

AMS Low Voltage Motors

AutoMotionShade produces specialty motors for the transportation industry.



All our products undergo rigorous testing.

Every single motor endures a 20 minutes run-in test for the gear-motor assembly and an additional limit test combined with a full load test for the final assembly. Our motors are designed and tested to last for 20,000 cycles.

Motor specifications:

- Three-stage planetary gear. Plastic – brass combination guaranties a quiet operation at the best possible speed and torque.
- Brushed DC motor combined with the integrated electronic circuit guaranties accurate positioning under wide range of loads. The motor has an electronic overload /stall protection.
- Limit switches can be adjusted individually. The shade can be positioned within 5mm.
- Maximum 30 revolutions limit to limit.
- Holding torque equal to nominal torque.
- Retains limits when turned during power off.
- Nominal torque can be increased with additional spring assist system.

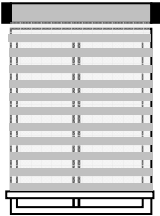
Motor program

Name	Voltage	Speed	Size	Limit Adjustment	Torque
EL-4260-1230-AMS	12 Volt	30 rpm	24mm	Side	700 mNm
EL-4260-1250-AMS	12 Volt	50 rpm	24mm	Side	700 mNm
EL-4260-2430-AMS	24 Volt	30 rpm	24mm	Side	700 mNm
EL-4265-1230-AMS	12 Volt	30 rpm	24mm	Below	700 mNm
EL-4265-2430-AMS	24 Volt	30 rpm	24mm	Below	700 mNm

Limit Adjustment 4260 :

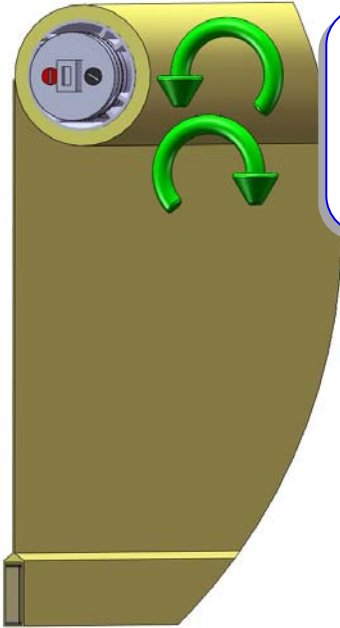
The 4260 motor limits can easily be adjusted from the using a flat No 2 screw driver. This limit adjustment is ideal for rapid limit settings in mass production. For applications where the shade is mounted inside a frame or where readjustment after installation is required refer to the 4265 motor.

