



Interra iSwitch+ Series

↵ New Interra iSwitch+ KNX Room Controller

↵ Unique design combined with functionality

New iSwitch+, the improved version of the legendary thermostatic KNX switch series of Interra takes attention with its clear straight lines and architecturally harmonious and fascinating colors and materials. The new monoblock design of iSwitch+ has become more practical in terms of mounting by the screwless mounting facility. With its unique and elegant design, iSwitch+ is the favorite choice of interior architects.

iSwitch+ is more than a room controller with its temperature, air quality and humidity sensors and extremely powerful control and logic options. It comes with 8 different button options and it has 2 main models. One is a thermostat switch model that differentiates itself with its LCD dimension from its competitors and the other is a classic one without LCD. It performs the control of all functions required for building automation, such as switching, toggle, dimming, shutter/blinds, thermostat controls, scenes, value, 2 channels, and step switching mode features.

Each push button is equipped with RGB LEDs with adjustable light intensity in blue/green or white/red color combinations for feedback or visualization, and the LCD models are equipped with VA-Display technology. There are 2 hidden push buttons with a short press and long press events, located up and down below the frame of the LCD, making it a unique device to control all thermostat functions over LCD buttons. It provides great project flexibility so other push buttons can be arranged for other controls.

↵ New iSwitch+ Rose Gold



↵ New iSwitch+ Midnight Blue



↵ iSwitch+ New Features



New Easy Mounting Style



New Homogenic RGBW LEDs



Optional Air Quality Sensor



New Press Sound



New Built-in Sensors



New Digital & Analog Inputs



New Monoblock Design



New Press Feeling



Advanced LCD Functions

Interra iSwitch+ New Features

The increased mechanical design of iSwitch+ provides a better experience on press feeling and press sound.

iSwitch+'s new homogenous RGBW feedback LEDs provide flexibility and customizable color options for your projects to reflect your style.

iSwitch+ provides extra time efficiency, thanks to the new monoblock design and easy mounting installation.

iSwitch+ has 2 inputs that can be used as analog or digital. It allows you to control the room temperature with NTC sensors and optimize the lighting with LDR sensors.

iSwitch+ has built-in temperature, humidity, and brightness sensors to provide more information about the environment. Also, it has an optionally built-in air quality sensor. (0-500 VOC Index)

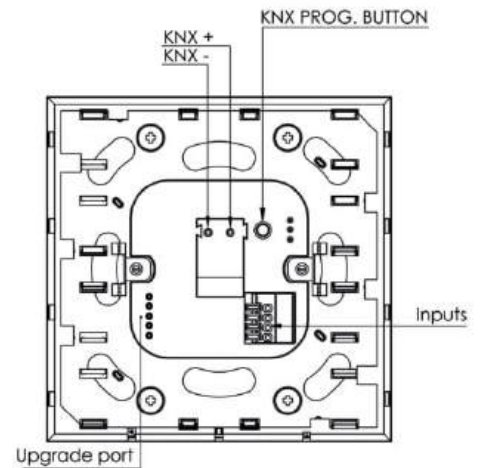
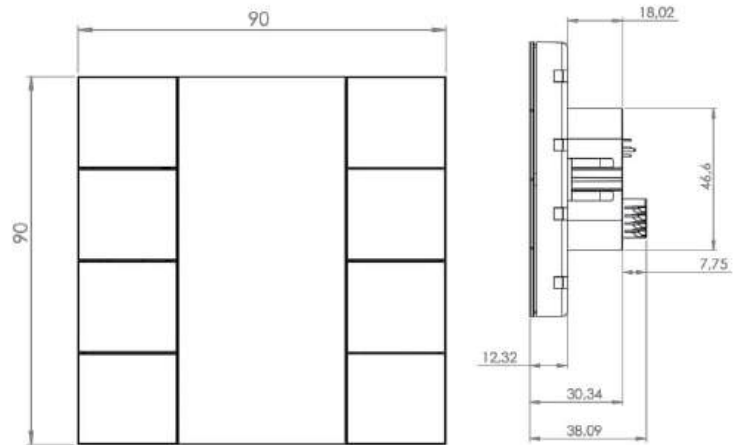
New advanced LCD functions such as room temperature, temperature set point, humidity, CO2 concentration, outdoor temperature, fault, and emergency LCD icons, and LCD backlight control via brightness sensor.



