SensGuard

SENSE OF SECURITY
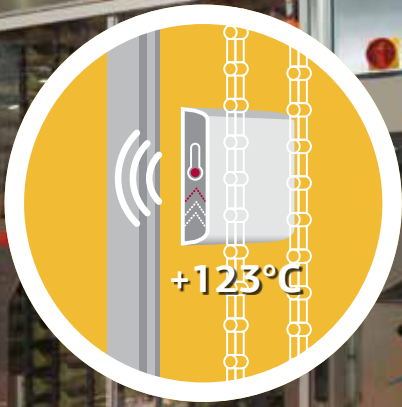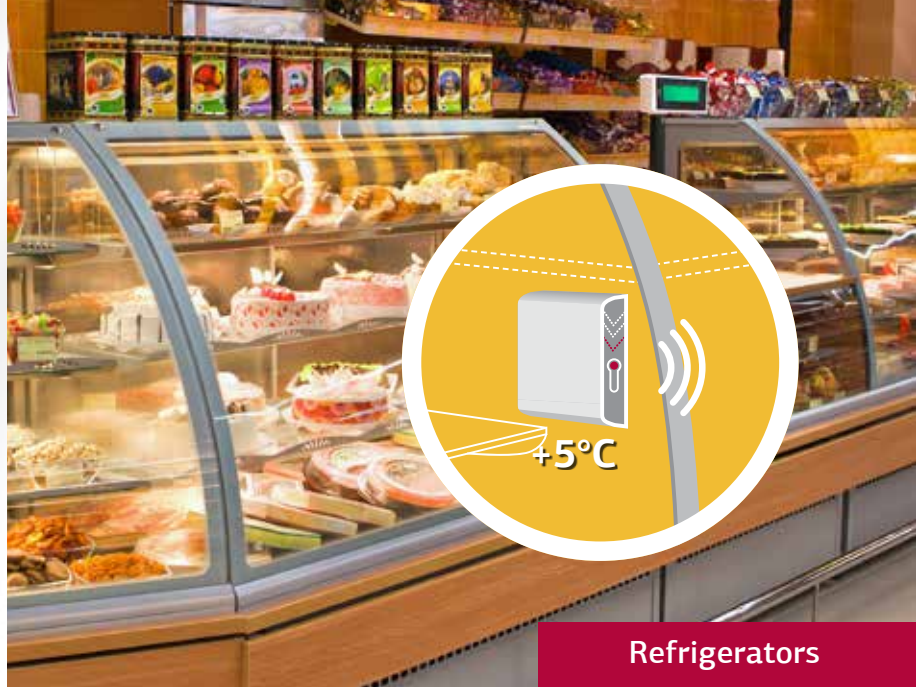
# )) Automated temperature control system for grocery stores and supermarkets

SensGuard temperature control system allows to automate thermal control and temperature control in refrigeration, freezing and baking equipment, as well as any other equipment that requires precise tracking of temperature.

