

Additional switching contacts are available type dependent, up to 8 relays per controller.

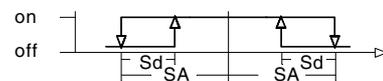
**1. Adjustments** on *parameter* level, separately per each contact:

- SP..** Switching point for independent additional contacts with own set value (type dependent).
- SA..** Switching interval for following additional contacts, given as range (absolute value) above or below the set value of the controller.  
(SA or SP alternatively, depending on the selected control function)
- Sd..** Switching difference (hysteresis), dead zone between activating and deactivating switching function. (To the deactivating switching point it is necessary to take an adequate deviation (concerning the adjusted switching point) into account)

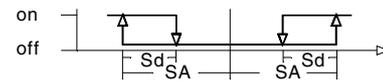
**2. Selectable switching functions** on *configuration* level, separately per each contact:  
(type dependent)

a) *following* contacts:

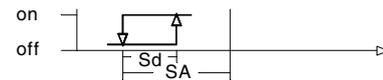
**LC A** Switching point on both sides of the set value (Limit comparator). Relay drops out in case of rising deviation (**Aus**)



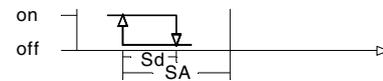
**LC E** Switching point on both sides of the set value (Limit comparator). Relay cuts in in case of rising deviation (**Ein**)



**Su A** Switching point below the set value. Relay drops out in case of decr. act. value (**Aus**)



**Su E** Switching point below the set value. Relay cuts in in case of decr. actual value (**Ein**)



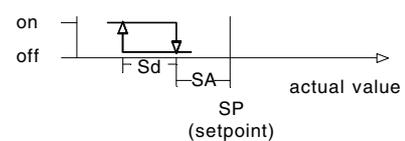
**So A** Switching point above the set value. Relay drops out in case of rising act. value (**Aus**)



**So E** Switching point above the set value. Relay cuts in in case of rising actual value (**Ein**)

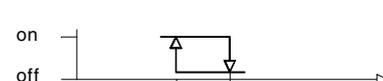


**St A** Heating stage below the set value. Relay drops out in case of rising act. value (**Aus**)

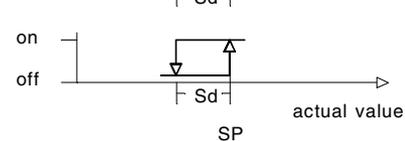


b) *independent* contacts :

**US A** Relay drops out in case of rising actual value (**Aus**)



**US E** Relay cuts in in case of rising actual value (**Ein**)



**3. further adjustments** on configuration level:

**Ist./ Y** assigned value: actual value no. ... or Y (actuating signal)

**CH..** assigned measuring input/ actual value (**channel**) no. .. for independent contacts  
or assigned control loop for following contacts

**SI E** "Safety" shut down (in case of measuring line fault): Relay **on**

**SI A** "Safety" shut down (in case of measuring line fault): Relay **off**