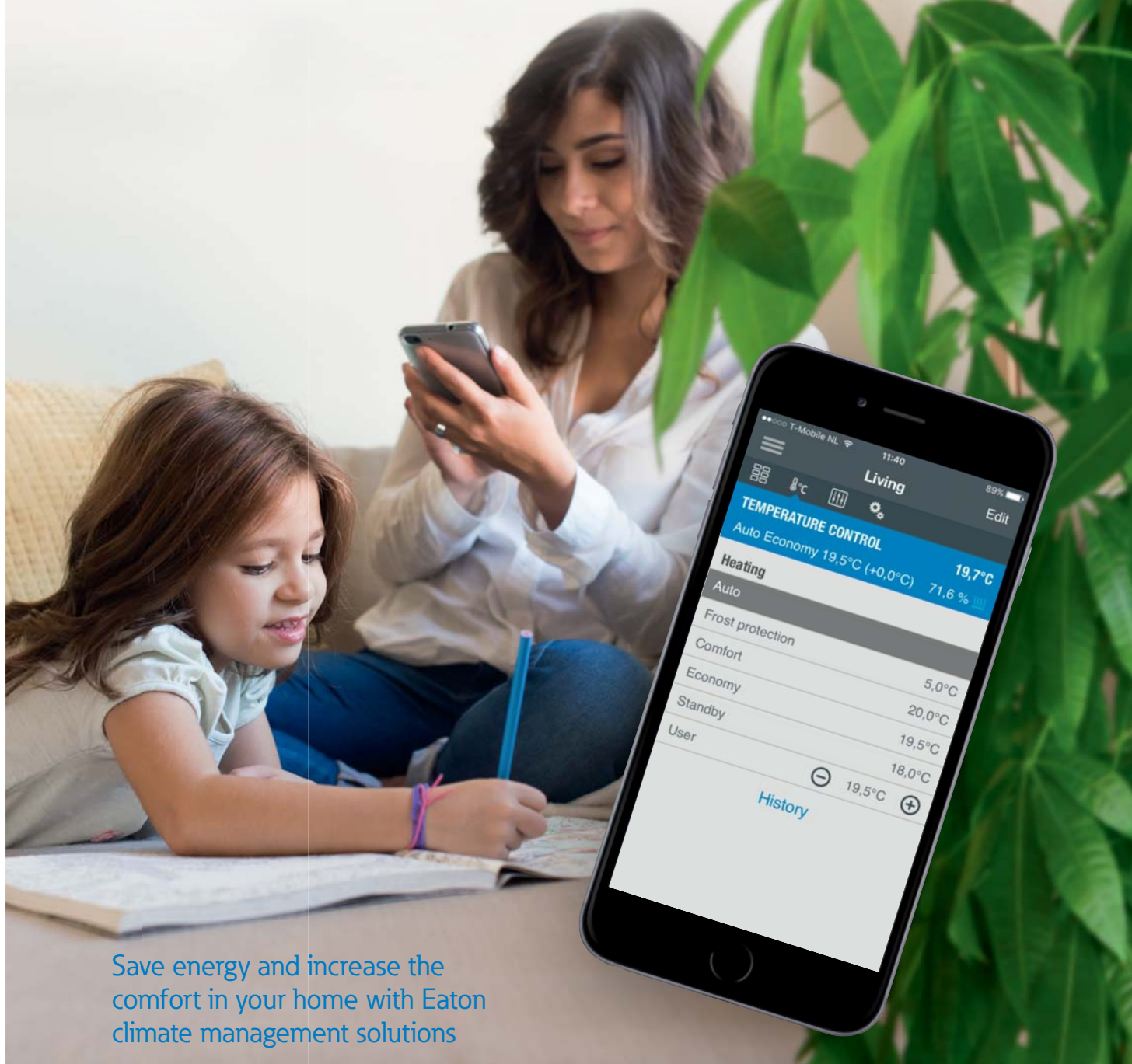


# xComfort – Climate protection starts in your home



Save energy and increase the comfort in your home with Eaton climate management solutions



