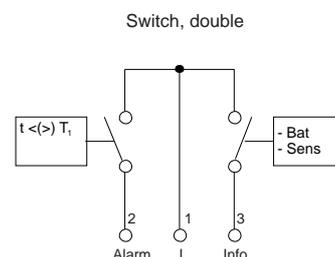


Electronic temperature switch

- As mechanical contacts are left out, the thermometer is failsafe and undesired switch actions are avoided, e.g. caused by vibrations.
- Menu-driven contactless programming of switch points and hysteresis.
- Electronic monitoring of all functions like e.g. switch contacts, battery, plausibility of measurements values.
- On-site function display and low battery condition warning.

Electronic temperature switch	
Switch temperature	Total temperature measurement range; resolution 1 K
Back-switch temperature	Total temperature measurement range; resolution 1 K
Switch point accuracy	1 K
Switch point setting	Contactless programmable
Electrical connection	Instrument plug for cable connection acc. DIN EN175301-803-A, 3-pole with earth connection screwed cable gland for d = 6,5–13 mm Cable cross section up to A = 1,5 mm ²
Operating voltage	48 V, +/-10 %, AC/DC 0...60 Hz
Operating voltage Ex-version	24 V, +/-10 %, AC/DC 0...60 Hz
Switch current	max. 100 mA (per channel)
Transition resistance	nom. 35 Ohm
EMV	EN 61326 (03-2002)
Switch output	2 x closer (SSR) - 1 x programmable - 1 x Info
Switching cycle	Duration of contact connection $t_{on} = 1$ min. approx. 5000 switching operations
Auxiliary switch units	Certified intrinsic safety required for Ex-version
Ex-version	Signal circuit in ignition protected type: intrinsic safety EEx iaIIC. Only for connection to a certified intrinsically safe circuit. Max. value: $U_i = 26.4$ V, $I = 100$ mA



The technical data of the thermometers take from page 5-6