Adjust Lower Limit

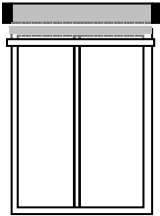


Lower Limit
Turn CCW

Rise Limit
Turn CW



Adjust Upper Limit



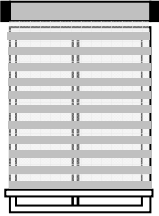
Lower Limit
Turn CCW

Rise Limit
Turn CW



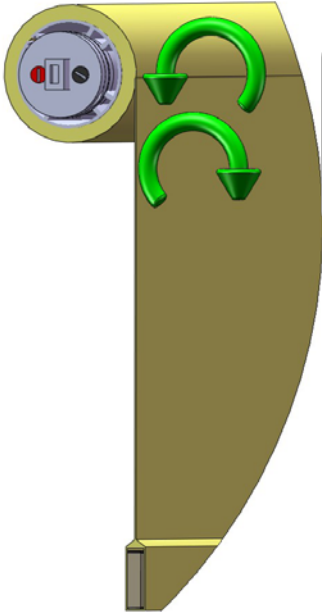
Limit Adjustment Reverse Roll

Adjust Lower Limit

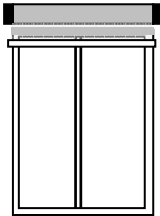


Rise Limit
Turn CW

Lower Limit
Turn CCW



Adjust Upper Limit



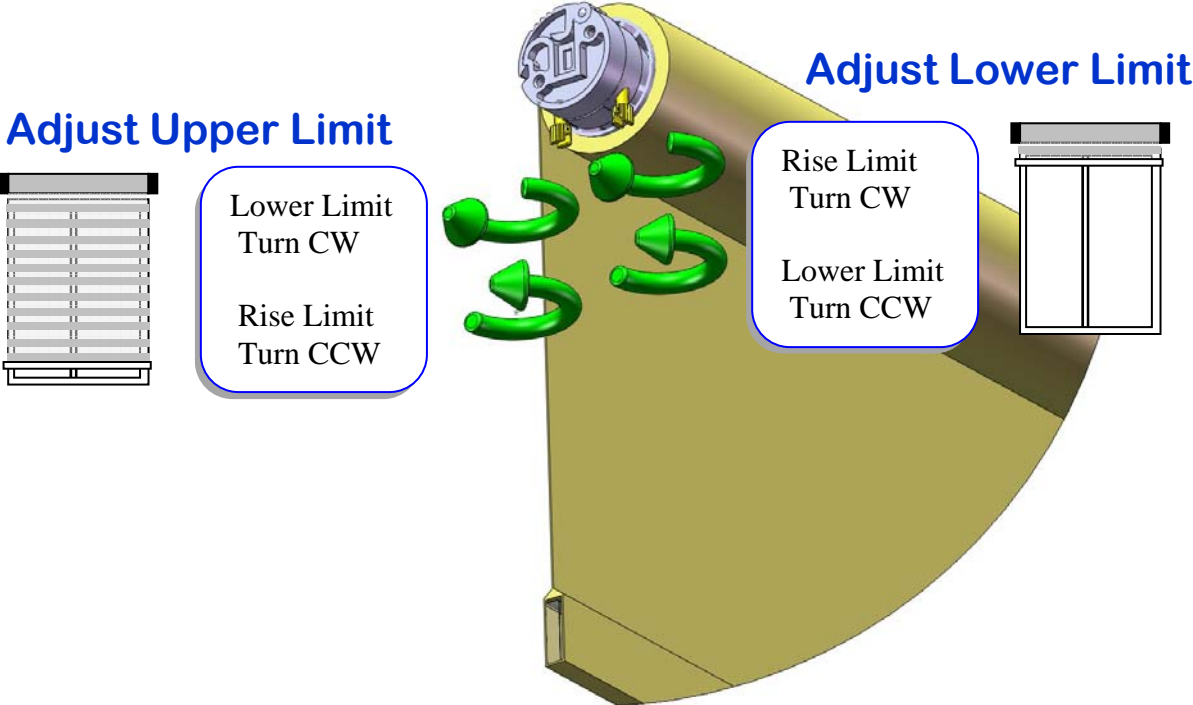
Lower Limit
Turn CCW

Rise Limit
Turn CW

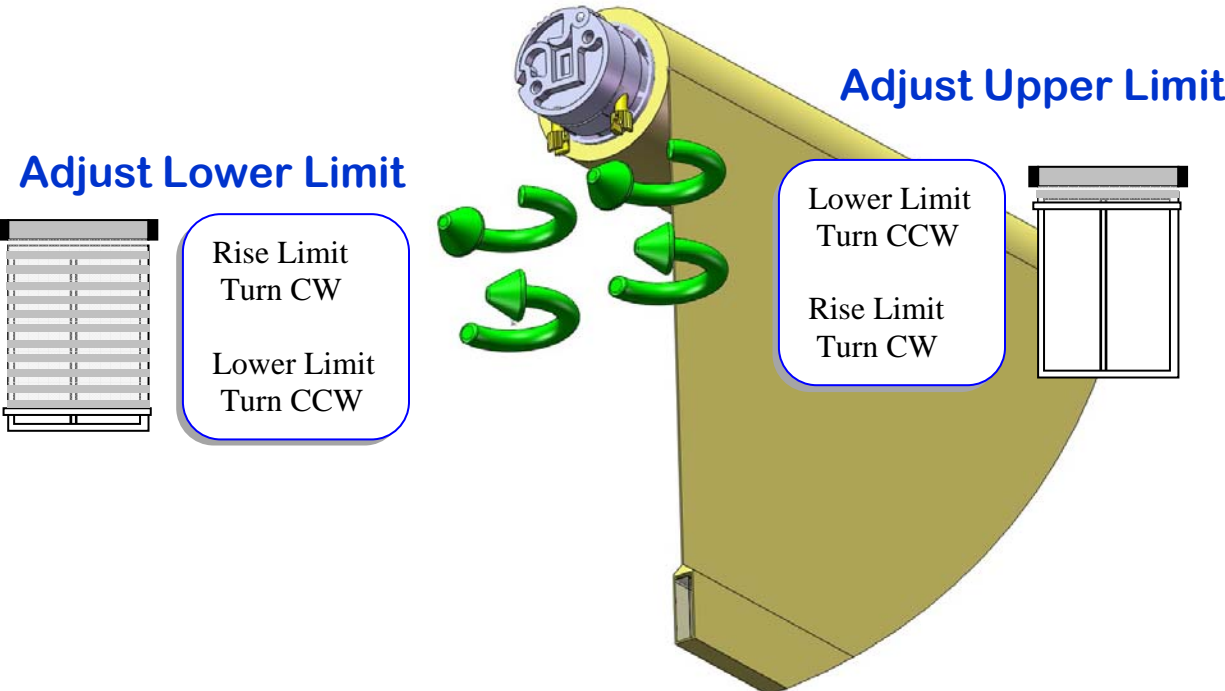


Limit Adjustment 4265 :

The 4265 motors have the same dimensions and performance as the 4260 motors. They differ in the way the limit switches are configured. The 4265 motors have a limit switch that is accessible from below. This makes the adjustment easier once the shade is installed on site.

