

THERMOSTATS SERIES TH 810.2

Description

TH 810.2 is a temperature dependent single-pole switch working on the principle of unequal thermal dilatation of two different metals. The temperature sensitive element is the thermostat stem, which consists of a refractory tube. The required switching temperature is set by the manufacturer according to customer requirements.

Installation

Installation and connection of the thermostat to the electrical circuit may only be carried out by a person qualified according to Decree no. 50/1978 min. §6 or by a professional service worker. The following recommendations must be followed during installation:

- The thermostat sensor must be loosely connected to the grounded device into the TH is mounted
- The thermostat must be installed in such a way that it will not be damaged during installation or adapted to the installation conditions. Particular care must be taken to ensure that the thermostat stem is not bent or dislodged from the base plate
- Installation is carried out using a pull nut on the thermostat stem
- Thermostats must be installed in AB7, AE3, AM1, AN1, BE1 environments that are free of fumes or gases of chemicals that may damage thermostat parts
- Conductors to be fitted with pressed brass sleeves according to ČSN 37 1366

Intended usage

Thermostats are used to switch electrical circuits, but not as the main switch. The TH 810.2 thermostat is designed for DC loads. The thermostat is designed for use in the following devices:

- To signal excessive warming of diesel generator exhaust gases

Other uses must be consulted with the manufacturer. After installing the TH, follow the instructions in the manual of the appliance to which the TH is connected.

Technical data

Control range	-30 ÷ +300°C
Rated sensitivity	5÷40°C
Settings accuracy	±5% from control range
Contact load	24 V, 15 A
Permissible temperature of the stem	-40÷80°C
Permissible temperature of the head	0÷60°C
Weight	200 g
Impact resistance	5 g, 2÷2.5 c/s
Ingress protection of the head	IP 00
Contacts	Switching

Effect on the other products

As a result of the operation of the TH, there is a short-term voltage fluctuation at the contacts, which is superposed to the power supply wave shape.

Storage conditions

The packed thermostats must be stored in a dry room with a maximum humidity of 70% and a temperature of 0-30°C, without sudden temperature changes and without dew point formation on the metal parts of the thermostat. The room must be free from chemical or other agents that interfere with the stored products. Thermostats must be handled gently, without strong shocks or impacts.

Disposal

Dispose of the TH as follows: Take the TH to a scrap yard.

Warranty

Provided that the thermostat is installed, wired and used in accordance with the instructions in the installation and operating manual, the manufacturer warrants the thermostat in accordance with the applicable code, unless otherwise agreed.

The manufacturer will refuse warranty repairs of the unit has been damaged:

- During transport and storage by the customer or his customers
- During installation or dismantling on the equipment of the customer or his customers
- In case of improper handling an installation in equipment other than that is specified in the instructions
- If the thermostat has been exposed to an environment other than specified in the instructions

Warranty and post-warranty repairs

Warranty and post-warranty repairs are provided by the manufacturer. Pack the defective product and send it to following address:

APATOR POWOGAZ CZECHIA s.r.o.

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787 01 Šumperk
Czech Republic

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