

## SHY electric blinds and blackouts – control options

### Electric blinds, blackouts, screens and shades

Electric motors are invaluable for controlling SHY electric blinds individually or together – and particularly useful where an installation comprises a number of matching blinds (see the Sheffield Winter Garden installation illustrated).

There are numerous control options available. SHY electric blinds can be operated by a radio-control handset or a hard-wired wall switch, alternatively they can be managed via home automation, BMS (Building Management System) or relay. A single handset can be used to control 1, 4 or 16 groups of blinds for larger installations and additional functionality also allows automation - e.g. 'open in am, close in pm' - to be programmed in.

### There are three main choices:

- Hard-Wired Switch
- Radio-Control
- Home Automation or Building Management System (BMS)

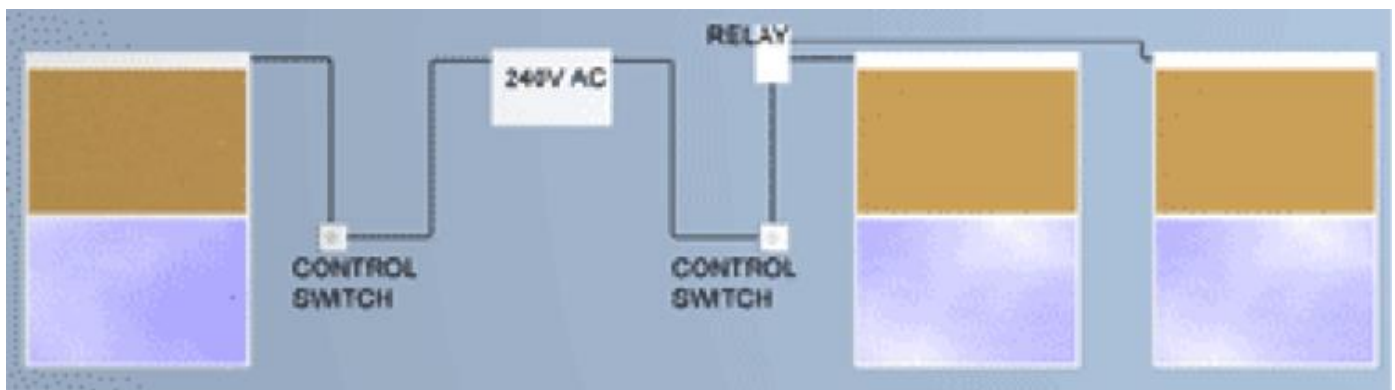
These controls are available for our **ZIP** sealed, **Obscura** roller, and **Sunfacta** motorised blinds, shades, and screens. Naturally, if you wish to know more, please do contact us.

## Hard-Wired Switch



### Obstacle detection - Hard Wired - Instructions

Needs wiring between mains, relay(s) if more than one blind being controlled, and blind motors.



A wall-mounted switch can operate one blind, or many blinds together. You will need a relay box for two to four blinds - more for greater blind numbers.

Various options and combinations are available for groups with or without individual control. **Please see wiring diagrams for options and examples.**

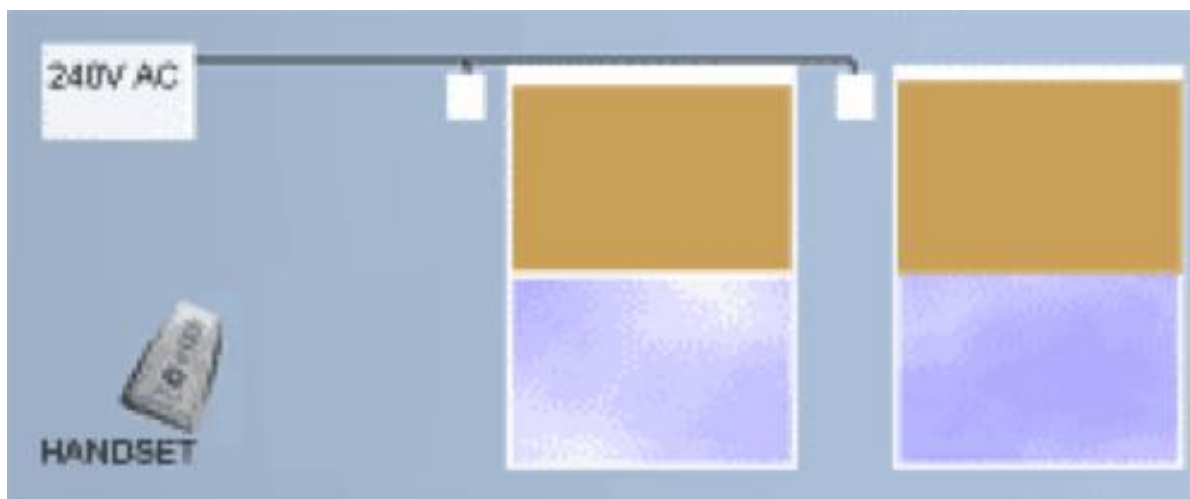
## Radio Control for Blinds and Screens

No wiring between controller and blind. Simple installations - decor undisturbed. Users love it, and setup is straight forward.

