

# Installation Guide - In Reveal

Installation instructions are intended as a guide only and the specific requirements of each installation must be taken into account. The instructions provided below apply to all Roller Shutter types and control systems unless otherwise stated.

## Tools Required

- Spirit level.
- Drill.
- Hammer.
- 10mm drill bit.
- 5mm drill bit.
- 5 or 6mm Masonry drill bit depending on wall plug size chosen, and screws to suit. For timber frame windows, just screws.

## 1. Mark Shutter Position

Measure the window opening and ensure the sides and top are exactly horizontal and vertical.

**HARDWIRED INSTALLATION ONLY** - Decide the best point of entry for the mains power and pre-drill the hole if required – this will help the electrician later.

## 2. Prepare Guides

Measure and cut the guide to the exact length and angle of the windowsill, ensure you leave enough room for the headbox. Measure and mark the hollow part of the guide in the centre and 150mm in from each end of the guide. Drill through the back of the channel and the back of the guide using a 5mm drill bit. Drill a 10mm hole through the back of the channel using the 5mm holes as a guide. Depending on the size of the screw you need to fix the guides to the walls, you may need to widen the hole on the back using the 5mm pilot hole as a guide.

**BATTERY INSTALLATION ONLY** – Go to Step 3

**HARDWIRED AND SOLAR INSTALLATION** – Go to Step 4

## 3. BATTERY INSTALLATION ONLY - Drill battery wire hole

From the inside of the house determine the position of the battery pack. For the best look, align the height of the battery pack with the height of any light switches in the room.

Once you have selected a position drill a 10mm 'exit hole' for the wire to run through and create a reference point that you can see from the exterior of the building, such as a pencil marking or a piece of tape on the window. Then with a pencil, make a corresponding mark on the outside of the application at that height, behind where the guide will sit.

Drill the hole through the wall where you have marked. Mark the position of the 'entry hole' from the wall onto the corresponding guide and use a 10mm drill bit to drill through the back of the hollow section of the guide where you have marked.

Remove the rubber rings from the end-plate legs. On the motor side, mark the position of the end plate leg hole on the end plate. Remove the leg and drill a 10mm hole in the end plate where you have marked. This allows the wire to run through the hollow part of the guide and into the wall. Refit the end plate leg.

Bring the motor wire around the curtain and pull it all the way through the hole. You may need to remove the rear pop rivet on the motor side of the headbox to get access, ensure that the rivet is replaced before moving to step 4.

#### 4. Drill guide fixing holes

Drill appropriate size pilot holes in the wall where you have marked your guide fixing locations. Your fixing will be different depending on the weight of the shutter and the material you are fixing them to.

#### 5. Assemble the Shutter

Remove the rubber rings from the end plates if you haven't already and slide the end plate legs into place.

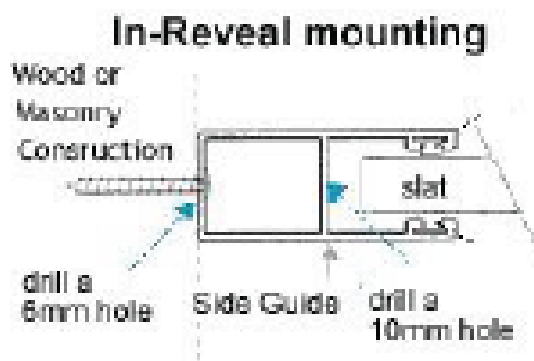
**BATTERY INSTALLATION ONLY** – Feed the wire down the hollow section of the guide and pull through the exit hole in the guide you drilled in step 3.

**NOTE** - To make this easier, tape the terminals together, then push a piece of thin wire or fishing line through the exit hole and out the end of the guide. Tape the terminals to the end of the wire or line and pull it back from the other end to pull the wire through the exit hole.

Push the hollow section of the guides onto the end plate legs. Ensure they sit flush with the headbox.

#### 6. Hang the Shutter

Remove any films and foam protective packaging from the roller shutter. Lift the guides and headbox together into the marked position, feed any wires into their respective places as you do this. Once the shutter is in position, ensure the shutter is level and fix off to the building.



#### 7. Connecting the Control system

Each System has its own instructions for this step. Continue to the following pages:

Hardwired - Page x

Battery - Page x

Solar - Page x

# Installation Guide - On-Wall

Installation instructions are intended as a guide only and the specific requirements of each installation must be taken into account. The instructions provided below apply to all Roller Shutter types and control systems unless otherwise stated.

## Tools Required

- Spirit level.
- Drill.
- Hammer.
- 10mm drill bit.
- 5mm drill bit.
- 5 or 6mm Masonry drill bit depending on wall plug size chosen, and screws to suit. For timber frame windows, just screws.

