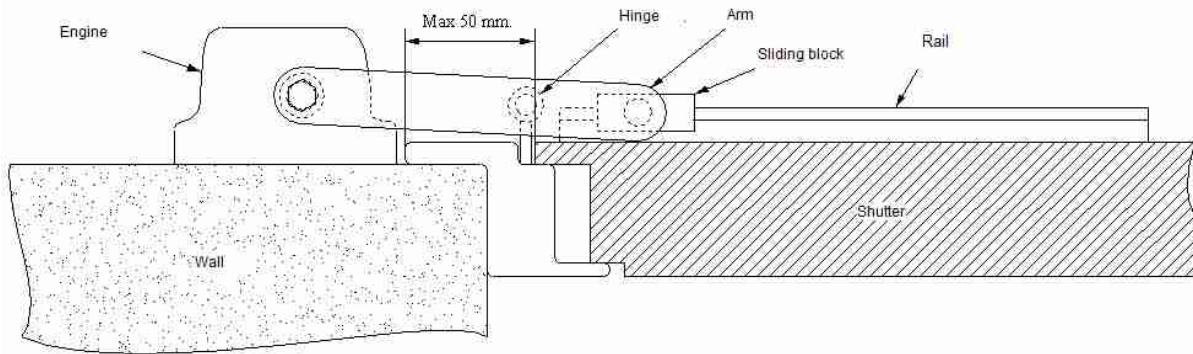


**Examples:**

<p><i>Slide for frontal assembly</i></p>	
<p><i>Universal hinge with frontal sliding block</i></p>	
<p><i>Slide for assembly on the rim</i></p>	
<p><i>Universal hinge with sliding block on the superior rim</i></p>	

## 2.3) Jalousies with frame

Even in the case of jalousies with frames, concerning the transmission of the motion, it is necessary to use an arm kit with self-lubricating rails, with major dimensions compared to the ones above, because the frame (external frame) removes the engines from the hinges. The following drawing shows, in a segment, the shutter of one jalousie with frame and the application of the kit (arms with self-lubricating rails):

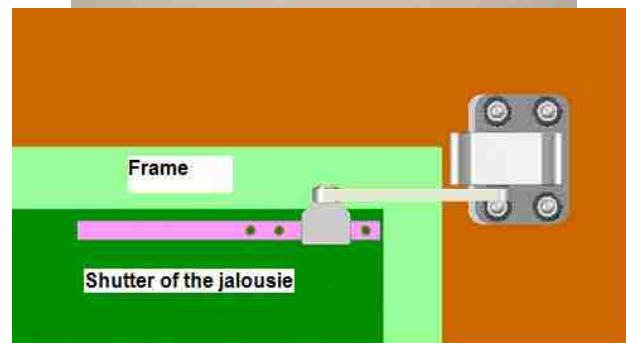


***In order to use the kits with this kind of jalousies correctly, it is necessary that the distance between the exterior rim of the frame and the exterior rim of the shutter is NOT bigger than 55mm.***

*Kit for jalousies with frame*



*Jalousie with frame: universal hinge with frontal sliding block*



The engine has to be mounted outside the profile of the jalousie and the frame, on the upper part or the lower part of the jalousie's face, in order to not interfere with the movement of the jalousie itself.

When jalousies with frame are used, both arms and the auto-lubricating sliding block are bigger than arms and sliding blocks of normal jalousies.

### 3) Drilling templates for placing the Engines

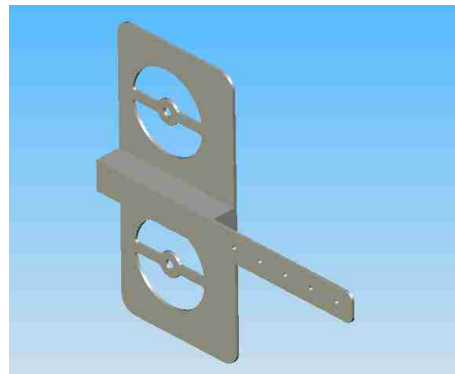
#### **Template for Concealed Hinges and External Straight Hinges**

*(Template for the Gearmotor fixing hole with concealed hinges or external straight hinges with motion transmission directly on the hinge).*

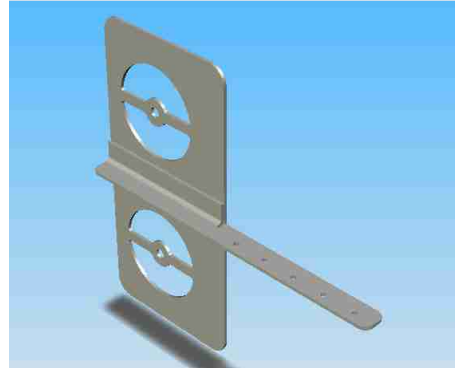


#### **Templates for kit with arms and auto-lubricating rails:**

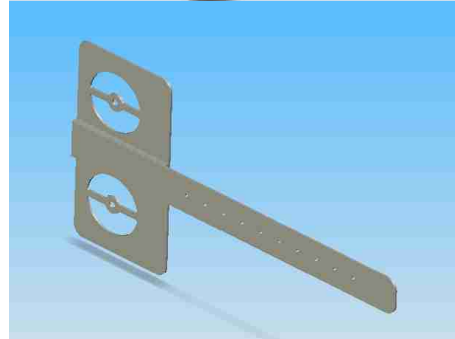
*Template for kit with frontal sliding block*



*Template for kit with sliding block on the superior rim of the shutter.*



*Template for kit jalousies with frame*



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**FG Microdesign srl**

via Cicogna, 2/B

40068 SAN LAZZARO DI SAVENA (BO) ITALY

Tel. +39 051 625 94 88 - Fax +39 051 625 73 02

e-mail: [info@fgmicrodesign.com](mailto:info@fgmicrodesign.com)