Powering Business Worldwide

# Increase comfort and save energy

## How it works

1

### Automatically closing the blinds

reduces heat loss and protects against burglary when you are not at home



2

### Individual temperature

control in each room saves up to 6% in heating costs per degree Celsius without comfort loss



3

### Floor heating per zone

circulation of warm water in the heating circuit only on demand saves cost and increases comfort



4

### Radiator heating

circulation of warm water in the heating circuit only on demand saves energy and cost



## Well-being for your daily life

To go – at home

to go



at home



**With the Room Controller Touch, everything is under control in every room, monitoring and controlling heating, cooling, light and blinds.**

Temperature is a very important factor for each person's well-being. The temperature in spaces that are not used could without a problem be decreased to save in a simple manner the heating costs of a home. With xComfort this is possible for both new and existing buildings.

In a European climate heating and cooling the house is very important. On the other hand, the increasing shortage of fossil fuels, rising energy costs and environmental awareness also mean that we have to use the necessary energy for this purpose wisely. xComfort can make an important contribution!

Heating regulation has several advantages. First it has to make sure that the temperature is comfortable at the time when it should be, and at the moment that one wishes it to.

A temperature control system also ensures that there is only heating at the time when it is needed. Heating a space for nothing and no one should be a thing of the past.

With xComfort, it is possible to control heating by means of electricity or hot water. Features like night mode and power mode for longer absences are naturally available and easy to adjust. Each room or temperature zone can have its own individual temperature control with temperature profiles that are adapted to the daily use of this room or zone.

## Room Controller Touch

Brings local control to your room

### Smart design for each room offering full capabilities

- ✓ With Temperature and Humidity sensor
- ✓ Touch buttons on display to control lights or shutters optionally available
- ✓ At desired location and on any surface thanks to its wireless technology
- ✓ Long battery life for typical use of 2 years and mains powered possible as alternative
- ✓ Reading while passing by, no touch needed to read the current temperature under normal light conditions
- ✓ No light emitting therefore a perfect solution, for example, in bedrooms and other rooms
- ✓ Excellent reading quality during operation due to its backlight in display operation mode
- ✓ Fits with market standard 55x55mm frames from leading wiring accessories brands
- ✓ Week Program timer with six programmable switch points per day
- ✓ Floor temperature regulation (min and max floor temperature) as option support
- ✓ External wired temperature sensor possible

**The Eaton Room Controller Touch is the new member of the xComfort climate control solutions. It will help you to find the right balance in cost saving without losing comfort.**

Equipped with a 2.2" Touch Display with backlight, the Room Controller Touch provides you with easy and clear access to the temperature and humidity in the room. Through the intuitive icon based touch menu you can, when needed, adjust the climate control.

The Room Controller Touch can operate stand-alone or together with the xComfort Smart Home Controller. In stand-alone mode the Room Controller controls the RF connected xComfort actuators to regulate the temperature in the room.

In the stand-alone mode the programmable weekly timer offers you the opportunity to define, per day, up to six switching times to switch to one of the four set-point temperatures, which you have defined.

When using floor heating, the Room Controller Touch is connected to a (wired PT1000) floor temperature sensor and supports the control of the floor temperature in the room between a programmed maximum and minimum level.

The two multipurpose Touch buttons optionally available on the display give you the possibility to control even your lights and/or shutters with the Room Controller. It turns the Room Controller Touch into a real all-round controller for your room.



Smartphone



Smart Home Controller (SHC)



Room Controller Touch

Connected to the xComfort SHC, the Room Controller Touch gives easy access via its touch display to the SHC climate control in the room in addition to use of the smartphone. The SHC offers you the possibility to control the climate via the smartphone both in home and remotely.

The changes made with the Room Controller will be used in the climate function on the SHC and any change made in the climate on the SHC will be used in the Room Controller Touch, therefore it is the perfect combination to easily get insight in climate conditions in a room.

The standard 55x55 mm design of the Room Controller makes it a perfect fit with frames and other wiring accessories of leading wiring accessories brands.

