



# EU/EC DECLARATION OF CONFORMITY

issued according to the law no. 22/1997 Col., as amended

**SENSIT s.r.o**  
**Školní 2610**  
**756 61 Rožnov pod Radhoštěm**  
**IČ 64087484**

hereby declares

that the characteristics of the below-listed products meet the requirements of the basic safety principles and the requirements of the technical documentation and that they are safe for the determined purpose of use under the condition of proper installation, operation and maintenance. All products introduced to the market were subject to measures taken to guarantee their conformity with the technical documentation and with the basic requirements of the technical standards listed below.

**Name of the product:** TFA temperature switches

**Type:** TFA 220A, TFA 220K, TFA 220C a TFA 220P

## Description and usage:

These temperature switches are designed for using as two-state controllers (ON/OFF type control). They compare the temperature set-point with the measured temperature and make possible to switch the galvanically separated relay contacts when the set temperature value is reached. The temperature set point is adjusted by producer on the base of the customer requirement. The sensors meet the IP 65 ingress protection requirements according to ČSN EN 60 529 norm. The sensors are designed to be operated in chemically non-aggressive environment. From the point of view the sensing element location and usage of switches following versions can be distinguished:

TFA 220A – for sensing temperature in the switch ambient

TFA 220K – for use in air condition equipments and in tubings; it is delivered together with plastic mounting clip, as an accessory can be delivered the stainless steel thermowell JS 130.

TFA 220C – for general application; the sensing element is provided by a cable for connection (standardly TG8-40, Ni1000/5000, 1m).

TFA 220P – contact version for fixing on pipelines; it is delivered with fastening strap and cover.

Standard measurement ranges in which the required temperature can be adjusted are –25 to 15 °C, 10 to 34 °C, 0 to 40 °C, 20 to 60 °C, 0 to 80 °C, 40 to 80 °C, 60 to 140 °C and 120 to 160 °C whereas the maximum temperature in the surroundings of the head of the TFA sensor is 70 °C and of the TFA 220P sensor is 110°C. For applications above 120 °C the switch TFA 220K is provided by a stem elongated by 60 mm as an accessory.

The product that is subject to this declaration is in accordance with the following norms and standards:

Council Directive 73/23/EEC of 19 February 1973 on the approximation of the laws of the Member States relating to electric devices designated for using in explicit voltage limits, as amended by Council Directive 93/68/EEC, that was implemented to the legal system of the Czech Republic by the government regulation no. 17/2003 Col.

Council Directive 89/336/EEC of 3 May 1989 on the approximation of the laws of the Member States relating to electromagnetic compatibility, as amended by Council Directive 92/31/EEC and Council Directive 93/68/EEC that were implemented to the legal system of the Czech Republic by the government regulation no. 18/2003 Col.

ČSN EN 61326-1:2006+Op1:2007, ČSN EN 61000-4-2:1997+A1:1999+Z1:2001, ČSN EN 61000-4-3:2003 ed.2+A1:2003 (level 10 V/m), ČSN EN 61000-4-4 ed.2:2005, ČSN EN 61000-4-5:1997+Z1:2001, ČSN EN 61000-4-6:1997+Z1:2001, ČSN EN 61000-4-11:2005, ČSN EN 61000-3-2 ed.3:2006  
ČSN 33 2000-4-41 a ČSN EN 60 529

The company is registered in the commercial register at a Commercial Court in Ostrava in the rubric C, enclosure 13728.

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Account number: 9536620217/0100  
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IČ: 64087484  
DIČ: CZ64087484

The declaration is issued on the base of the following certificates:

NV no. 18/2003 Col. registration no. 1268/70/07/BT/IZ/E from 2.7.2007, issued by ITI TÜV s.r.o., District office Ostrava, Teslova 2, Ostrava  
registration no. 1269/70/07/BT/IZ/E from 2.7.2007, issued by ITI TÜV s.r.o., District office Ostrava, Teslova 2, Ostrava  
test Certificate no. 6440-333/2007 from 20.6.2007, issued by VOP026 Šternberk, s.p., division VTÚPV Vyškov, V. Nejedlého 691, Vyškov

Rožnov pod Radhoštěm, date: 4.12.2007



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RNDr. Jan Janiček  
executive director of the company

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