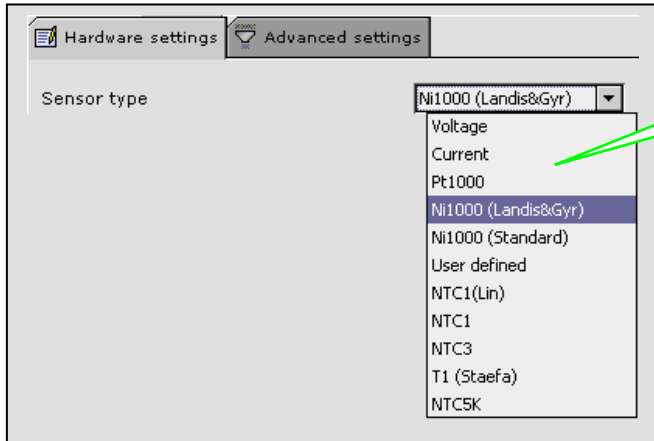


EN-20: Analogue input sensor types

- Each analogue input channel of a Vykon HVAC module can be configured to one of a number of analogue sensor types. The firmware of the module contains some pre-programmed lookup tables that represent popular sensors which are described in this engineering note. By using these sensor types the configuration process is simplified because the lookup table does not need entering and in operation, the I/O module returns a real value from the sensor thereby eliminating any conversion processing within the station runtime.



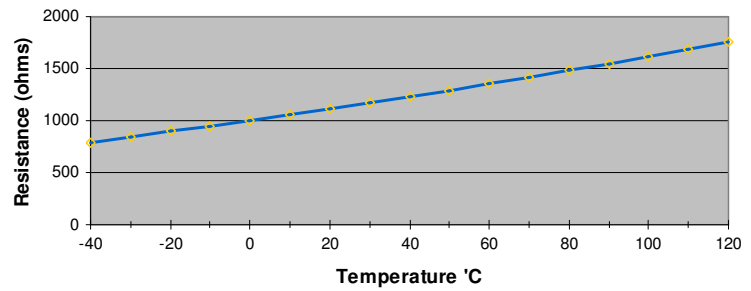
Note:
Each analogue input channel can be set to one of these choices

... and here are each of the sensor choices

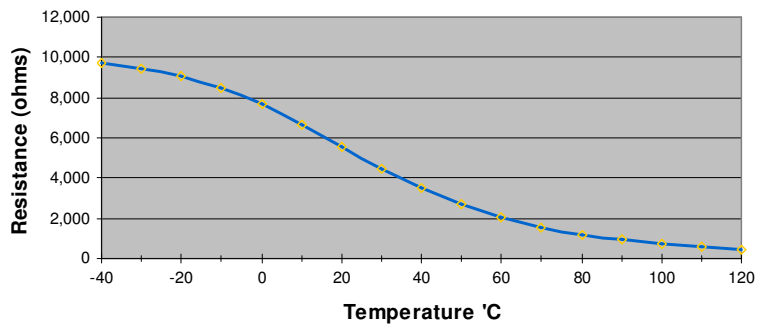
<p>Sensor type: Pt1000 Type: Platinum 'Sontay' ref: E-PT1000A Coefficient: Positive Used by: Johnson Controls, Saia, Honeywell</p>	
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<p>Sensor type: Ni1000 (Landis&Gyr) Type: Platinum 'Sontay' ref: G-LAN1 Coefficient: Positive Used by: Landis, Siemens, Staeafa</p>	
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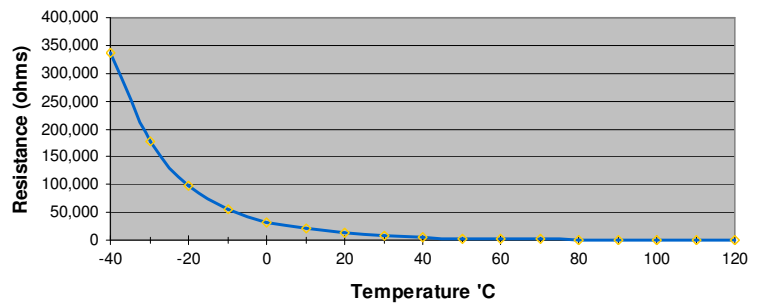
Sensor type: Ni1000 (Standard)
Type: Platinum
'Sontay' ref: F-NI1000
Coefficient: Positive
Used by: Various



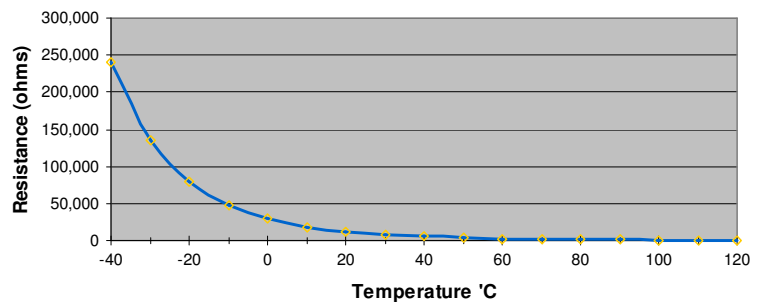
Sensor type: NTC1 Lin
Type: Thermistor
'Sontay' ref: H-SAT1
Coefficient: Negative
Used by: Satchwell, Invensys, TAC



Sensor type: NTC1
Type: Thermistor
'Sontay' ref: 10K3A1
Coefficient: Negative
Used by: Johnson Controls, Saia, Trend



Sensor type: NTC3
Type: Thermistor
'Sontay' ref: 10K4A1
Coefficient: Negative
Used by: Robertshaw, Siebe, Niagara "Type3 curve"



Sensor type: T1 (Staefa)

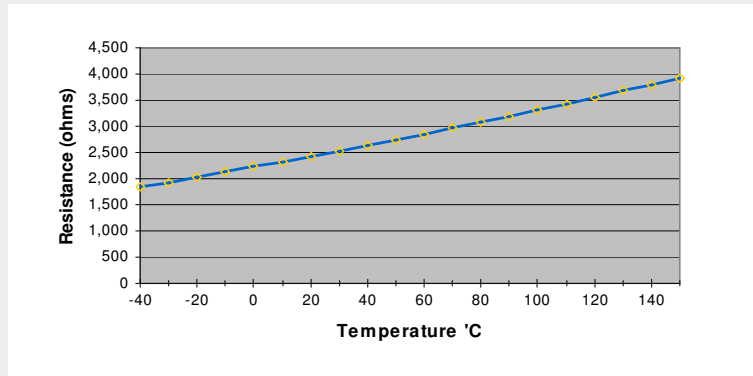
Type: Thermistor

'Sontay' ref: STA1

Coefficient: Positive

Used by: Staefa

Notes
Introduced with
Vykon HVAC Release 2.2
Available in 8AI and
Multi-IO modules v8.20
and above



Sensor type: NTC5K

Type: Thermistor

Coefficient: Negative

Used by: Various

Notes
Introduced with
Vykon HVAC Release 2.2
Available in 8AI and
Multi-IO modules v8.20
and above