Interra iSwitch+ Technical Details

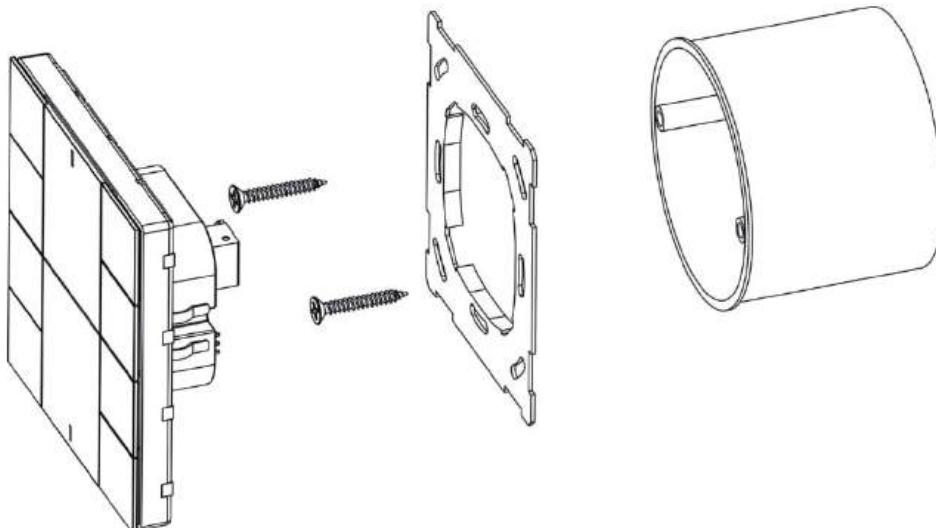
Technical Specifications

Product Code	ITR340-XXXX
Power Supply	KNX Power Supply
Current Consumption	10 mA
Push Buttons	Depends on model (1 to 10 button) 1 x KNX Programming button
LED Indicators	RGB LEDs for each button 1 x Blue Navigation LED 1 x Red Programming LED
Sensors	Temperature sensor (0.2°C sens.) Humidity sensor (2 %RH sens.) Air Quality Sensor (0-500 VOC Index) Brightness Sensor (Up to 1800 Lux.)
Interfaces	VA-type low power LCD
Commissioning Mode	S-Mode
Type of Protection	IP 20
Temperature Range	Operation (-5°C...45°C) Storage (-20°C...60°C)
Maximum Air Humidity	< 90 RH
Colour	Buttons: Depends on models Back cover: Matte black
Dimensions	90 x 90 x 12 mm (W x H x D)
Configuration	Configuration with ETS