For detailed information, also see the following documents:

- Obstacle detection - Radio – Instructions
- Obstacle detection - Radio Handsets (Selve)
- RTS (Radio) Wiring Diagram
- Setup instructions for Altus Sonesse RTS
- Setup instructions for Sonesse 30 RTS

A **single-channel handset** can operate one blind, or many blinds together from a single channel.



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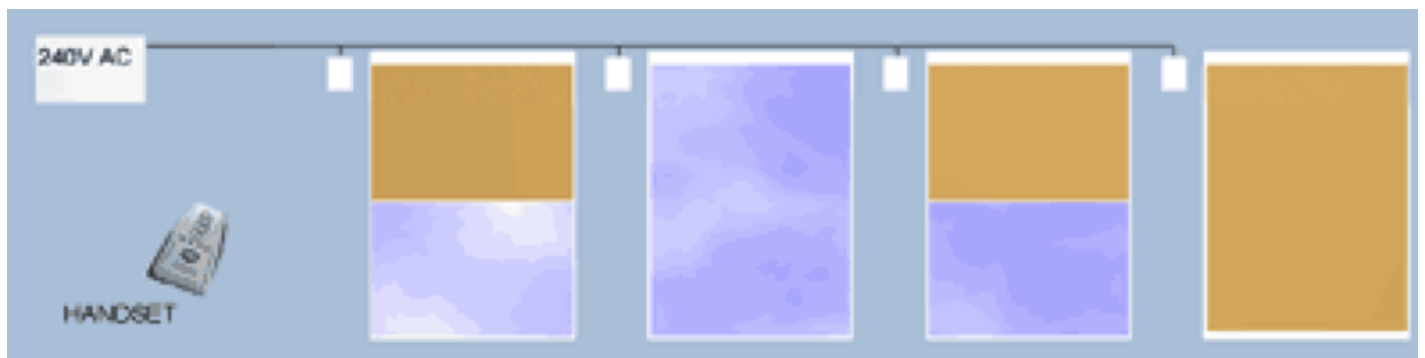
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A **four-channel** handset combines the flexibility and convenience of remote control with individual, grouped and centralised control of your blinds.

Each channel is linked by a simple programming procedure to one or several blinds. With the selection button you can choose which shading you want to control from anywhere in your home. Indicator lights on the controller show the current selection. With the touch of a button you can open all the blinds in the room or on the entire floor.

There are 4 lights to indicate the 4 channels, however when all 4 lights are lit, this is a 5<sup>th</sup> channel, usually programmed to work all channels together as a group, however what you choose to use this 5<sup>th</sup> channel for is entirely up to you.



