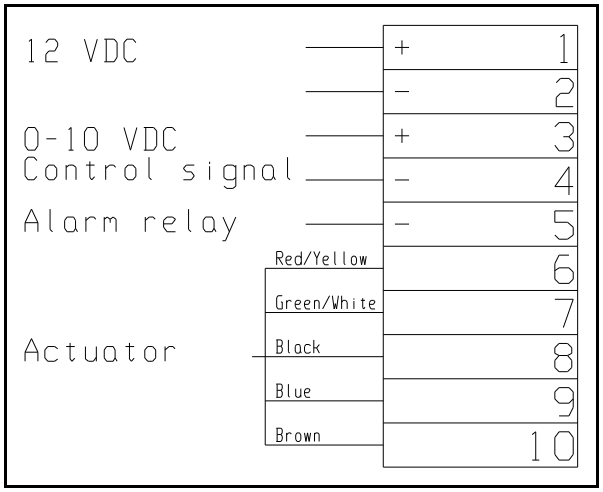
SM 58

ACTUATOR WITH CONTROLLER-UNIT

INSTALLATION

1.0 Wiring

Use a 12 VDC power supply like S1, S2 or S3 with a battery back-up.
Connect 12 VDC to term. 1 (+) and 2 (-)
- Polarisation must be correct !
Control signal (0-10 VDC) connects to term. 3 **(+)** and 4 **(-)**.



2.0 Direction of travel

It must be settled, what is the closed position for the dampers/inlet valves.
There is a change-over switch placed to the left above the terminals "CTRL.SIGNAL LOW". Choose position “SPINDLE IN” when closed is by short length of bar.
Choose “SPINDLE OUT” when closed is by long length of bar.

2.1 Emergency opening

There is a change-over switch placed to the left of the terminals. Choose position “CLOSES” when you don't want it to open, when control signal drops.
Choose position “OPENS" when you do want it to open, when control signal drops. When the control signal falls to under .3 V the emergency opening will take action. The control signal must exceed .8 V during normal operation.

3.0 Length of travel

The length of travel is altered indirectly by - adjusting the positions to where the bar travels. The position concerning short length of bar is adjusted on the 10-turn potentiometer P1“SHORT”. The position concerning long length of bar is adjusted on the potentiometer P2.
Adjustment must be made so that min./max. positions are not closer than ½cm from the mechanical stops.

4.0 Light indicators

LIGHT	MEANS
GREEN - by change-over sw.	Light on when ok. Light off when in alarm mode.
YELLOW “L” YELLOW “S”	Light on when motor runs so spindle gets longer Light on when motor runs so spindle gets shorter
RED flashes .1/.5 sec. RED flashes .1/.1 sec. RED off RED on	Alarm condition. Control signal has dropped below .3V Stop positions has been adjusted crossed over each other Power supply is below 10.5 V. Will not run again before voltage exceeds 12.2 V. OK condition