**Baking equipment**

**+123°C**

**Refrigerators**

**+5°C**

# Where to use the system?

The system used in grocery stores and supermarkets, in the food production industry, in production storage warehouses.
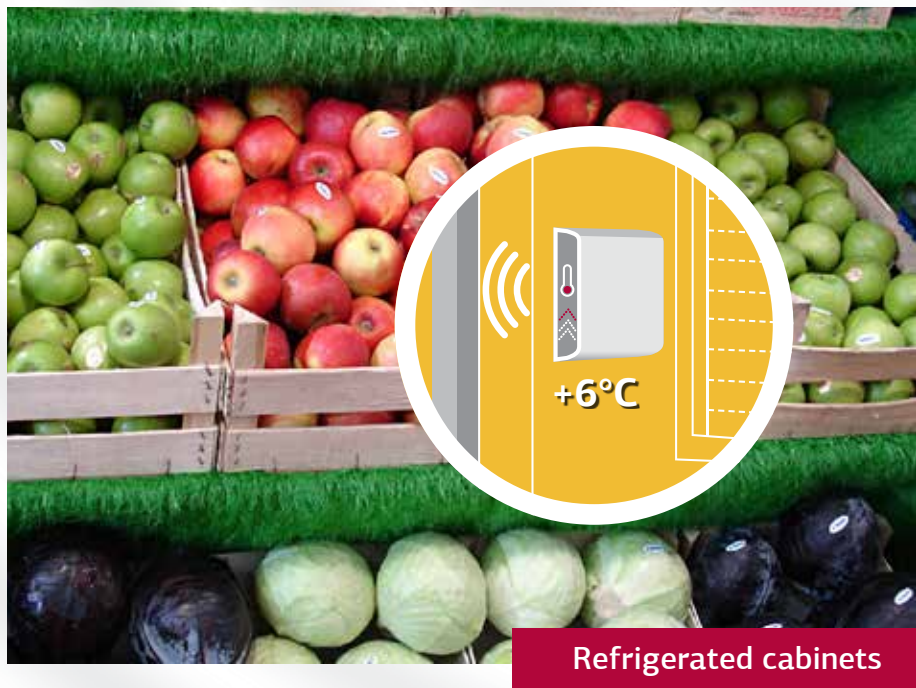
SensGuard wireless sensors can be installed into baking equipment, refrigerators and ice makers, freezers and drawers, refrigerated sideboards, refrigerated cabinets, freezing bonnets, as well as used in the premises for storing products.

**Special storage rooms**

**+10°C**

**Freezers**

**-23°C**

**Refrigerated cabinets**

**+6°C**

AUTOMATED TEMPERATURE CONTROL SYSTEM **SENSGUARD**

# Why there is a need to for the temperature control system?

Maintaining the optimal temperature in your refrigerators and freezers helps to save food fresh. If the temperature is out of the optimal range, then the products may be spoiled, which leads to losses and may affect the reputation of the company. SensGuard automated temperature control system allows you to monitor the temperature in refrigerators, freezers or even baking equipment and report when the temperature has exceeded the min/max settings.
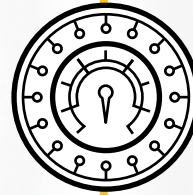
# How it works?

Automated temperature control system SensGuard consists of three components - wireless temperature sensors, data collector and online monitoring system. Wireless sensors are installed at the points of control and send data to the collector, which transmits the information to a central database via LAN or Internet. One data collector may service up to 200 sensors within a radius of 150 m (or up to 500 m, using signal repeaters). The data is automatically goes to the online monitoring system, where it is displayed in a variety of reports and charts. You can adjust the individual parameters of min/max of allowed temperature for each sensor, as well as an algorithm for determining the defrost mode for the refrigeration equipment. User will get automatic notifications about all temperature violations according to settings. All temperature violations recorded in the system and informs the user. Automated temperature control system SensGuard designed for monitoring large network of stores.

# Main benefits:

Built-in battery makes sensor work more than 5 years

Intelligent digital sensor measures the temperature with high accuracy

Easy wireless sensor installation - they can stick almost to any surface

Wireless sensors allow control temperature, even in hard accessible location or equipment

Timely e-mail notification about exceeding allowed temperature

Long communication range of wireless sensors makes placement very convenient

Radio channel encryption (AES-128 standard) does not allow to intercept the signal and interfere operation of the system

**EASY TO INSTALL, EASY TO USE, EASY TO MAINTAIN**

**Reduce products spoilage**
Get notified in real time when the temperature went out of allowed parameters.

**Save resources**
Temperature control system is fully automated and no more needed to carry out manual temperature checks.

**Take care about trade mark image**
Offer your customers all time the best and fresh products to keep high your trade mark image.

**Regulatory Compliance**
Temperature monitoring and control system helps continuously maintain regulatory compliance requirements.

**Perform preventive maintenance**
Track problems with refrigerators before the equipment failure happens.

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**SensGuard**
SENSE OF SECURITY

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