

Outside Temperature Sensor

Active sensor (0...10 V) for measuring temperature in outdoor areas, in cold stores, greenhouses, production plants and warehouses. NEMA 4X / IP65 rated enclosure.





rview

Туре	Output signal active temperature	Additional features
22UT-12	DC 05 V, DC 010 V	External sensor

Technical Data		
Electrical data	Power Supply DC	1524 V, ±10%, 0.5 W
	Power Supply AC	24 V, ±10%, 0.8 VA
	Electrical connection	Removable spring loaded terminal block max. 2.5 mm ²
	Cable entry	cable gland PG11 Ø610 mm, with strain relief Ø68 mm
Functional data	Multirange	YES
	Output signal active note	Output DC 05/10 V with Jumper adjustable Voltage output: min. 5 k Ω load
	Media	Air
Measuring data	Measured values	Temperature
	Measuring range temperature	range selectable Setting range [°C] range [°F] Factory setting
		S0 -5050 °C -30130 °F
		\$1
	Accuracy temperature	±1% of measuring range @ 21 °C
Materials	Cable gland PA6, white	PA6, white
	Mounting plate	Lexan, silvergray RAL7001
	Housing	Cover: Lexan, white Bottom: Lexan, white Seal: 0467 NBR70, black



Sensor Datasheet 22UT-12

Safety data

Ambient humidity	85% r.h., non-condensing	
Ambient Temperature	-3550 °C [-30122 °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

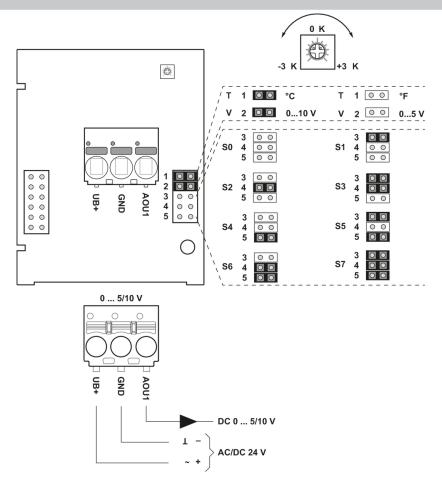
Accessories

Scope of delivery

Mounting plate Dowel Screws



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	-5050 °C	-30130 °F	~ ~
S1	-10120 °C	40140 °F	
S2	050 °C	40140 °F	
S3	0250 °C	30480 °F	
S4	-1535 °C	0100 °F	
S5	0100 °C	40240 °F	
S6	-2080 °C	4090 °F	
S7	0160 °C	0150 °F	



Dimensions