The battery powered Room Controller Touch and its wireless communication provides you with the possibility to mount it on any location and surface without any reconstruction work. In those situations where it is preferred to use mains power supply, the Room Controller Touch can be used with an external power supply adapter.

# xComfort climate management solutions

For each situation



**For each situation new as well as existing houses using electrical, warm water heating systems or a combination of these can use Eaton xComfort climate management solutions to increase the comfort in your house and to prevent the waste of energy.**

Moreover, your xComfort solution can be easily extended with other functions that increase the comfort and safety in your home. Since the xComfort system is wireless it can be installed without chasing out or plastering, which makes it a perfect match to grow with your needs and budget.



## Typical applications are:

- Light control
- Climate control
- Blind & shutter control
- Safety management
- Energy monitoring & visualization
- Remote Information & control

## Which xComfort solutions are applied in climate management?

### Actuators

The xComfort switching and dimming actuators are used to turn the heaters, heating cables and radiator valves on and off. Dimming actuators are used in situations where silent switching is preferred and switching actuators where high load needs to be switched. Furthermore, there are dedicated heating actuators like the Valve Drive for radiators and the Multi-Channel Heating actuator for floor heating systems which support up to 12 zones.

### Sensors

Different sensors are available to measure the climate condition in the rooms or outside. The sensor range includes dedicated sensors to just measure the temperature and/or humidity in a room and those which are combined with stand-alone control capabilities like the Room Controller Touch. Furthermore, window/door contacts are available to prevent energy waste when doors/windows are open.

### Control units

The xComfort climate solutions include different types of control units applicable for each situation from direct radiator control and single room control up to multi individual zone climate control with light control etc. RF buttons for example located in the hall can easily be used when leaving and/or coming home to not only switch on or off the lights but also to put the climate control in the desired mode.

The valuable scalability of the xComfort has proven that investment once made can still be used when needs are changing and more sophisticated climate control functions are wished. For example, the Heating actuator and/or Room controller can be seamlessly integrated with the xComfort SHC climate and other smart home functions.

# xComfort Climate Management Solutions Overview

## Switching Actuator 16 A 1 channel

RF receiver for switching of power-consuming devices (lighting, heating, etc.) up to 16 A.

	Art. No.
<b>CSAU-01/01-16</b>	<b>172940</b>
<b>CSAU-01/01-16I</b> with binary input unit	<b>172941</b>
<b>CSAU-01/01-16IE</b> with binary input unit and energy metering	<b>172942</b>



## Shutters/Blinds Actuator

RF receiver to control drives for shutters and blinds with 230 V motors featuring an integrated limit switch.

	Art. No.
<b>CJAU-01/02</b> 6 A / 230 VAC	<b>240696</b>



## Switching Actuator 10 A 1 channel

RF receiver for switching of power-consuming devices (lighting, heating, etc.).

	Art. No.
<b>CSAU-01/01-10</b>	<b>172937</b>
<b>CSAU-01/01-10I</b> with binary input unit	<b>172938</b>
<b>CSAU-01/01-10IE</b> with binary input unit and energy metering	<b>172939</b>



## Binary Input Unit 2 channels

RF transmitter covers conventional switches, push-buttons, window contacts, signal contacts etc.

	Art. No.
<b>CBEU-02/03</b> 2 x 230 V / 230 VAC	<b>182450</b>
<b>CBEU-02/02</b> 2 x potential-free / battery-powered	<b>265627</b>



## Switching Actuator 1 channel, potential-free

RF receiver for potential-free switching of power-consuming devices (lighting, heating, etc.).

	Art. No.
<b>CSAU-01/02</b> 8 A / 230 VAC 8 A / 24 VDC	<b>240694</b>
<b>CSAU-01/04</b> Push-button function Basic Mode	<b>121080</b>



## Room-Manager

Takes care of the room management and several central functions. Designed for central operation and display.

