KAISER NIENHAUS

Lamella Statura BL - 12V (V2)

Item no. 148060

Electronic 12V venetian blind drive

Installation and Operating Instructions

1 Technical Data

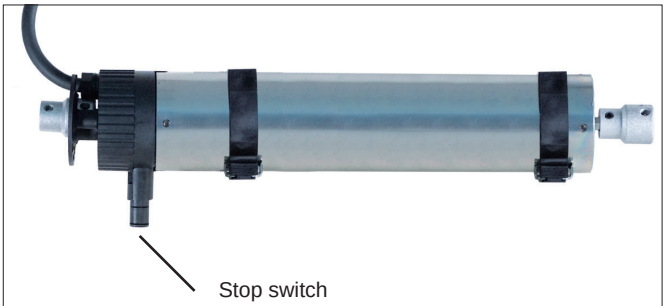

Fig. 1: Venetian blind drive Lamella Statura BL - 12V

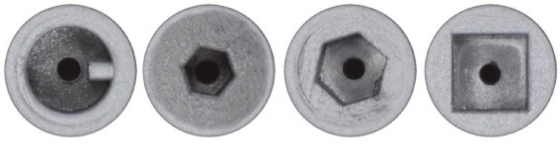

Fig. 2: Supplied shaft adapters

Item number:	148060 (V2)	Length of connecting cable:	3500mm
Rated torque:	2x3Nm	Protection class acc. to VDE700:	IP54
Rated speed:	24 rpm	Motor length:	270mm
Power supply:	12V DC	Length incl. shaft adapter:	302mm
Power:	52W (4.5A)	Sound pressure level (LpA):	≤ 75dB(A)
Operating time:	6 min.	Max. blind area:	6.5m² (5m² in combination with escape route controls)
Cores/cross-section:	4 x 0.824mm²		

*For all work, please observe the safety instructions and the notes under Safety Instructions & Electrical Connection; in particular the notes on the protection and routing of the connecting cable if the rooms are not “dry rooms”.

1.1 Electrical Connection

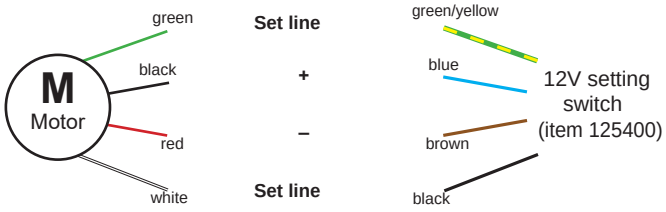

Fig. 3: Connection to the 12V setting switch 125400 (example)

IMPORTANT: The green and white connecting wires of the drive are only used to set the end positions with the setting switch and must then be insulated separately from each other with a suitable terminal.

Note: These instructions often refer to the motor “jogging”. This means a short up-and-down movement, which is not always visible on the venetian blind.

1.2 Field of Application & Mode of Operation

The drives of the Lamella Statura BL - 12V series are intended exclusively for use in external venetian blinds. They are ideal for installation in U-profile rails open at the bottom.

The stop switch on the drive serves as an emergency stop. As soon as the slat package runs onto the button, the drive interrupts its travel. The stop switch can be extended (if necessary) using the supplied adapter pieces.

In combination with escape route controls, the 12V venetian blind drives can be used for external venetian blinds up to 7m² so that they can be opened in the event of a power failure.

1.3 Installation Notes

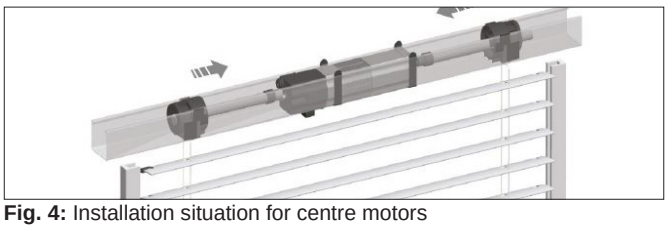

Fig. 4: Installation situation for centre motors

The drives of the Lamella Statura BL - 12V series are centre motors, which are mounted in the middle of the venetian blind.

IMPORTANT: The drive must be installed so that the stop switch points vertically downwards!

2 Setting the End Positions

With drives of the Lamella Statura BL - 12V series, the end positions can be learned either conveniently with the setting switch (item no. 125400) or with the switching device installed on site. Proceed as follows:

Setting with setting switch:

1. Move the venetian blind “up” to the desired end position and stop the drive there.
2. First press and hold the **SET** button and then additionally press the **UP** button until the drive jogs once (approx. 5 seconds).

After the **SET** button is released, the drive confirms the upper end position by jogging twice. Then return the toggle switch to the neutral position.

3. Move the venetian blind “down” to the desired end position and stop the drive there.
4. First press and hold the **SET** button and then additionally press the **DOWN** button until the drive jogs once (approx. 5 seconds).

After the **SET** button is released, the drive confirms the lower end position by jogging twice. Then return the toggle switch to the neutral position.

Setting without setting switch:

5. Move the venetian blind “up” until the slat package runs against the stop switch and the drive switches off automatically.

The upper end position has now been learned.

6. Now move the venetian blind “down”. At the desired lower end position, switch directly to “up” and hold the **UP** button pressed (approx. 5 seconds).

As soon as the drive automatically interrupts its travel “up”, it has learned the lower end position at the point where the direction was reversed.

Note: If one or both end positions are to be changed later, they must first be reset as described under “2.1 Deleting the end positions”.

2.1 Deleting the End Positions

Deleting end positions that have already been learned is necessary if they are to be changed later. Proceed as follows:

1. First press and hold **SET** and then additionally press the **UP** button until the drive jogs for the first time after 5 seconds and a second time after a further 5 seconds.

After the **SET** button is released, the drive confirms successful deletion of the end positions by jogging twice. Then return the toggle switch to the neutral position. Do not switch on the drive for 10 seconds and then start setting the end positions again as described under “2 Setting the end positions”.

2.2 Setting Switch Buttons

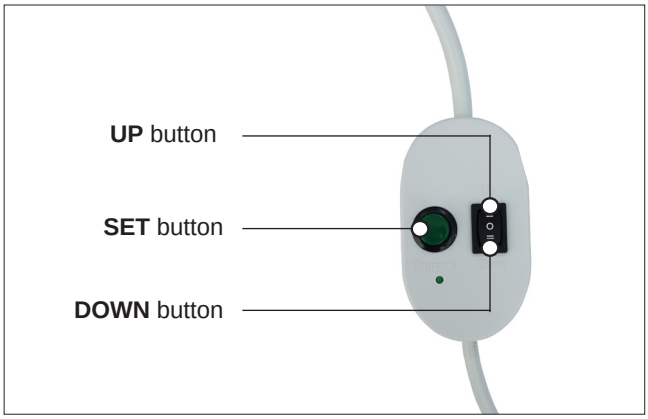

Fig. 5: Setting switch (item no. 125400)

3 Automatic Package Height Compensation

The drive has an automatic package height compensation that can be activated, in which the drive measures the distance from the manually set upper end position to the stop switch. After every 50 complete cycles, the drive automatically runs to the stop switch during “up” travel and readjusts the upper end position to the originally measured distance. Before activating the function, first learn the end positions with the setting switch (see section 2; points 1-4). Then move the venetian blind to the upper end position. Leave the “up” command switched on after the end position has been reached. Now press the **SET** button five times until the drive overruns the learned end position, switches off at the stop switch and thus measures the distance. During the next “up” travel, the drive stops at the set end position again. After the end positions are deleted, the function is automatically deactivated again.