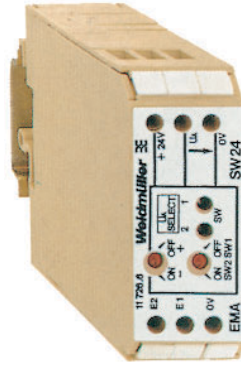


Set Point Generator

EMA/SW 24

- Set point generator
- Switchable $-10.5\text{ V}/+10.5\text{ V}$



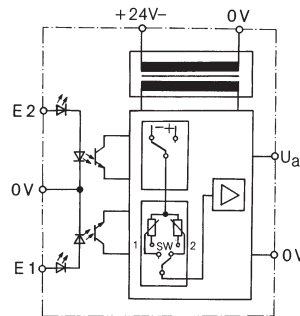
Set point 1 or set point 2 can be switched to the module's output as required.

The changeover is performed safely separated via the control input E1. The output voltage values ($0 \dots 10.5\text{ V}$) can be set using the spindle operated potentiometers SW1 and SW2.

The control input "E" determines the polarity safely separated ($-10.5\text{ V} \dots 0\text{ V} \dots +10\text{ V}$).

Control input E1: 0 V = set point 1,
 24 V = set point 2,

Control input E2: 0 V = positive set point,
 24 V = negative set point



electronic changeover switch

Ordering data	Type	Part No.
	EMA/SW	117260000
Technical data	0=0 V, 1=+24 V	
Input signal/measurement range	$24\text{ V} \pm 20\%$ $\leq 7\text{ mA}$ at 24 V	
Control voltage	each control input: red LED	
Max. input current	via trimming potentiometer	
Display	25 rotations nom.	
Setting		
Output signal	adjustable from $-10.5\text{ V} \dots +10.5\text{ V}$	
Output	Voltage output selection by E1/E2	
Output current	max. $\pm 25\text{ mA}$ at $U_{\text{rated}} = 24\text{ V}$	
Load resistance	min. $400\ \Omega$ at $U_{\text{rated}} = 24\text{ V}$	
Slew-Rate	$0.168\text{ V}/\mu\text{s}$	
Supply voltage U_B	$24\text{ V} \pm 20\%$, 30 mA ($R_L = \infty$)	
Residual ripple	$30\text{ mV}/106\text{ kHz}$ (at U_{max})	
Reaction time	rising $50\ \mu\text{s}$	
	decreasing $80\ \mu\text{s}$	
Isolation voltage, voltage strength		
Input/output/supply	1 kV-	
Input-Output/TS	4 kV _{eff}	
Storage temperature	$-20^\circ\text{C} \dots +70^\circ\text{C}$	
Operating temperature	$0^\circ\text{C} \dots +50^\circ\text{C}$	
Insulation coordination according to EN 50 178		
Overvoltage category	III	
Contamination class	2	
Accessories, dimensions and connection data see page 365	Fig. V	