ESBE
CONTROLLERS CRx200

ENJOY LIFE MORE

Energy-saving and simple, with smart software
for a better everyday life

ESBE®

ESBE CRx200 FOR A **SMART, SAFE** AND **ENERGY-EFFICIENT** HOME

HOW CAN I EFFECTIVELY REDUCE OUR HOUSEHOLD'S ENERGY CONSUMPTION?

One of the best ways of making sure energy consumption in new houses as efficient as possible, involves using intelligent controllers.

Smart controllers optimise use of heat in order to reduce large heating demand peaks and distribute heat more evenly throughout the apartment or house. CRx controllers create an energy-efficient indoor climate through their self-regulation function.

In an old house, this system is ideal when you're renovating or installing a new heating system. The CRx controllers are easy to install or even update at a later date.

DOES THE INDOOR TEMPERATURE FEEL UNSTABLE?

Your indoor climate is at its best when you don't notice it, because that's when the temperature is just right.

When we say CRx controllers are fast, smart and safe, we mean they can be trusted to regulate your heating and cooling according to your needs. You can modify the controller to suit your preferences with ease, or update it, if your needs change.

Meaning, you can rely on them to give you more time to spend on the things you really love to do in life.

MAKING LIFE COMFORTABLE

The ESBE CRx200 platform (CRA, CRB, CRC, CRD) comes equipped with smart software that permits variation between the control units and their features simply just by connecting or disconnecting components for different systems or needs.

+ SMART SOFTWARE

ESBE CRx controllers come with dynamic PI factors*. This means that the software does the work and adjusts the operating parameters for optimum system control, ensuring that it works just the way you want it to.
In other words, it's really smart.

*Proportional gain and Integral response

+ ENERGY-EFFICIENCY

If the controller isn't stable enough, the average temperature can end up higher - and you end up using more energy than you need to.
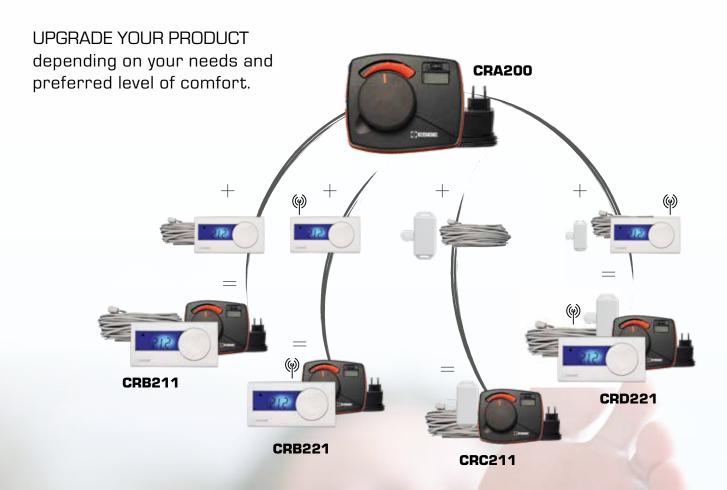
CRx200 gathers information about its own behaviour and the comfort offered by the heating in your home. It processes the information, eliminates problems and regulates the heating correctly and stably, which reduces your energy consumption.

+ SAFE

ESBE Smart Software safeguards your heating, making sure you always have heat even if the room sensor battery goes flat or the outdoor sensor is damaged. This smart software makes sure the system "keeps on going" according to the last temperature recorded by the sensor.

+ QUICK

ESBE Self-Adaptive System adjusts the PI factors to achieve the correct heat flow more quickly. This means more efficient running, reduced wear and tear, greater energy-efficiency and - ultimately - the best indoor climate, adapted quickly according to the user's needs.

UPGRADE YOUR PRODUCT
depending on your needs and
preferred level of comfort.

CRA200

+   +   +   +

=

CRB211

=

CRB221

=

CRC211

=

CRD221

✚ FLEXIBLE

ESBE Smart Software applications can be switched between constant, indoor, outdoor or combined temperature control.

CRx products work not only in heating applications, but also in cooling systems, where they operate close to flammable refrigerants.

✚ ADAPTIVE

Whether you start with a CRA, a CRB or a CRC, the smart software in the controller allows you to upgrade the control device after it's been installed.

The main unit recognises the upgrade components and facilitates new communication and function.

You connect the components, the controller does the rest.

✚ SELF-REGULATION

At ESBE, we focus strongly on smart solutions and ease of use for our products.

ESBE Self-Adaptive System lets the software do the work and adapts the controller to what the system needs. There are ways to avoid calculations and settings, and just enjoy life.

LET **CRx200** DO THE WORK

Choose what you need at the moment. You can always upgrade the control device if your needs change. Switch from a CRA to a CRC, a CRB or even a CRD by connecting room units or sensors, for instance. The software in the controller recognises when you've added or removed sensors.

ESBE CONTROLLER CRX200

All ESBE controllers work best when installed and used together with ESBE's VRx series of rotary mixing valves.

- User-friendly interface.
- Fast, easy installation.

As our customer, we've given you the privilege of choice based on the controller's daily observations of system behaviour. Smart Self-Adaptive System paves the way for adding or removing functions, and one major advantage is that there's no need to change the control devices in the applications!

CRA200 series

CRA211 is the perfect product when you need a stable and constant water temperature. The settings are done using the joystick on the controller, and these are shown on a display just below.

CRB200 series

CRB211 is based on an indoor sensor with a built-in actuator. The settings are done by means of a room unit with a display and built-in sensor connected to the actuator unit using a cable.

The built-in timer, with day and week programmes, allows you to set different daytime and night temperatures to help you save even more energy.

CRB200 Wireless series

CRB221, like CRB211, is a controller based on an indoor sensor with a built-in actuator.

The difference is that you don't need a cable between the room unit and the actuator.

CRC200 series

CRC211 is a regular weather-compensating controller with one big advantage - it has only one heating curve.

You just need to answer the question: is it too cold or too hot right now? Then change the target flow temperature - the controller will create the perfect curve just for you.

CRD200 series

Our CRD221 controller detects conditions both indoors and outdoors. It comes with a smart learning function that learns how the indoor climate is affected by changes in the weather and can calculate the building's response to outdoor changes.

And best of all, you don't need to learn anything about characteristic heat curves or how to choose the right setting for your curve: you just need to know what indoor temperature you want!

CONSTANT TEMPERATURE CONTROL

CRK210 series

The CRK211 series for applications where the same system is used for cooling and heating.

When switching the system over, the controller changes direction depending on whether you want heating or cooling.

CRS210 series

The ESBE CRS211 is the right product for larger drinking water applications thanks to the response time of the controller and the location of the temperature sensor in the immersion pocket, which allows for an immediate response.

Legionella flushing is possible by activating an alternative temperature. A controller offering safety and perfection.

GET MORE OUT OF LIFE

ESBE CONTROLLER CRx200

ESBE CRx200 control devices safeguard your heating, provide easy management and use smart software for a range of heating systems. Find out more on www.esbe.eu

WHEN YOU CHOOSE ESBE, YOU'LL GET:

- A company committed to producing attractive, intelligent and highly efficient products with minimal environmental impact.

- More than 100 years of experience and expertise that we use to deliver optimal hydronic efficiency and smart solutions for applications of all sizes.

- Customer support with high uptime and plenty of expertise.

- Finally, Swedish products means reliable quality and durable design.

SWEDISH HYDRONIC SOLUTIONS SINCE 1906 **ESBE**