

# SM 59C 13

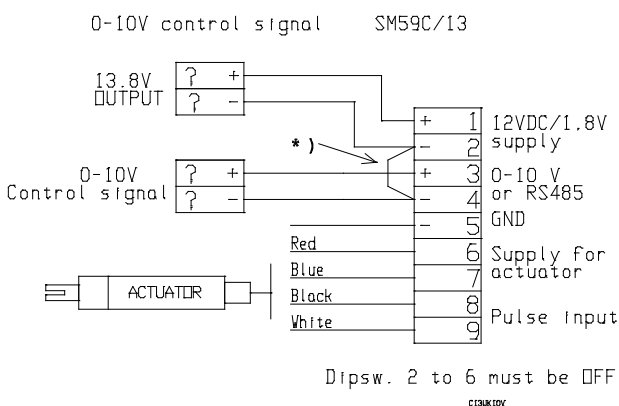
ACTUATOR WITH CONTROLLER-UNIT

## INSTALLATION

- Position controlled by 0-10V

### 1. Wiring

Cables must be kept isolated from mains supply by at least 10 cm to avoid noise. Preferably shielded cable. Connect shield to term.5 (GND). Supply polarity (+ and -) must be correct.



\*) Connect term. 2 and 4 if supply and control signal has different GND potential.

### 2. Red LED

Description	Red State LED
Okay	ON
Motor or PCB defect	0,4 sec. ON / 0,1 sec. OFF
Missing control signal	0,1 sec. ON / 0,4 sec. OFF
Supply below 11V. Normal operation above 12V.	OFF

### 3. Dipswitch settings

Dip-switch	OFF	ON
1	Intelligent emergency opening = 20% + 1½ * The position 5 minutes ago.	Emergency opening to full opening (100%).
2-6	<b>Must be OFF</b>	
7	Control signal = 1,5V: Spindle in	Control signal = 1,5V: Spindle out
8	Emergency opening active. Activated when control signal is below 0,3V and normal operation if control signal is above 0,8V	No emergency opening !

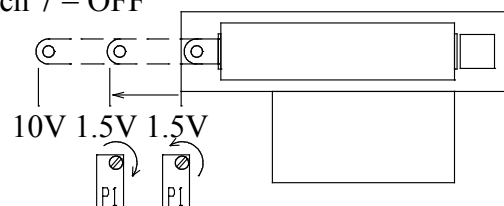
### 4. Adjusting spindle

It is recommended to use full stroke of spindle. If the stroke is adjusted, the actuator will only be able to initialize in open position.

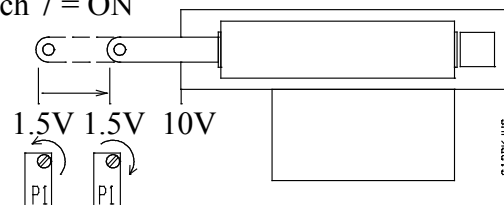
From factory the actuator is adjusted to full stroke. (P1 turned anti-clockwise).

- Dipswitch 1 = ON, 2-6 = OFF.
- Dipswitch 7: OFF = spindle in at 1,5V and ON = spindle out at 1,5V.
- Connect 12V to term. 1 and 2, and leave term. 3 and 4 open.
- You can now use dipswitch 8 to switch between spindle in and spindle out.
- Adjust the closed position with dipswitch 8 ON.

Dipswitch 7 = OFF



Dipswitch 7 = ON



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