FENIKS BB

Certificate ISO 9001:2000

Description

Duct temperature sensor is used for temperature measuring in air ducts for heating, ventilation and air conditioning plants. NTC thermistor as passive or Pt-100 thermistor as active elements is applied as sensing elements.

Types

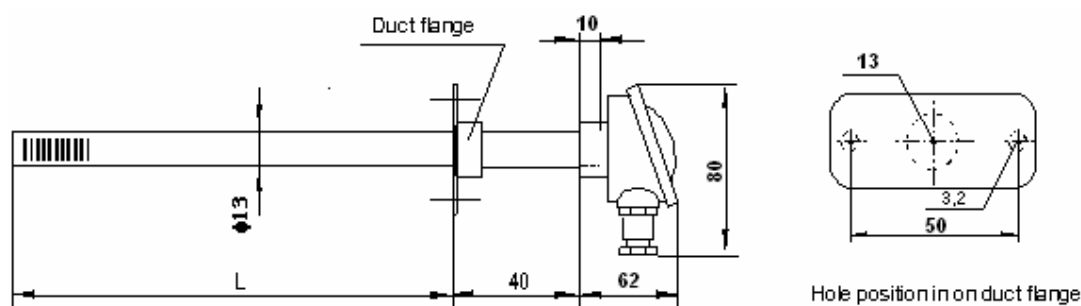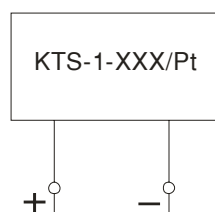|	
Probe length L=220mm	KTS-1
Probe length L=450mm	KTS-1-450
Probe length L=xxxmm	KTS-1-xxx
Sensing element (Pt 100)	KTS-1-xxx/Pt

Technical data

	NTC	Pt-100
* Type of sensing element:	NTC	Pt-100
* Measuring range:	-40°C …+60°C	0°C… +200°C
* Nominal resistance value:	2k2Ω (t=25°C)	100 Ω (t=0°C)
* Degree of protection:	IP 65	IP 65
* Housing material:	AlSi12	AlSi12
* Probe material:	Brass	Brass
* Cable inlet:	Pg 11	Pg 11
* Transmitter output signal:	-	4-20mA
* Power supply:	5V DC	External supply 24V DC; 50mA

Fitting instruction

Duct temperature sensor KTS-1 should be mounted in the middle of the air ducts. Duct flange is fitting on the air ducts by meaning of two screws through Ø3,2mm holes on the duct flange. In the case of horizontal fitting, cable connection must be faced down. If the sensor has already been fitted, sensing element could be replaced without removing the whole sensor. Connection terminals are for wires up to 1,5mm^2 according to wiring diagram through Pg 11 cable screw fitting. The maximum wire length is 100m.
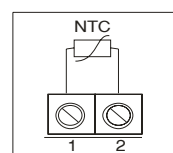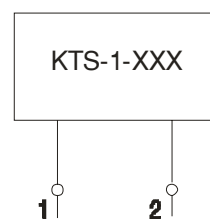
Hole position in on duct flange

Wiring diagram

KTS-1-XXX/Pt

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$\oplus$ …external power supply 24V DC; 50mA
$\ominus$ …output signal 4-20mA

Wiring diagram

KTS-1-XXX

1   2

NTC

1   2