



# INJECT RENEWABLES

## DATASHEET- AIR TEMPERATURE SENSOR



<b>Document Name</b>	<b>Ambient &amp; Humidity Sensor</b>
<b>Hardware Name</b>	<b>Temperature Sensor (TSSR)</b>
<b>Document Number &amp; Revision</b>	<b>IS-HW-SR-ATS-DS-001, Rev-0 (3 pages)</b>
<b>Document Type</b>	<b>Public</b>
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## 1. Introduction

It is an ambient temperature & Humidity Sensor with or without naturally aspirated, 6-plate radiation shield. Its louvered construction allows air to pass freely through the shield, serving to keep the probe at ambient temperature. The shield's white color reflects solar radiation.

The most effective passive shelter protects temperature sensor from solar radiation and other sources of radiated and reflected heat. It's a multi-plate construction for maximum airflow.

## 2. Specification of Sensor

Parameters	Specifications
Construction	UV-stabilized white thermoplastic plates, aluminum mounting bracket, white powder-coated, stainless-steel U-bolt clamp
Plate Shape	Oval
Plate Size	195mm, 210mm
Plate Height	28mm
Measuring Range	0 to 100 ° C
Accuracy	± 0.3 ° C
Output	4 to 20mA, 0 to 1VDC, 0 to 5VDC, 0 to 10VDC,
Supply Voltage	12 to 24VDC
Housing Electronics	ABS Plastic watertight enclosure
Sensors Type	Temperature: Chip
Response	<15 sec without filter



**3. Order Code**

<b>Model No</b>	<b>OUTPUT</b>		<b>CABLE LENGTH</b>	
TSSR-01	4 to 20mA		3M	3 meter
TSSR-01	1V	0 to 1VOLTS	5M	5 meter
TSSR-01	5V	0 to 5VOLTS		
TSSR-01	10V	0 to 10VOLTS		

**Example Code:**

**TSSR-01-1V-3M**

Model No	Output	Cable Length
TSSR-01	1V	3METER

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