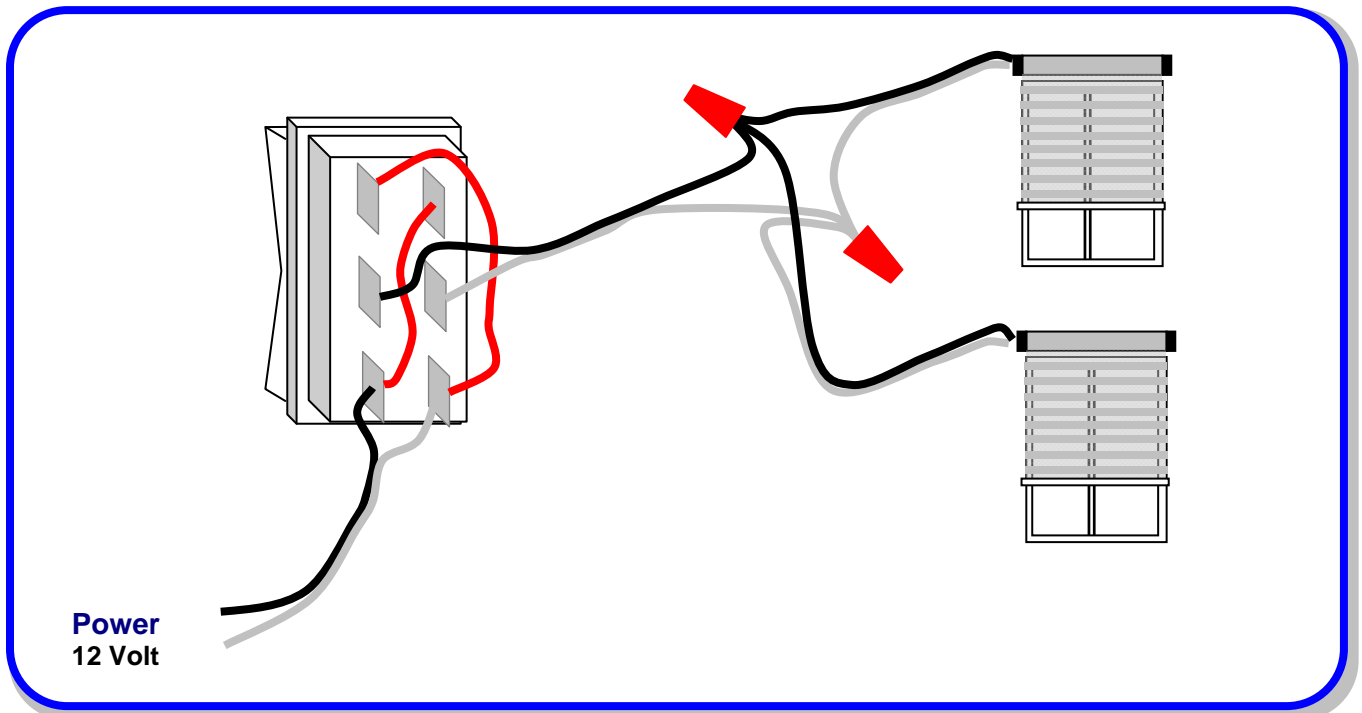


Limit Adjustment Reverse Roll



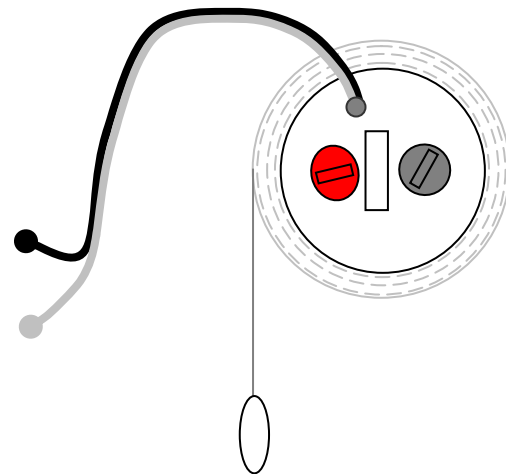
Wiring

The motors have black and white 22 AWG wires.
 Use Momentary DPDT (Double Pole Double Throw) switches with a contact rating of >2 Amps and > 12 Volts.



Polarity

Shade UP*	+	Shade Down	-
	-		+



***Note:** The Polarity can change for special order systems such as reverse roll systems or systems where the motor is located on the right side. Standard systems always have the motor on the left side and are always wired as shown.