

Setting the dead bands / returning the "factory settings"

A **dead band** is an area of regulation range where no action occurs. The purpose is to prevent involuntary power feeding to the coils. If no dead band is defined, the electronics is feeding random signals to various coils, and if the dead band is set too narrow, even a small unintentional movement of the lever can cause a harmful additional reaction.

As an example: A small side movement of the joystick can cause the rotator to turn when the attempt was to rise or lower the main boom of a forest crane.

Setting the dead bands will always recall, by the program selected current values. The current values will be 0 – 1100 mA at 14,5 VDC. Because the current values starts from zero, at all lever directions of the joystick (even the thumb roll) shall all hydraulic movements start smooth from zero, without any preset speed. The current starting from zero will lead to a relatively long lever movement for gaining a required current for start in some functions.

To adjust these function to start smooth, immediately after the dead band, please read the manual at: Instruction/Ergo-DigiStick instructions.

The procedure to set the dead bands / returning the factory settings:

(the hydraulic pressure can be on because the joystick will not give any out signal)

Note: At the referred switches A and B, A is marked with a cavity.

- Switch off the power from the joystick
- press and hold A and B switches.
- turn on the power to the joystick, still holding A and B pressed until the red light come on after 5 seconds. Then let off the switches.
- To set the dead bands at the joystick move the lever apr. 10 mm in every direction, also the roller apr. 2 mm forward and back.
- Press A switch to register the dead band values (just a quick press, don't hold)
- The red light will flash to indicate the registered values.
- Move the lever to the maximum position in all directions, also the roller.
- Press A switch to register the maximum lever values.
- The red light will now be on for 1 second to indicate the finished procedure.
- **The joystick is now ready for use.**

Note: The length of the dead bands can be set longer than 10 mm if wanted but not shorter to avoid earlier mentioned unintentional movements.