

Intelli-Blinds Roller Blind Kits

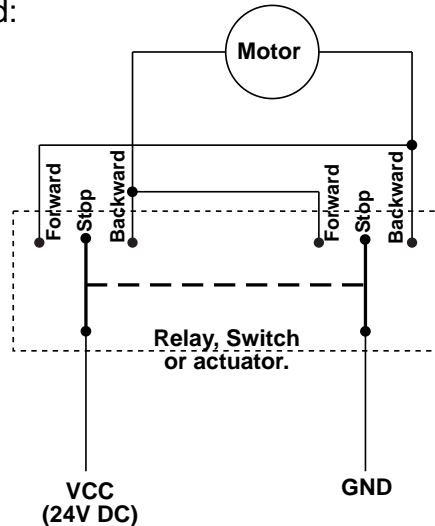
No Controls (Basic Kits) - Rev 5 21-SEP-09

Wiring Of Receiver, PSU and Motor

Your basic roller kit is supplied without any controls to operate the motor. To control the motor you will need to connect the PT-18 Power Supply and motor to a suitable switch, relay or actuator.

To operate the motor the 24vDC from the PT-18 should be connected to the motor wires, the polarity determines the motor direction. The motor will automatically stop at the mechanical limit you will set in the next steps. Once the motor has reached it's limits we would recommend that the power should be disconnected from the motor.

Schematic for a typical control method:



Setting Upper and Lower Limits

Setting of the limits for the DY28 motor is achieved with the use of the green plastic adjustment tool and the white & red adjustment screws on the side of the motor. Your motor will be supplied to you with a very short limit, this means the **blind will not operate fully until the limits have been set**. Depending on the orientation of the blind and motor the limit adjustment screws will operate the upper or lower limit. To begin ensure your blind is installed in it's open position (rolled up) with the bottom of the blind about 200mm below the tube.

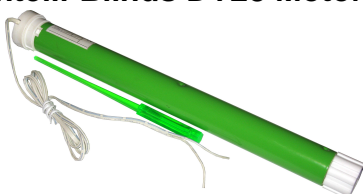
Step 1, Check Motor Direction: Press the open or close buttons on the remote. If the blind moves opposite to the controls, the motor wires need to be reversed on the to correct the direction.

Step 2, Lower Limit: Press the close (down) button on the remote and then using the adjustment tool insert it into the adjuster for the lower limit. If you are unsure which adjuster is for the lower limit please refer to the chart below. To increase the limit (make the blind go further down) turn the adjuster clockwise to increase the limit until the blind moves to the desired position.

Step 3, Upper Limit: Press the open (up) button on the remote to send the blind to it's top position and then using the adjustment tool insert into the adjuster for the upper limit and rotate anti-clockwise to decrease the limit.

Motor Handing	Fabric Roll	White Limit	Red Limit
Right	Back	Lower	Upper
Right	Front	Upper	Lower
Left	Back	Upper	Lower
Left	Front	Lower	Upper
Right	Back	Lower	Upper
Right	Front	Upper	Lower
Left	Back	Upper	Lower
Left	Front	Lower	Upper

Intelli-Blinds DY28 Motor Intelli-Blinds PSU



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Cutting Tube To Size

Inside Recess (mounted inside the window opening)

Measure the recess width and subtract 30mm from the measurement. Measure from the end of the motor not including the small rectangular pin and mark the measurement on the aluminium tube. You can cut the tube to this length using a junior hacksaw ensuring you make a straight cut. The pin end can now be inserted into the end of the tube. The minimum size the tube should be cut to is 350mm.

Outside Recess (mounted outside the window opening)

Cut the tube to your desired width and insert pin end into tube.

Please note the motor can not be removed from the tube.

Cutting Intelli-Blinds Supplied Fabric

If you have purchased fabric from intelli-blinds it will have been shipped to you on a separate roll. It has already been cut to 1800x2300mm and squared. After you have cut your roller tube to size you can measure the aluminium tube to determine your fabric width. Measure and mark with a pencil the desired width at the top and bottom of the fabric and draw a straight line between the two marks. You can cut the fabric along this line with scissors or if you have a straight edge you can cut using a craft knife.

Mounting The Cover

The roller tube is supplied with strong double sided tape, peel off the backing and apply the fabric to it. The tape is applied to the tube straight so you can follow the edge of the tape with the fabric to ensure it's aligned to the roller tube (this will ensure it rolls up straight).

Attaching Bottom Rail

You will have been supplied with a 1800mm aluminium bottom rail. This is a two part clip together rail that will capture the fabric when it's clipped together. The bottom rail should be cut 3-4mm wider than your fabric. If you refer to the images below you will see where the fabric should be placed prior to clipping the rail together. You will then need to push down firmly along the length to secure the rail to the fabric. The two plastic end caps can now be inserted.

Fabric in place, unclipped.



Rail clipped together.



Fitting Brackets

The brackets can be installed top or face fix. Top fix usually requires drilling and plugging into the window lintel. Face fix can be used if you have wooden window frames. The brackets should be installed into the corners of the window reveal taking into account any obstructions the blind may encounter on the window (handles etc). The bracket with the + shape in the centre is the motor end, the pin-end bracket has a small retaining clip, this should be removed ready for installation of the blind.

Fitting The Blind

Once the brackets have been installed you can insert the small rectangular pin on the end of the motor into the motor bracket (note: this is a tight fit). Normally the motor would be installed with the limit adjustments pointing down or to the front meaning the motor wire is towards the top or back of the blind.

To clip the pin end into the other bracket you should remove the retaining clip from the bracket and insert the pin into the slot until it clips into place. The retaining clip can now be inserted into the bracket to secure the blind in place. If you need to remove the blind in the future, you will need to pull on the retaining clip to release it.