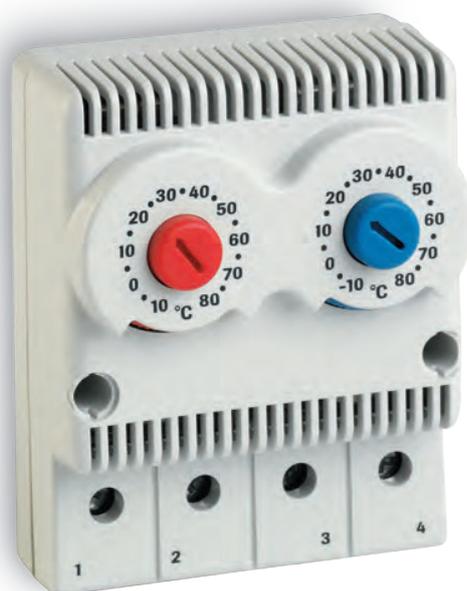


**AFFUGTNINGSVARMEELEGEMER**

---



**TERMOSTATER**

# SINGLE THERMOSTATS

The single thermostats meet the requirements for temperature control in the electrical cabinet. By adjusting the activation threshold, the thermostat can operate cooling or heating units while keeping the temperature above the dew point. They are available with closing, opening or change-over contact.



## VERSIONS

Available with normally closed, normally open and change-over contacts

## SET POINT

Wide temperature setting range with Celsius or Fahrenheit scales

## ELECTRICAL CONNECTION

Screw terminals

## SIMPLE MOUNTING

Snap-on fastening system for DIN rails

## APPLICATIONS

Switching contact for fan filters, heaters and cooling unit or signal devices

## APPROVALS



### DETAILS THAT MAKE THE DIFFERENCE



°C and °F scales



Disk setting by hand or tool



Patented clip-on system

# TWIN THERMOSTATS

Twin thermostats are used where multiple drives are required. The unit integrates two independently operable devices into one compact assembly for simultaneously controlling heating, cooling or signalling devices via two knobs.



**SET POINT**  
Wide temperature setting range with Celsius or Fahrenheit scales

**VERSIONS**  
Available with normally closed/normally open, normally closed/normally closed and normally open/normally open contacts

**SIMPLE MOUNTING**  
Snap-on fastening system for 35mm DIN rails

**DUAL SYSTEM**  
Separate adjustment and operation

**APPLICATIONS**  
Switching contact for fan filters, heaters and cooling unit or signal devices

**ELECTRICAL CONNECTION**  
Screw terminals



## MODEL NUMBERING SYSTEM FOR SINGLE AND TWIN THERMOSTATS

<i>description</i>	TRT	10A	230V	-	NC	F	PA00	<i>description</i>
<b>FAMILY TRT</b> TRT = single thermostat TRT2 = twin thermostat								<b>CUSTOM SERIES</b> PA** = custom version
<b>RATED CURRENT</b>								<b>SCALE</b> ( ) = °C (Celsius) F = °F (Fahrenheit)
<b>RATED VOLTAGE</b>								
<b>VERSION</b> Single thermostat NC = Normally Closed NO = Normally Open	<b>Twin thermostat</b> NCNC = Normally Closed / Normally Closed NCNO = Normally Closed / Normally Open NONO = Normally Open / Normally Open							

# HYGROSTATS

Hygrostats detect the level of humidity in the air inside the electrical cabinet and operate the cooling or heating units when a set relative humidity value is exceeded to avoid the formation of condensation on the electrical components.



### ELECTRICAL CONNECTION

Screw terminals

### SIMPLE MOUNTING

Snap-on fastening system for 35mm DIN rails

### APPLICATIONS

Combined with heaters or fan filters for a precise control of humidity levels



## MODEL NUMBERING SYSTEM FOR HYGROSTATS

<i>description</i>	IGR	35	F	-	PA00	<i>description</i>
FAMILY <b>IGR</b> IGR = Hygrostat						<b>CUSTOM SERIES</b> PA** = custom version
<b>SUPPORT</b> 35mm DIN rail						<b>VERSION</b> F = Fandis

# H SERIES HEATERS WITH TERMINAL BLOCK

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

### 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	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



**ELVARME**

## **VORES PRODUKTSORTIMENT INKLUDERER:**



**AFFUGTNINGSVARMELEGEMER**



**AIR WARMERS**



**TEMPERATUR THERMASTATS**



**ELPATRONER**



**AIR DUCT HEATERS**



**AFFUGTNING**

## **VI FØRER PRODUKTER INDENFOR KATEGORIERNE:**



**AUTOMATIK**



**HVAC & BYGNINGS-  
AUTOMATIK**



**KØLEPROFILER**



**NEWTRONIC**

Ove Jensens Alle 35 F  
DK-8700 Horsens  
Denmark  
[www.newtronic.eu](http://www.newtronic.eu)  
[www.newtronic.dk](http://www.newtronic.dk)  
+45 7669 7090