

■ SENSIS | ELECTRONIC DEVICE

Sensis is an IIoT device designed to detect temperatures in up to three critical zones and monitor the efficiency of ventilation and cooling systems for more efficient thermal management of the electrical cabinet. It can be used to display real-time climate data aboard the machine even remotely and track trends over time to plan predictive maintenance.



WIRING

Simple and user-friendly via clamps arranged in the upper part

DESIGN

Compact device for managing various complex functions

DISPLAY

Backlit for setting up and displaying climate data locally

INTEROPERABILITY

With the main fieldbuses or network

ACCURATE MEASUREMENTS

Using integrated sensors and additional ventilation and temperature probes

PREDICTIVE MAINTENANCE

Data logging for diagnostic purposes

APPROVALS



Details that make the difference



Display for set-up and climate data



Dashboard



DIN rail mounting



NO-NC Thermostats

- Versions available: NC (red disc) with normally closed contact to control heating systems and NO (blue disc) with normally open contact to control cooling systems
- Patented snap-on fastening system on DIN rails TS35/15/32
- Wide temperature setting range with Celsius (°C) or Fahrenheit (°F) scales
- Disc setting by hand or tool
- Standard colour RAL 7035



Model	Rated Voltage	Rated Current	Max Contact Current	Setting Range	Approvals
		A	A		
TRT-10A230V-NC	110-250 V a.c.; 60 V d.c.	10	15	-10÷80 °C	cURus
TRT-10A230V-NCF	110-250 V a.c.; 60 V d.c.	10	15	14÷176 °F	cURus
TRT-10A230V-NO	110-250 V a.c.; 60 V d.c.	10	15	-10÷80 °C	cURus
TRT-10A230V-NOF	110-250 V a.c.; 60 V d.c.	10	15	14÷176 °F	cURus



Twin thermostats

- Available with Normally Closed/Normally Open (NC/NO), Normally Closed/Normally Closed (NC/NC) and Normally Open/Normally Open (NO/NO)
- Separate adjustment and operation of the devices
- Snap-on fastening system on DIN rail TS35
- Wide temperature range with Celsius (°C) or Fahrenheit (°F) scales
- Disc setting by hand or tool
- Standard colour RAL 7035



Model	Rated Voltage	Rated Current	Max Contact Current	Setting Range	Approvals
		A	A		
TRT2-10A230V-NCNC	110-250 V a.c.; 60 V d.c.	10	15/15	-10÷80 °C	cURus
TRT2-10A230V-NCNCF	110-250 V a.c.; 60 V d.c.	10	15/15	14÷176 °F	cURus
TRT2-10A230V-NCNO	110-250 V a.c.; 60 V d.c.	10	15/15	-10÷80 °C	cURus
TRT2-10A230V-NCNOF	110-250 V a.c.; 60 V d.c.	10	15/15	14÷176 °F	cURus
TRT2-10A230V-NONO	110-250 V a.c.; 60 V d.c.	10	15/15	-10÷80 °C	cURus
TRT2-10A230V-NONOF	110-250 V a.c.; 60 V d.c.	10	15/15	14÷176 °F	cURus



Change-over thermostat

- Change over contact
- Snap-on fastening system DIN rail TS35
- Standard colour RAL 7035



Model	Rated Voltage	Rated Current	Max Contact Current	Setting Range
		A	A	°C
TRT-230V-S01	230 V a.c.	Heating a.c. 10(4) -Cooling a.c. 5(2)	10	5÷60



Hygrostats

- Snap-on fastening system on DIN rail TS35
- Disc setting by hand or tool
- Standard colour RAL 7035
- UL approved till max 80% RH



Model	Rated Voltage	Rated Current	Setting Range	Approvals
		A	% RH	
IGR35F	120-240 V a.c.	10-5	10-90	cURus



Sensis - Electronic device for thermal management

- Regulates, monitors, manages, communicates
- Acquisition and management of temperature parameters in three different points (probes included), relative humidity, ventilation efficiency, door limit switch status
- Supervision in interoperability with the main industrial field buses and MQTT / OPCUA versions
- Historical and basic statistical data that can be used remotely
- Snap fastening system for DIN rail
- Standard colour RAL 7035
- Compact dimensions: 98x35x120 mm
- Rated voltage: 24 Vd.c.

Model	Version	Approvals
SNS00U00	Sensis stand alone (no interface)	cULus
SNS01U00	Sensis Modbus RTU	cULus
SNS02U00	Sensis Profinet	cULus
SNS02UM00	Sensis Profinet MQTT	cULus
SNS03U00	Sensis ASI	cULus
SNS04U00	Sensis CAN-OPEN	cULus
SNS05U00	Sensis CC link	cULus
SNS06U00	Sensis Ethercat	cULus
SNS07U00	Sensis Modbus/TCP	cULus
SNS08U00	Sensis Profibus	cULus
SNS09U00	Sensis SERCOS III	cULus
SNS10U00	Sensis IO LINK	cULus
SNS11U00	Sensis EtherNet/IP	cULus
SNS11UM00	Sensis EtherNet/IP MQTT	cULus
SNS12U00	Sensis VARAN	cULus
SNS13U00	Sensis POWERLINK	cULus

Accessories - Sensis

- SNSTU00: Probe for detecting temperature in the most critical points of the cabinet
- Type of sensor: ntc, magnetic fixing, cable 1500mm
- SNSWU00: Probe for detecting air speed in the cooling flow
- Type of sensor: electronic, clip fixing, cable 1500mm



Model	Version
SNSTU00	Temperature probe
SNSWU00	Airflow probe