



Building Energy

## UPONOR CLAMP ON SENSOR

### Introduction

This bimetallic contact THERMOSTAT is particularly suitable for temperature measurements on heating systems pipes.

### Conformity to the Standards

This product complies with:  
~EN 60730-1 and subsequent  
Revisions  
~EN 60730-2-9

### Conformity to the Guidelines

This product complies with:  
~B.T. 73/23/EEC  
~E.M.C. 89/336/EEC  
and later updating of 93/68/EEC

### Technical Data

Note that this data refers to tests performed on  $\varnothing$ 60mm pipes

TEMPERATURE RANGE =	20° ÷90°C
TEMPERATURE DIFFERENTIAL =	8±3K
DEGREE OF PROTECTION =	IP30
IMPULSIVE VOLTAGE =	2,5 KV
INSULATION CLASS =	I
TEMPERATURE RATE OF CHANGE =	<1K/min.
MAXIMUM HEAD TEMPERATURE =	80°C
STORAGE TEMPERATURE =	-15°C ÷60°C
OUTPUT =	Cut off or Switching contacts
CONTACTS RATING =	1-2 =16(2,5)A/250V~; 1-3 = 2,5A/250V~
SWITCH ACTION =	1B
POLLUTION DEGREE =	2
FAIRLEAD TYPE =	M20 X 1,5
MOUNTING =	On Pipes
GROUNDING WAY =	By Screw
MOUNTING WAY =	By Screw
FOR ELECTRICAL CONNECTIONS, USE CABLES	T<90°C cable H05 V2V2-F T>80°C cable N2GMH2G-J/O



## Installation and Connections

### WARNING:

All installation operations included in this manual must be carried out by qualified personnel only, strictly complying with all safety and law provisions in force and dispositions of the current standards.

### Safety Instructions

Before connecting the thermostat, make sure that the power supply voltage of the UNIT TO BE CONTROLLED (boiler, pump, etc.) IS NOT CONNECTED and that it matched the indication given inside the appliance (fig. 1)

Also make sure that the unit technical data (power supply, contact rating etc.) is suitable for the installation conditions (see 'Technical Data').

### Installation

Loosen the screw and remove the front cover (fig. 2)

Thread the power supply wires in the provided fairlead and connect them to the relevant terminal points as detailed below. (fig. 3)

Terminal 1 = Common Contact

Terminal 2 = Opens the circuit when temperature raises

Terminal 3 = Closes the circuit when the temperature raises

Adjust the temperature set point by rotating the cam (fig. 4)

Replace the front cover and tighten the screw (fig. 5)

Use the enclosed spring to lock the thermostat onto the pipe (fig. 6).

