

# TEMPERATURE DETECTOR FOR WINDOWS

## STV Eng.

- **NTC temperature sensing element**
- **Measurement range:**  
– 0... 40 °C
- **Installation:**  
– in contact with glass



### 1. APPLICATION

For measuring temperature on windows in order to calculate dew point.  
The sensing element is housed in a shockproof enclosure and is connected directly to a bipolar electric cable.  
The enclosure is easily attached to the glass by means of the adhesive pad supplied.

### 2. MODEL AVAILABLE

Code	Description	Range	Sensing element	Max. length cables of:		
				1mm <sup>2</sup>	1.5 mm <sup>2</sup>	2.5 mm <sup>2</sup>
STV 010	Temperature detector for windows	0... 40 °C	NTC 10 kΩ	700 m	1000 m	2000 m

### 3. TECHNICAL DATA

Temperature sensing element:				
Type	see table in 2 above	Installation		directly on glass
Temperature constant	1 min.	Construction standards		Italian Electr. Coimmittee (CEI)
Range	see table in 2 above	Materials:		
Protection	IP 54	Enclosure		plastic
Cable dimensions	2 x 0.5 mm <sup>2</sup> X 1.5 m	Weight		90 g.

### 4. INSTALLATION

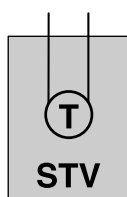
- STV must be installed directly on the glass, in a suitable position .
- Fix the enclosure to the glass, ensuring that it is secure.
  - Carry out the electric wiring in strict accordance with the diagram and with the safety regulations in force, using cables of the appropriate diameter, (**NOT telephone or similar cables**); see table in 2 above.

**Warning:**

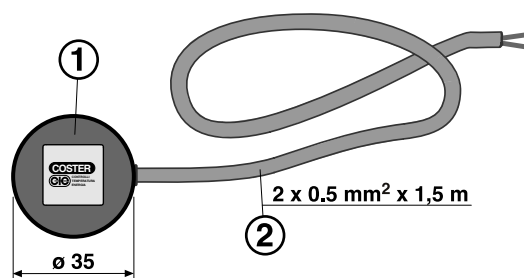
- **Cable length: the distances given in the table under 2 above must be strictly observed for the sensor to work properly.**
- **Connection of several sensors by a single multicore cable: in this event, all the sensors must be of COSTER manufacture.**
- **For correct temperature sensing, the installation instructions must be followed to the letter.**

### 5. WIRING DIAGRAM

**CONNECTING WIRES**

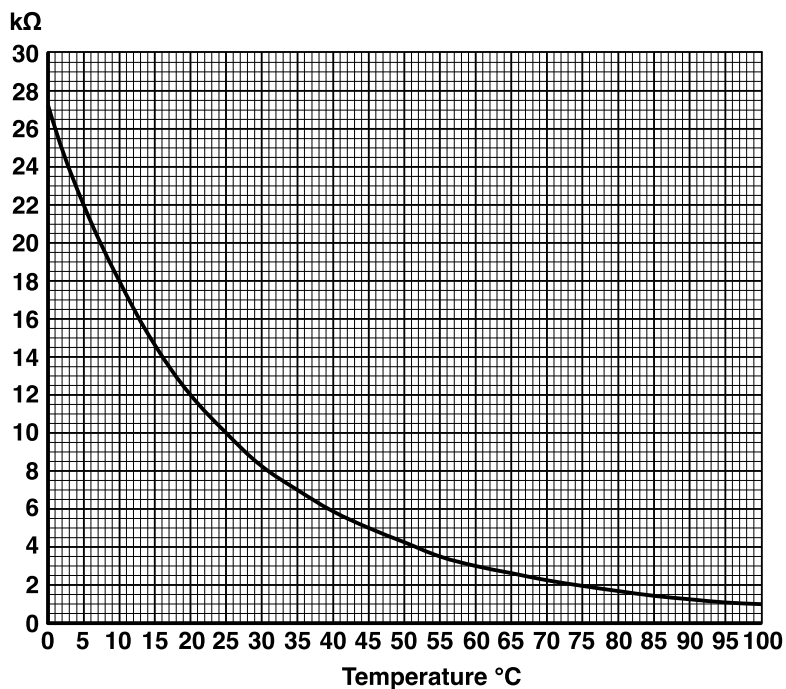


### 6. DESCRIPTION / OVERALL DIMENSIONS



1 – Enclosure for sensing element  
2 – Connecting cable

7. NTC 10 KΩ SENSING ELEMENTS : TEMPERATURE /RESISTANCE



Amendments to version 13.11.01

Updated : MC 28.04.05

Page	Section	Amendments
1	General 4 Installation	Photograph enlarged. Text amended (connection instructions). Diagrams updated.
2	5/6 7 Diagram	Graph replaced (previously unclear).



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