

DEW POINT SENSOR

Model: TPS10



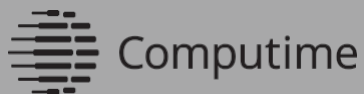
Quick guide



SALUS Controls, Units 8-10,
Northfield Business Park,
Forge Way, Parkgate
Rotherham, S60 1SD

SALUS Controls GmbH,
Dieselstrasse 34,
63165 Mülheim am Main,
Germany

www.saluscontrols.com



SALUS Controls is a member of Computime Group
In order to maintain a policy of continuous product development, SALUS Controls plc
reserves the right to change the specification, design and materials of the products listed
in this brochure without prior notice.



V01
III/2025

Introduction

The TPS10 is based on the conductivity measurement principle and is used to detect the risk of condensation when conditions are favourable for dew point formation. By means of a special, highly flexible, high-tech foil with special thermal properties an excellent response sensitivity is achieved. The sensor is mounted on the lap pipe of the cooling circuit. As the temperature difference between the cooling medium and the surrounding air increases even at low air humidity there is a risk of condensation.

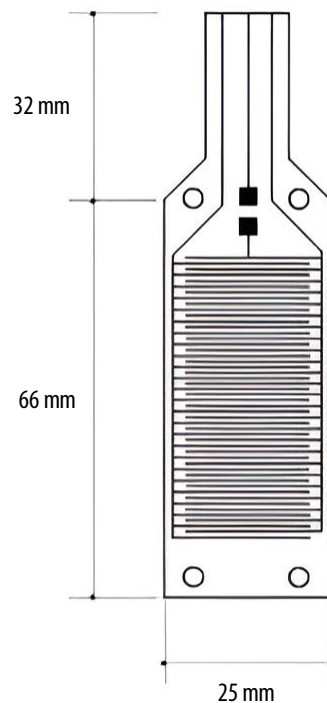
The TPS10 can be used in conjunction with our products such as the RM-16A power relay; (utilising the COM - NO potential free input), the SR600 intelligent relay (S1 - S2 input) or the WLS600 flood sensor. Together they form a sensitive measuring device that reacts to this condensation long before the human eye can detect this moisture in droplet form.



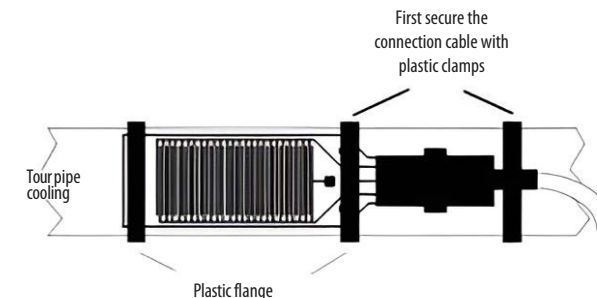
Information on product safety and functionality

When mounting the sensor to a pipe, DO NOT pass the mounting clamps through the openings in the sensor foil. The front of the sensor with the comb conductor pattern is required for moisture sensing and must be exposed. It must not be covered by insulation or come into contact with other electrical elements or other electrically conductive parts.

Dimensions



Installation



Note: For mounting, the sensor must be placed with the smooth side of the sensor on the back, with the entire sensor surface, on the cooling media lap and secured with the plastic clamps included in the package.

Fix the power cable first and then the sensor (see installation example in the adjacent sketch).

Electrical connection

TPS10 is supplied with a high quality connection cable (LiYY) 2x0.14 mm with a length of 10 m, which can be extended up to 20 m.



Compatibility with other Salus products



KL08RF/CB12RF



SR600



WLS600



RM-16A