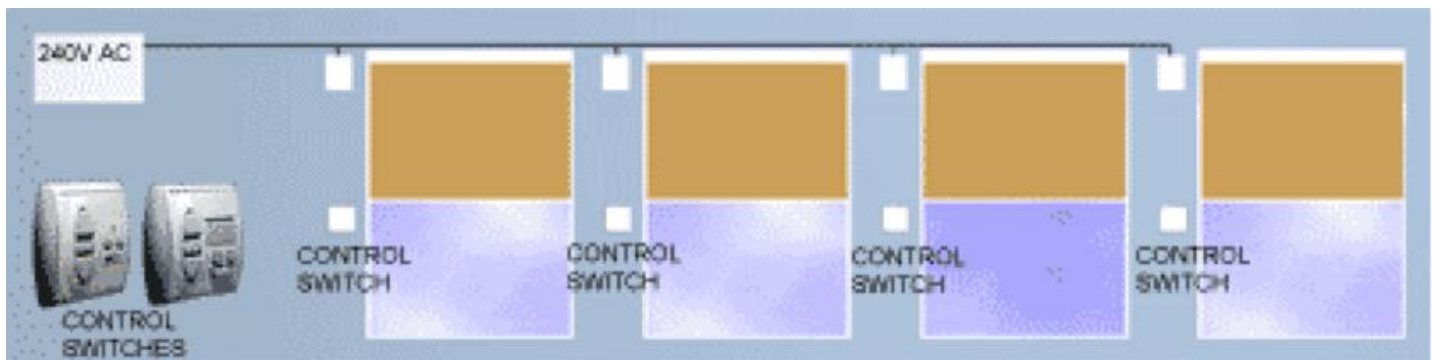
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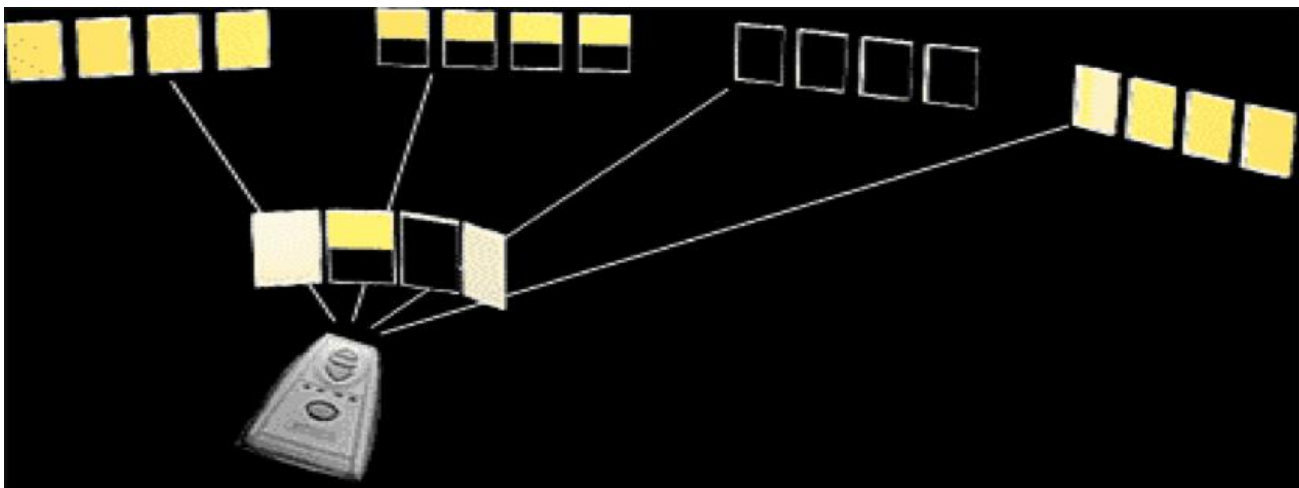
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Don't forget! Any radio control switch that can control **one** blind can also control a **group** of blinds. Thus a four channel handset can control 4 groups of blinds.



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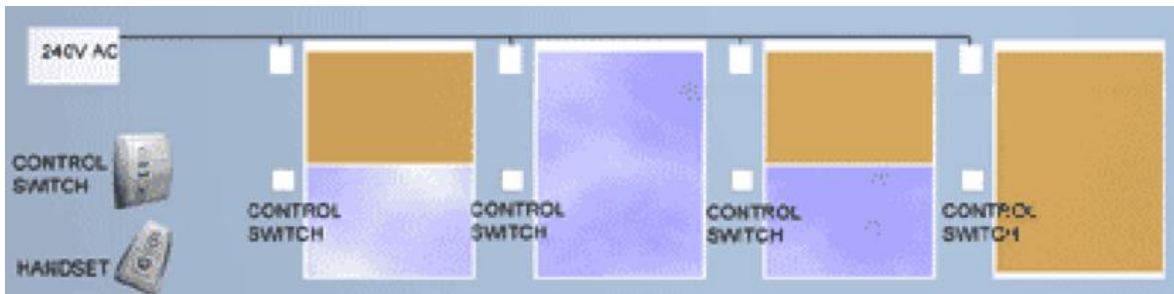
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**Wall-mounted radio switches** can be used as an option or addition to, the handset to operate one blind, or many blinds together. With the Smooove range, there are 8 frame finishes and 4 inner colours. to mix and match from.



Smart wall-mounted radio switches are a further possibility. This switch can reproduce a user's orders and control your blinds individually or as a group by simply pressing the Up, Down and Stop buttons. Also program automatic raising and lowering to be activated once in the morning and once in the evening.

## Home Automation / Building Management System

On a simple level, most home automation and building management systems will have a module or driver for blinds and shutters to do power the blinds directly, or we can supply a module to do this.

The other way is to use radio motors and connect a transmitter to the automation system (we supply a particular transmitter for this purpose called a dry contact transmitter). Using radio motors can be of real benefit because electrical installation and limit switch setting is simple and straight forward. You are also combining the benefits and flexibility of a radio installation with the control from the automation system.

On a more sophisticated level, there are what are called ILT motors, that provide positional information to the automation system and it is the system that tells the motor when to stop (unusually, there are no internal limit switches built into the motor). This is generally used on commercial BMS, often with a KNX system, when you may need the services of a programmer to make this work with the particular automation software chosen.