White	Art. No.
<b>CRMA-00/03</b> Language: GB, NO, SE FI	<b>118783</b>
<b>CRMA-00/04</b> Language: GB, NL, FR, DE,IT	<b>118784</b>
<b>CRMA-00/05</b> Language: GB, RO, HU, PL, TR	<b>118785</b>
<b>CRMA-00/06</b> Language: GB, DE,CZ, GR	<b>118786</b>



## Room Controller Touch

With temperature and humidity sensor to monitor and control the climate in a room either stand-alone or together with the SHC. Its touch display with back-light function offers an intuitive interface for daily use.

	Art. No.
<b>CPAD-00/198</b> Room Controller Touch pure complete with frame Pure white	<b>187712</b>
<b>CRCA-00/08</b> Room Controller Touch without frame Pure white	<b>187708</b>
<b>CRCA-00/09</b> Anthracite	<b>187709</b>
<b>CRCA-00/10</b> Traffic white	<b>187710</b>
<b>CRCA-00/11</b> Alpine white	<b>187711</b>



Silver	Art. No.
<b>CRMA-00/07</b> Language: GB, NO, SE FI	<b>118787</b>
<b>CRMA-00/08</b> Language: GB, NL, FR, DE,IT	<b>118788</b>
<b>CRMA-00/09</b> Language: GB, RO, HU, PL, TR	<b>118789</b>
<b>CRMA-00/10</b> Language: GB, DE,CZ, GR	<b>118790</b>

### Smart Home Controller

The Smart Home Controller is in charge of central management, it enables operation and display functions via smartphone apps or a web interface.

	Art. No.
<b>CHCA-00/01</b> Smartphone is not included in delivery!	<b>171230</b>



### Humidity Sensor - Outdoor with Temperature Sensor

0-10 VDC, Pt1000, measures the relative air moisture 10-90% and forwards it as an analogue 0-10 VDC value

	Art. No.
<b>CSEZ-01/17</b>	<b>109382</b>



### Smart Dimming Actuator 1 channel

One universal dimmer for switching/dimming Smart dimming technology. Can dim a large variety of loads without flickering, flashing, LED glow or audible noise. Dims even the smallest LED load, starting from 0W.

	Art. No.
<b>CDAU-01/04 0 - 250W</b>	<b>182443</b>
<b>CDAU-01/04-1 0 - 250W</b>	<b>182444</b>
<b>CDAU-01/04-E 0 - 250W</b>	<b>182445</b>



### Heating actuator 12 zones

It can control 230 V thermo-electric actuators and provides for up to 12 heating/cooling zones.

	Art. No.
<b>CHAZ-01/12</b>	<b>164333</b>
<b>CKOZ-00/12</b> External RF receiver	<b>164296</b>



### Valve Drive 230V NC

The thermo-electrical heating valve is used for the control of radiators.

	Art. No.
<b>CHVZ-01/04</b>	<b>179678</b>



### Adapters for Radiator Valve

<b>CMMZ-00/17</b> (Danfoss RA)	<b>118866</b>
<b>CMMZ-00/18</b> (Baulco, SBK, Heimeier, Honeywell, etc.)	<b>118867</b>
<b>CMMZ-00/38</b> (Tour & Andersson, Nereus Type 9440)	<b>182452</b>



### Living Room Enclosure

84.5 x 84.5 x 25 mm

	Art. No.
<b>CSEZ-01/24</b>	<b>118802</b>

### Outdoor Enclosure

<b>EB-Z/SE/01/03</b> 50 x 65 x 37.5 mm	<b>232284</b>
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### Fit-to-Pipe Unit

<b>EB-Z/SE/01/04</b> 12 x 39 x 10.6 mm	<b>232283</b>
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### Door/Window Contact

Door/window contact for checking if windows/doors/skylights are open or closed.

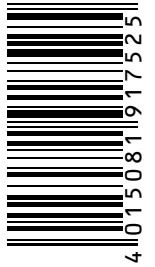
	Art. No.
<b>CSEZ-01/06</b> (Surface-mnt., NO)	<b>104922</b>
<b>CSEZ-01/25</b> (Surface-mnt., NC)	<b>121790</b>
<b>CSEZ-01/07</b> (Flush-mnt., NO)	<b>104923</b>



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