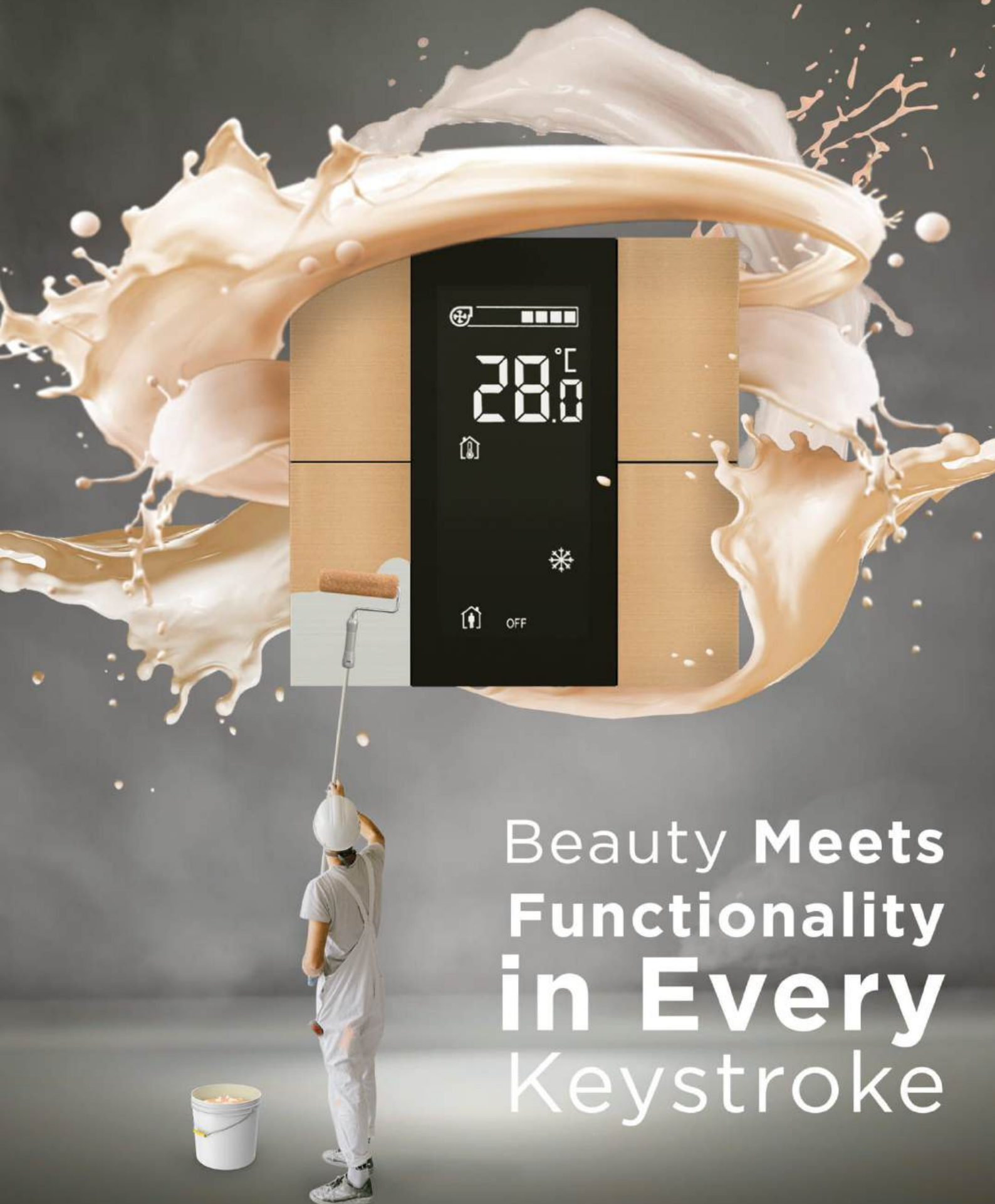


iSwitch+ Mounting Steps

Insert the metal frame of the Switch+ into the standard flush mount box with screws. Then connect the KNX cable and other cables (optional) to the respective terminals. Finally, insert the iSwitch+ into the metal frame.



iSwitch+ Rose Gold



Beauty Meets
Functionality
in Every
Keystroke

New Interra iSwitch+ Aluminium Series has a new painting technique that has a more bright, stable, and eye-catching look

iSwitch+ Software Updates & New Features

Improved and extended switch functions

- Switching, dimming, shutter/blind, value/force, scenario, counter, RGB and RGBW color control, and many more.
- Thermostat expansion control to directly control thermostat functions with any button.

External inputs configurable from ETS as digital or analog

- For analog options temperature and brightness sensor inputs and digital inputs for all available switching functions.
- Energy efficiency function to use with magnetic contacts, presence sensors, or card holders.

Improved and extended sensor functions

- Sensor noise filtering and calibration value from ETS or KNX bus.
- Built-in sensor error detection and recovery and sending alarm messages on sensor failure.
- Sending alarm messages on exceeded thresholds.
- Calculation functions that generate weighted sensor values for specific situations.

Improved and extended room controller functions

- Master/Slave thermostat modes.
- 1 bit / 1-byte selectable object data type for 2 points and PI PWM controller.
- 2 points proportional fan controller that can be used by main and additional heating/cooling systems.
- Weekly thermostat program (needs date and time data from KNX bus to start working)
- Energy saving and temperature limitation feature for thermostat functions. (such as floor temperature)

