

# SM 59C 20/60

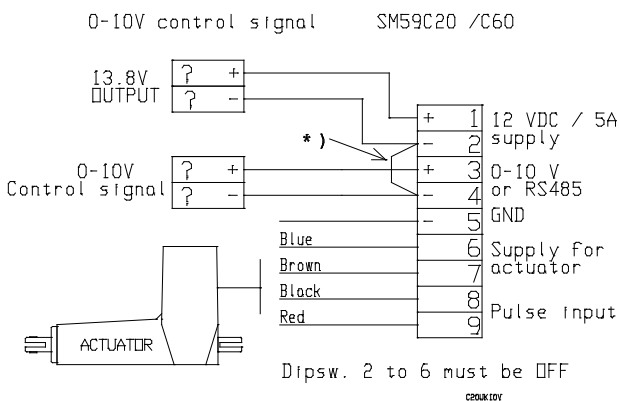
ACTUATOR WITH CONTROLLER-UNIT

## 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 (closed position): Spindle in	Control signal = 1,5V (closed position): 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 !

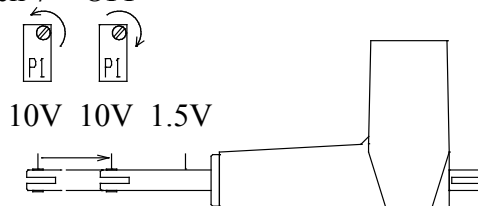
### 4. Adjusting spindle

It is recommended to use full stroke of spindle. If the stroke is adjusted, the actuator will only be able to initialize in closed position (~1,5V in).

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 3, and connect 0V term. 2 and 4.
- Adjust the open position with dipswitch 8 OFF.

Dipswitch 7 = OFF



Dipswitch 7 = ON

