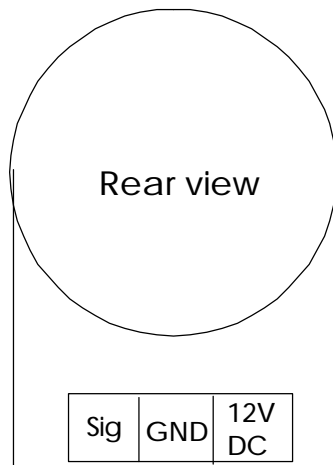


Technical specifications for Actuator STP 8x

Thank you for purchasing the STP 8x actuator by es-Lasersystems Germany.
This low cost actuator comes complete with arm, mirror and integrated driver electronics. The STP 8x is a product of German engineering with many years of performance without service maintenance.

How to connect:



Connect 12VDC and GND to the terminals shown in the diagram. The DC-source must be able to source at least 200mA per actuator. Allow 1/4 amp per actuator as a guide. Connect the control signal to the SIG-Input. It should be in between +4VDC and +25VDC. When the control signal goes high, the actuator swings the mirror into the beam; when the signal goes low, the mirror returns to its resting position.

Transportation

To prevent the STP 8x from being damaged in shipment, the mirror is in the lock position.
To prepare the actuator for use:

1. Remove the lower right (as viewed from the front with the mirror facing towards you) screw with the supplied allen key.
2. Move the mirror arm counterclockwise until it's in the "3 o'clock" position.
3. Replace and tighten the lower right screw.
4. That's it !

Testing

1. Once the actuator is installed in position, make sure that the control signal is low when switch on the 12VDC power supply.
2. The mirror arm will move to its lower position with a short chattering sound to reset its position.
3. Make the control signal high and the mirror arm will silently move to its in-beam position. Making the control signal low, will cause the actuator to move silently out of the beam.

Finish

Once the actuator is installed and tested be sure to remove the plastic film that protects the mirror from scratches before use with laser beams.

Have fun !

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