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senSIS

ELECTRONIC THERMAL MANAGEMENT DEVICE



New IIoT device for enclosure thermal management



The Thermal Management in a single device.

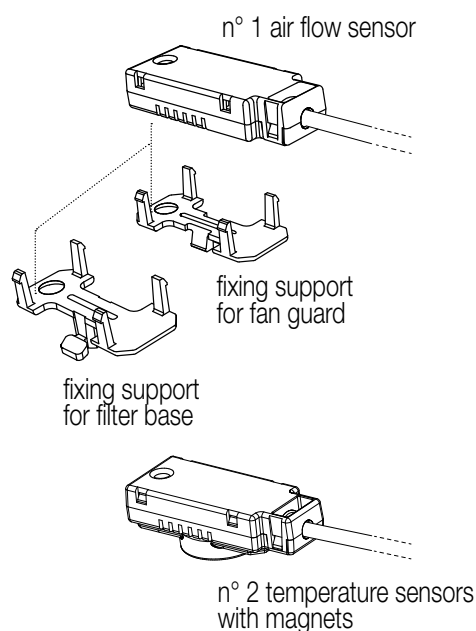
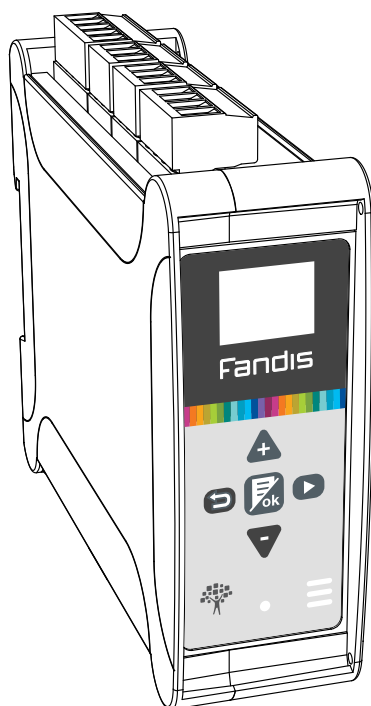
Sensis is Fandis's response to the need for climate control, predictive maintenance and interconnectivity.

Electrical panels are a key element in industrial plants and machinery, handling data on energy distribution, process control, and storage of information.

It's essential to keep climatic conditions inside electrical panels under control, keeping installed components in the right conditions to prevent damaging shutdowns.



MODELS AND ACCESSORIES



Models

Sensis stand alone (no interface)	SNS00U00X
Sensis Modbus RTU	SNS01U00X
Sensis PROFINET	SNS02U00X
Sensis EtherCat	SNS06U00X
Sensis Modbus/TCP	SNS07U00X
Sensis Profibus	SNS08U00X
Sensis EtherNet/IP	SNS11U00X

UL versions available on request.

Technical Data

Rated current	150mA
Rated voltage	24 V DC
Rated power	3.6W
Operating temperature	-10°C (14°F) ÷ 55°C (131°F)
Storage temperature	-25°C (-13°F) ÷ 70°C (158°F)
Humidity	up to 99% non-condensing
Pollution degree	2
Overvoltage category	II

For more information:
www.fandis.com/lp/sensis/en

Sensis regulates, monitors and manages temperature parameters, interacting in real time, both locally and via remote, with a fieldbus.



REGULATES

MANAGEMENT, TEMPERATURE AND HUMIDITY

- Measures temperature at 3 points on the electrical panel.
- Cross-checks temperature and relative humidity values.
- Monitors the efficiency of ventilation systems.



MONITORS

PREDICTIVE MAINTENANCE AND DIAGNOSTICS

- Foresees failures and malfunctioning of components in the electrical panel.
- Records the time, date and duration of events detected.
- Cross-checks information for predictive diagnostics.

BENEFITS

- A single device of limited dimensions managing a variety of complex functions
- Interoperability with the principal field buses.
- Recording of events and big data for predictive maintenance
- Hysteresis may be programmed on the basis of the electrical panel's thermal load
- Also applicable to existent plants (revamping)
- Simple, intuitive wiring

T-Ready DIAGNOSTICS Regulation humidity interactivity CLIMATE CONTROL 4.0

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MANAGES

THE BALANCE BETWEEN INSIDE AND OUTSIDE

- Correlates climatic quantities inside and outside the electrical panel.
- Supervises actuators' efficiency.
- Maintains optimal operating conditions in the electrical panel.



COMMUNICATES

SO MANY MODELS. SO MUCH COMPATIBILITY.

- Available in plenty of different models and configurations.
- Compatible with the principal field buses.





Fandis
colors of engineering

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COMPANY WITH
QUALITY SYSTEM
CERTIFIED BY DNV GL
= ISO 9001 =

For more info:
www.fandis.com