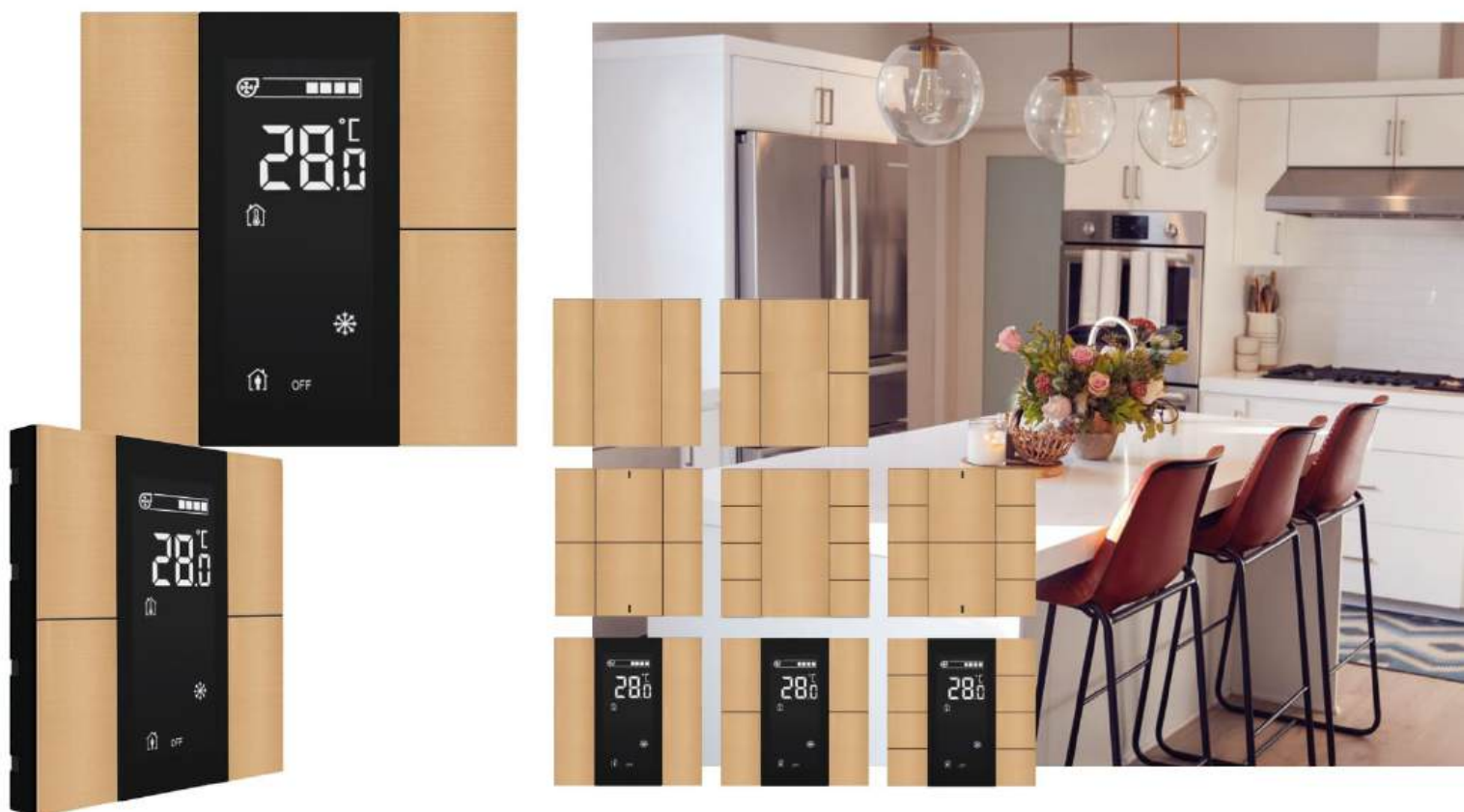
Improved and extended LCD screen functions

- Error and emergency notification icons on LCD.
- Advanced LCD functions such as room temperature, temperature set point, humidity, CO2 concentration, and outdoor temperature.
- LCD backlight control via brightness sensor.



