

Data sheet Steuer- u Adjustable temperature switch with actual value indicator Type: ETSA-1...





Data sheet Adjustable temperature switch with actual value indicator Type: ETSA-1...

Technical data	
Housing:	aluminium die-cast housing, color RAL7001 (silvergrey), 98x64x36mm (wxhxd)
Connection:	see respective design, other connections on demand
Mounting:	see respective design, other mountings on demand
Sensor tube:	ø12mm or ø8mm depending on design, length L±1mm acc. to spec. material brass
Switching capacity	230VAC / 2A
Temperature setting range:	upper limiting value 0 °C to 99 °C lower limiting value = upper limiting value minus hysteresis hysteresis 3°C or acc. to specification
Temperature measuring range:	measuring range -9 °C to 125 °C (Attention! see operating temperature) resolution 1,0 °C measuring accuracy \pm 0,5 °C from -9 °C to 125 °C
Supply voltage:	24 VDC ± 15% reverse polarity protected
Operating current:	<45mA
Pressure:	max. 1 bar
Operating temperature:	-20°C to 100°C in medium, -20°C to 70°C above mounting
Protection rating:	IP 65
Certificate:	in accordance with CE

Design

Г







Design 12 Aluminium housing, upright, 360° rotatable Mounting via brass thread 1/2" Sensor tube ø8mm, material brass 2x M16x1.5 cable glands

Maße in mm

Hotline +49 (0)7389 90920 - eMail info@engler-msr.de

TS05 - 12.03.2018 - be - G: ph, je - TS_EKat_ETSA-1.cdr



Data sheet Steuer- u Adjustable temperature switch with actual value indicator Type: ETSA-1...

Technical information	
Adjustment:	After opening the housing the temperature switching point can be set in °C by using the two rotary encoder switches. Use the left rotary switch to enter the 1 st digit respectively the tens digit of the value. Enter the 2nd digit respectively the unit digit by using the right rotary switch. You will also find a detailed adjusting guideline on our website.
Intrinsic safety:	The contacts of the relays are connected in normal rest position, that means upper limiting value not exceeded. A defect of the sensor, sensor connection, exceeding of upper limiting value or break-down of the power supply results in a drop of the relays and eventually a failure indication.
Operating indication:	The operating indicator (red display) indicates both, operation and failure. Every relay is equipped with an indicator (yellow LED) that lights up in normal rest position, that means upper limiting value is not exceeded.
Commissioning:	During the set up of the power supply the indicator in the left display shows a small blinking " u " that characterizes the undefined condition. As soon as the temperature sensor has detected the first value, this value is shown in the display.
Display:	Range of indication: -9° C to 125° C. As a result of the two-digit design of the indicator, temperature values lower than -9° C and higher than 99 °C can not be displayed. Temperatures lower than -9° C are indicated by "". Temperatures higher than 99 °C are indicated by blinking. The blinking signalizes the indicated blinking value plus 100°C, e.g. a blinking "13" means 100°C + 13°C = 113°C
Fault indication:	The combined operating and failure indication shows a failure code while blinking.
	Indication:Type of failureE1: Type of failure- Short circuit conductor 1 sensorE2: Type of failure- Short circuit conductor 2 sensorE3: Type of failure- Sensor defectiveE4: Type of failure- Sensor short circuit