## 1. Mark Shutter Position

Mark the centre point of the window along the top edge.

Measure the width of the headbox and using a spirit level draw a line centred on your mark. Measure the height of the headbox and using a spirit level mark this on the wall to create an outline of the headbox position.

Measure the guide length and using a spirit level mark this vertically from the bottom corners of the headbox outline to create an outline of your guide position.

Ensure all lines are exactly horizontal and vertical, this ensures the shutter operates properly.

**HARDWIRED INSTALLATION ONLY** - With the outline marked decide the best point of entry for the mains power and pre-drill the hole if required – this will help the electrician later.

## 2. Prepare Guides

Measure and cut the guides to size required for full window coverage. Measure and mark the hollow part of the guide in the centre and 150mm in from each end of the guide. Drill through both sides of the guide using a 5mm drill bit on the marked points. Drill a 10mm hole through the front side of the guides using the 5mm pilot holes. Depending on the size of the screw you need to fix the guides to the walls, you may need to widen the hole on the back side using the 5mm pilot hole as a guide. Hold your guides level in the marked position on the wall and mark the fixing hole locations on the wall.

**BATTERY INSTALLATION ONLY** – Go to Step 3

**HARDWIRED AND SOLAR INSTALLATION** – Go to Step 4

## 3. BATTERY INSTALLATION ONLY - Drill battery wire hole

From the inside of the house determine the position of the battery pack. For the best look, align the height of the battery pack with the height of any light switches in the room.

Once you have selected a position drill a 10mm 'exit hole' for the wire to run through and create a reference point that you can see from the exterior of the building, such as a pencil marking or a piece of tape on the window. Then with a pencil, make a corresponding mark on the outside of the application at that height, behind where the guide will sit.

Drill the hole through the wall where you have marked. Mark the position of the 'entry hole' from the wall onto the corresponding guide and use a 10mm drill bit to drill through the back side of the hollow section of the guide where you have marked. Remove the rubber rings from the end-plate legs. On the motor side, mark the position of the end plate leg hole on the end plate. Remove the leg and drill a 10mm hole in the end plate where you have marked. This allows the wire to run through the hollow part of the guide and into the wall. Refit the end plate leg. Bring the motor wire around the curtain and pull it all the way through the hole. You may need to remove the rear pop rivet on the motor side of the headbox to get access, ensure that the rivet is replaced before moving to step 4.

#### 4. Drill guide fixing holes

Drill appropriate size pilot holes in the wall where you have marked your guide fixing locations. Your fixing will be different depending on the weight of the shutter and the material you are fixing them to.

#### 5. Assemble the Shutter

Remove the rubber rings from the end plates if you haven't already and slide the end plate legs into place.

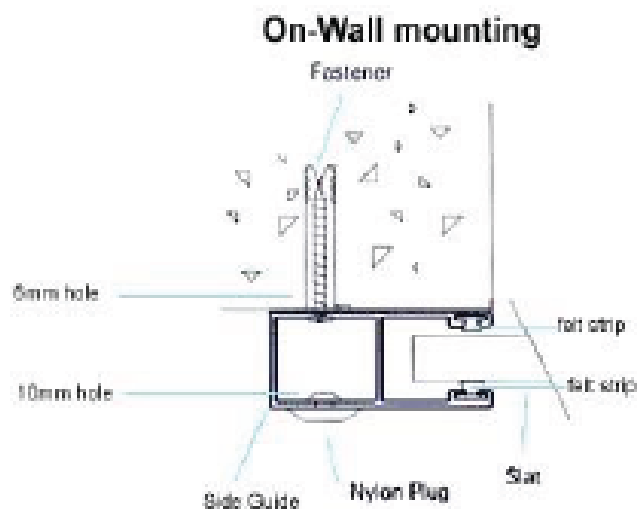
**BATTERY INSTALLATION ONLY** – Feed the wire down the hollow section of the motor side guide and pull through the exit hole in the guide you drilled in step 3.

**NOTE** - To make this easier, tape the terminals together, then push a piece of thin wire or fishing line through the exit hole and out the end of the guide. Tape the terminals to the end of the wire or line and pull it back from the other end to pull the wire through the exit hole.

Push the hollow section of the guides onto the end plate legs. Ensure the 10mm holes face outwards and the guides sit flush with the headbox.

#### 6. Hang the Shutter

Remove any films and foam protective packaging from the roller shutter. Lift the guides and headbox together into the marked position, feed any wires into their respective places as you do this. Once the shutter is in position, ensure the shutter is level and fix off to the building.



#### 7. Connecting the Control system

Each System has its own instructions for this step. Continue to the following pages:

Hardwired - Page x

Battery - Page x

Solar - Page x