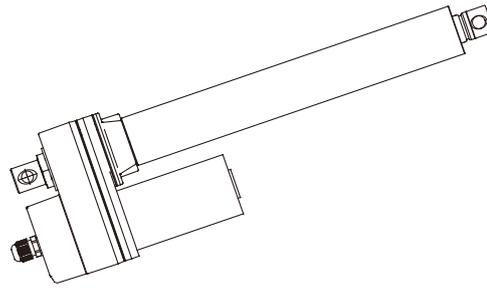


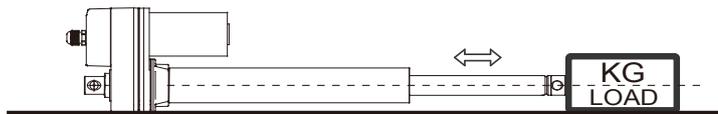
User Guide

Industrial Actuator

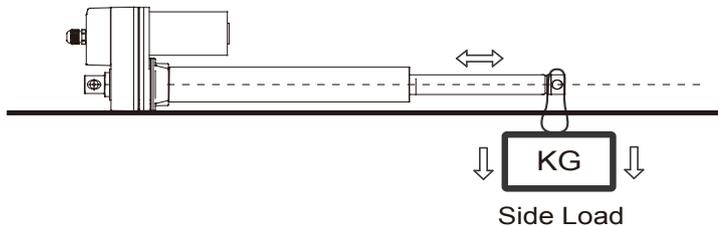
Model: ID11



CAUTION:



The load should be centered on the operating direction.



Side load is NOT good for actuators.

ADJUST THE LIMIT SWITCHES

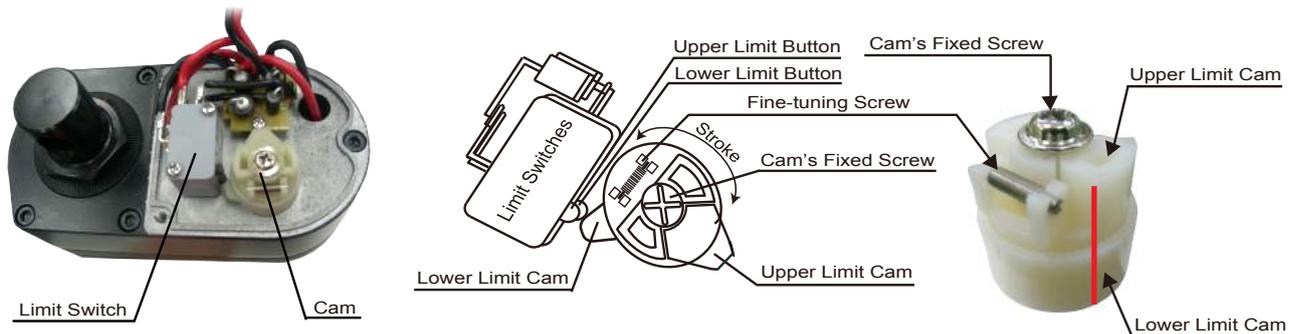
⚠ NOTICE

- Limit switch adjustment shall apply only to products that are not IP65 protected. Besides, IP protection will be void once the back cover is removed.
- Before the actuator is powered, it's necessary to put a bolt through the front connector to keep the inner tube from self-spinning, which ensures proper correlation between the limit switch and stroke.
- The upper cam sets the most extended position, and the lower cam sets the most retracted position. The adjustment shall be made within the specified stroke, to avoid having the related parts damaged.
- The fine-tuning screw shall not be too much turned, to avoid damaging the plastic components.
- Make sure the upper and lower cams are held in place, when you try to fasten or unfasten the cam screw. Do not remove the cam screw entirely, or otherwise the cam limit assembly will be damaged.

HOW TO ADJUST THE CAM LIMIT SWITCH?

- Step 1: The actuator has to be at no load condition, off from any frame. Loosen the cable gland with a wrench, and remove the 3 screws on the back cover. Slowly remove the back cover, and be careful not to damage the gasket inside.
- Step 2: As per the info in Notice, keep the inner tube from self-spinning. Connect the actuator to power, and retract it to the lower limit position, where the limit switch is reached, and motor stops itself. This is the default position of the lower limit. To adjust this position, turn the inner tube manually, towards the direction of extension, instead of the direction of retraction.

- Step 3: Power the actuator in the other direction, and extend the inner tube to the desired position. If it happens to be the default position of the upper limit, where the limit switch is reached and motor stops itself. In case that fine-tuning is needed, use a small screw driver to turn the fine-tuning screw. Once the adjustment is done, power the actuator in both directions to see if the upper limit is correct.
- Step 4: If the fine-tuning doesn't reach the needed position, mark a line, as shown in red in the lower right picture, on the initial position. Unfasten the cam screw with around 0.5mm high, manually move the upper cam until it reaches the limit switch, and fasten the cam screw. When the cam screw is unfastened or fastened, make sure both cam limits are held properly, as per the description in Notice.

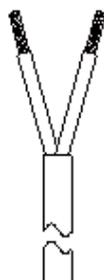


- Step 5: Once the cam screw is fastened, power the actuator in both extension and retraction directions, to ensure the adjusted upper limit position is correct and the actuator is moving properly. Follow Step 3 to fine tune the upper cam limit if necessary.
- Step 6: Lastly, put back the gasket carefully, and also the back cover. Fasten all 3 screws evenly.

WIRE CONNECTION

For ID11 actuators, connection rule of power wires according to the instruction below.

- Standard Type
- Please refer to the table below to define the actuator's extension. When Red (M+) is connected to "+" and Black (M-) is connected to "-" of DC power the actuator will extend.



Wiring	
Red	M+
Black	M-

SAFETY DECLARATION

This appliance cannot be used by children or persons with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction.

