

**Outside Temperature Sensor**

Active sensor (4...20 mA) for measuring temperature in outdoor areas, in cold stores, greenhouses, production plants and warehouses. NEMA 4X / IP65 rated enclosure.


**Type Overview**

Type	Output signal active temperature	Additional features
22UT-14	4...20 mA	External sensor

**Technical Data**

<b>Electrical data</b>	Power Supply DC	15...24 V, $\pm 10\%$ , 0.5 W		
	Electrical connection	Removable spring loaded terminal block max. 2.5 mm <sup>2</sup>		
	Cable entry	Cable gland PG11 $\varnothing 6...10$ mm, with strain relief $\varnothing 6...8$ mm		
<b>Functional data</b>	Multirange	8 measuring ranges selectable		
	Output signal active note	Current output: max. 500 $\Omega$ load		
	Media	Air		
<b>Measuring data</b>	Measured values	Temperature		
	Measuring range temperature	Active sensor: range selectable Attention: max. measuring temperature is restricted by max. medium temperature (see Safety data)		
	Setting	range [°C]	range [°F]	Factory setting
	S0	-50...50 °C	-30...130 °F	✓
	S1	-10...120 °C	0...250 °F	
	S2	0...50 °C	40...140 °F	
	S3	0...250 °C	30...480 °F	
	S4	-15...35 °C	0...100 °F	
	S5	0...100 °C	40...240 °F	
	S6	-20...80 °C	40...90 °F	
	S7	0...160 °C	0...150 °F	
<b>Materials</b>	Accuracy temperature active	$\pm 0.5$ °C @ 21 °C		
	Cable gland	PA6, white		
	Mounting plate	Lexan, silvergray RAL7001		
	Housing	Cover: Lexan, white Bottom: Lexan, white Seal: 0467 NBR70, black		

<b>Safety data</b>	Ambient humidity	85% r.H., non-condensing
	Ambient temperature	-35...50 °C [-30...120 °F]
	Medium temperature	-35...50 °C [-30...120 °F]
	Housing surface temperature	Max. 70 °C [160 °F]
	Protection class IEC/EN	III Safety Extra-Low Voltage (SELV)
	Protection class UL	UL Class 2 Supply
	EU Conformity	CE Marking
	Certification IEC/EN	IEC/EN 60730-1 and IEC/EN 60730-2-9
	Certification UL	pending
	Degree of protection IEC/EN	IP65
	Degree of protection NEMA/UL	NEMA 4X
	Quality Standard	ISO 9001
	Weight	0.11 kg

**Safety notes**


The installation and assembly of electrical equipment should only be performed by authorized personnel.

The product should only be used for the intended application. Unauthorised modifications are prohibited! The product must not be used in relation with any equipment that in case of a failure may threaten, directly or indirectly, human health or life or result in danger to human beings, animals or assets. Ensure all power is disconnected before installing. Do not connect to live/operating equipment.

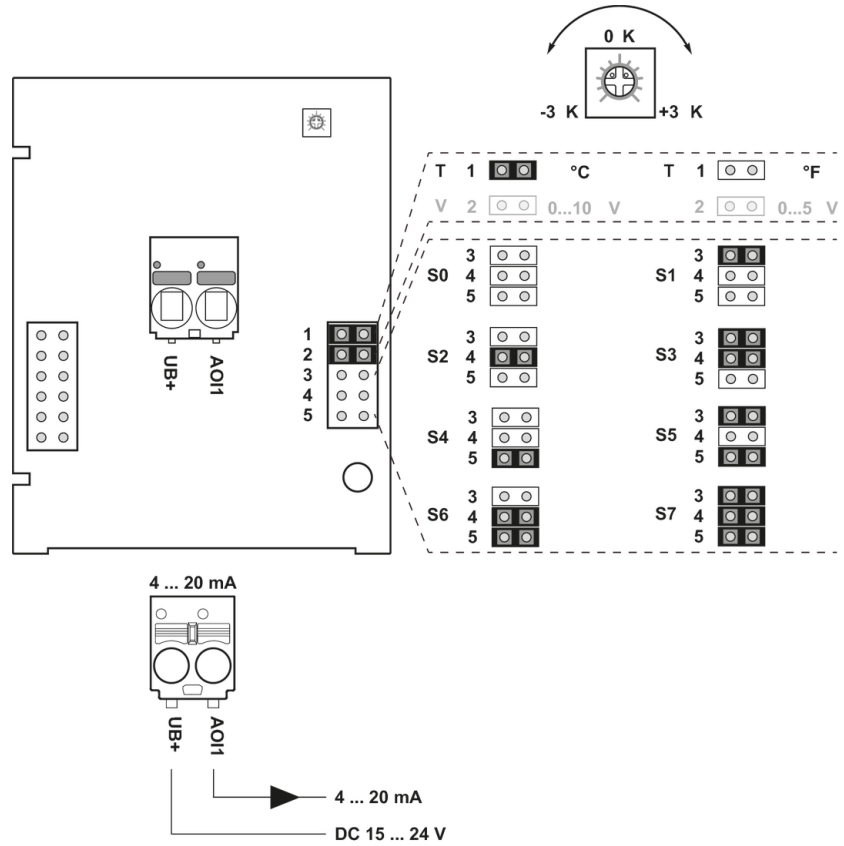
Please comply with

- Local laws, health & safety regulations, technical standards and regulations
- Condition of the device at the time of installation, to ensure safe installation
- This data sheet and installation manual

**Accessories**

<b>Scope of delivery</b>	Mounting plate Dowel Screws
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Wiring diagram



The adjustment of the measuring ranges is made by changing the bonding jumpers. The output value in the new measuring range is available after 2 seconds.

Setting	range [°C]	range [°F]	Factory setting
S0	-50...50 °C	-30...130 °F	✓
S1	-10...120 °C	0...250 °F	
S2	0...50 °C	40...140 °F	
S3	0...250 °C	30...480 °F	
S4	-15...35 °C	0...100 °F	
S5	0...100 °C	40...240 °F	
S6	-20...80 °C	40...90 °F	
S7	0...160 °C	0...150 °F	

Dimensions

