

4X / IP65 rated enclosure.

With external sensor probe for measuring temperature in outdoor areas. Typical applications at cold stores, greenhouses, production plants and warehouses. NEMA

Technical data sheet

01UT-1..X





Type Overview

	Туре Оц	tput signal passive temperature	Additional features	
	01UT-1A0X	Pt100	External sensor	
	01UT-1B0X	Pt1000	External sensor	
Technical Data				
Electrical data	Electrical connection	Pluggable spring 2.5 mm²	Pluggable spring loaded terminal block max. 2.5 mm²	
	Cable entry	Cable gland with s	Cable gland with strain relief Ø68 mm	
Functional data	Application	Air		
	Output signal passive tempera	ture Pt100 Pt1000		
Measuring data	Measured values	Temperature		
	Measuring range temperature		-3550°C [-30120°F]	
	Accuracy temperature passive	Class B, ±0.3°C @	Class B, ±0.3°C @ 0°C [±0.5°F @ 32° F]	
	Measuring current		Pt100: <1 mA @ 0°C [32°F] Pt1000: <0.3 mA @ 0°C [32°F]	
	Time constant τ (63%) in the ro	om Typical 420 s		
Materials	Cable gland	PA6, white		
	Mounting plate	PC, grey RAL7001	PC, grey RAL7001	
	Housing	Cover: PC, white Bottom: PC, white Seal: NBR70, blacl UV resistant		
Safety data	Ambient humidity	Max. 95% RH, nor	n-condensing	
	Ambient temperature	-3550°C [-3012	-3550°C [-30120°F]	
	Fluid temperature	-3550°C [-3012	-3550°C [-30120°F]	
	Housing surface temperature	Max. 70°C [160°F]	Max. 70°C [160°F]	
	Protection class IEC/EN	III, Protective Extr	III, Protective Extra-Low Voltage (PELV)	
	Power source UL	Class 2 Supply	Class 2 Supply	
	EU Conformity	CE Marking	CE Marking	
	Certification IEC/EN	IEC/EN 60730-1	IEC/EN 60730-1	
	Degree of protection IEC/EN	IP65	IP65	
	Degree of protection NEMA/UL	NEMA 4X	NEMA 4X	
	Enclosure	UL Enclosure Type	UL Enclosure Type 4X	
	Quality Standard	ISO 9001	ISO 9001	
	Mode of operation	Туре 1		
	Pollution degree	3		



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Safety data Rated impulse voltage supply

Construction

0.8 kV Independently mounted control

Safety notes



This device has been designed for use in stationary heating, ventilation and air-conditioning systems and must not be used outside the specified field of application. Unauthorised modifications are prohibited. The product must not be used in relation with any equipment that in case of a failure may threaten humans, animals or assets.

Ensure all power is disconnected before installing. Do not connect to live/operating equipment.

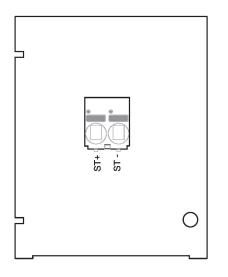
Only authorised specialists may carry out installation. All applicable legal or institutional installation regulations must be complied during installation.

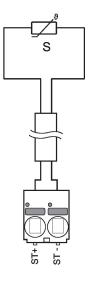
The device contains electrical and electronic components and must not be disposed of as household refuse. All locally valid regulations and requirements must be observed.

Remarks

Remarks			
General remarks concerning sensors	Due to self-heating with 2 wire passive sensors, the supply wire current affects the measurement accuracy. So the supply current should not be higher than the measuring current values specified in this data sheet.		
	When using lengthy connecting cables (depending on the cross section used), the cable resistance must be taken into account. The lower the impedance of the sensor used, the greater the effect of the line resistance on the measurement, because it generates an offset.		
Scope of delivery			
Scope of delivery	Description	Туре	
	Mounting plate S housing	A-22D-A09	
	Dowel		
	Screws		
Accessories			
Optional accessories	Description	Туре	
	Connection adapter, M20x1.5, for cable 1x6 mm, Multipack 10 pcs.	A-22G-A01.1	

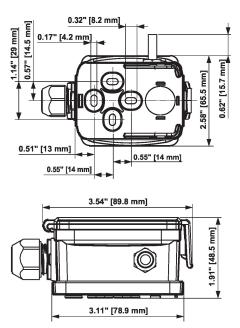
Wiring diagram







Dimensions



Туре	Probe length	Weight
01UT-1A0X	25 mm	0.12 kg
01UT-1B0X	25 mm	0.12 kg