 **Small changes
make big impacts.**

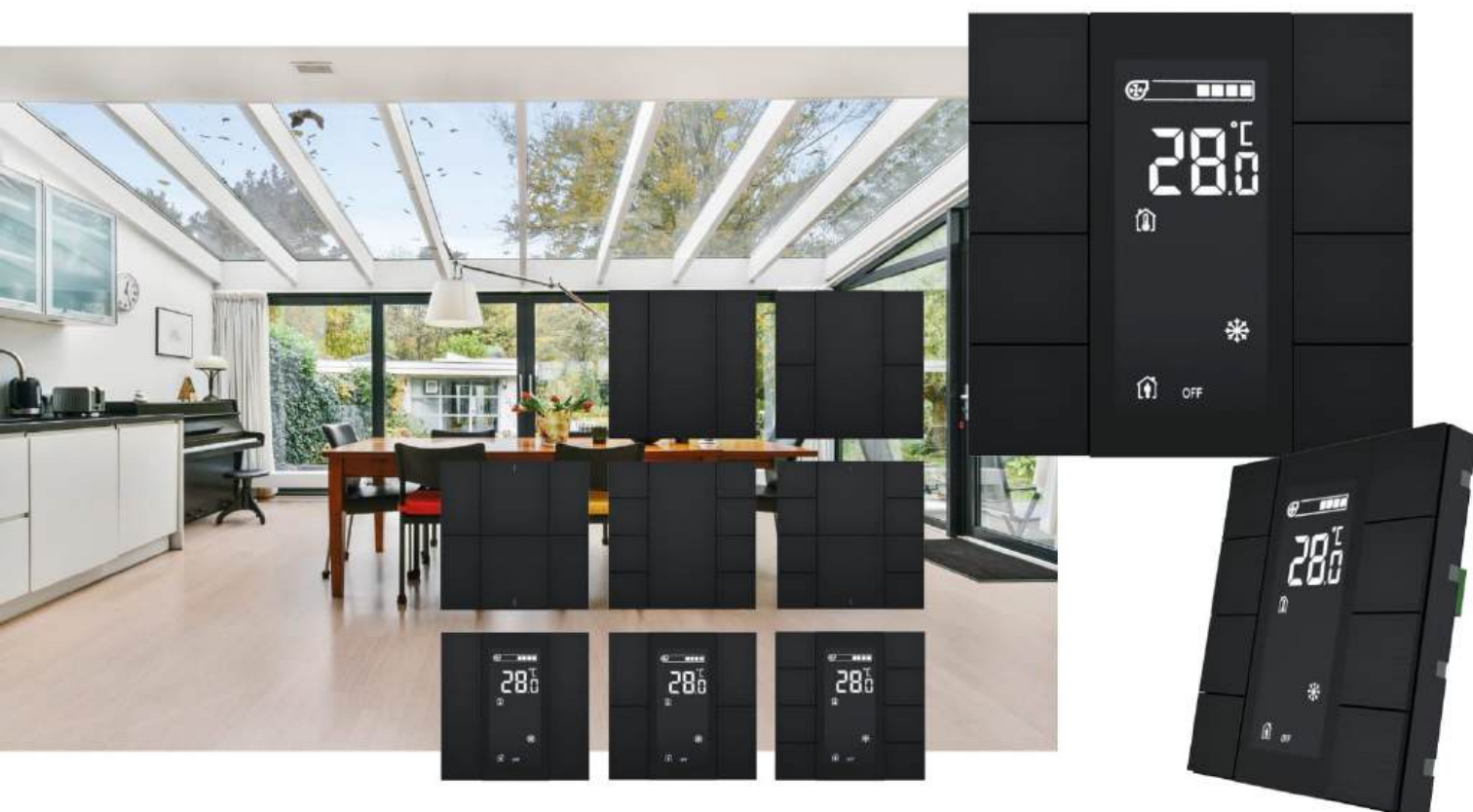
↗ New iSwitch+ - Rose Gold Brushed Aluminium



↗ New iSwitch+ - Midnight Blue Brushed Aluminium



iSwitch+ - Black Aluminium Matt Brushed



iSwitch+ - Natural Aluminium Matt Brushed



iSwitch+ - Gold Aluminium Matt Brushed



iSwitch+ - Bronze Aluminium Matt Brushed



iSwitch+ - Natural Stainless Steel



iSwitch+ - Stainless Steel Antique Bronze



iSwitch+ - Stainless Steel Antique Copper



iSwitch+ - Matt White Plastic



iSwitch+ - Glossy White Plastic



iSwitch+ - Jet Black Plastic



iSwitch+ - Anthracite Matt Plastic



iSwitch+ - Metallic Gray Plastic



iSwitch+ - Black Plexiglass

