SIEMENS

Convenient and efficient control of all plants via touchscreen in the room

Ease of operation in high-end non-residential buildings and exclusive apartment buildings – with room controller UP 204 Contouch

Multifunctional with touchscreen, temperature sensor and room temperature controller: room controller UP 204 Contouch for convenient control, display and monitoring of lighting, shading, heating, ventilation and air conditioning.

Energy efficiency for room automation

Room controller UP 204 Contouch offers extensive functions that ensure effective energy savings. Up to 18 functions can be defined for lighting and shading, scenes, text and alarm messages. The product features a built-in 7-day time switch and temperature sensor. So, rooms are heated or air conditioned at the comfort level only during the set occupancy times or when people are present. If a window is opened, the room controller changes automatically to energy- and cost-efficient protection mode. Night setback reduces energy usage during the night. Using the rotary-and-push knob, two room scenes are available that can be individually parameterized, e.g. a central ON and a central OFF scene. The central OFF scene ensures that all electrical consumers are switched off at the touch of a button.

Intelligent comfort

The simple way to the perfect feel-good climate and the desired lighting atmosphere: Being a high-end product, the room controller ensures ease of operation. All setpoints, operating modes and fan speeds can be intuitively adjusted and selected. Self-explanatory symbols lead to an easy-to-understand menu. And the product's operating philosophy is identical with all types of plant. There are six menu languages to choose from – ideally suited for use in hotels with international guests.

Functional design – combined with unique operating philosophy

Thanks to its elegant and representative design, the Contouch meets demanding requirements in high-end premises, such as conference centers, hotels, representative office spaces, or exclusive apartment buildings. The product's flat design is matched to the design of the DELTA miro frame program from Siemens, which means that switches, power outlets and operating units allow perfect integration in the room.

The room controller is available in four different colors and features a first-quality 2.8-inch TFT color display with a resolution of 320 x 240 pixel and a unique operating concept. This concept combines two operating elements in one device: a touchscreen and a rotary-and-push knob.

The touchscreen can be locked for a preset period of time, thus preventing wrong, inadvertent settings or commands when the product is cleaned. The individual menu pages can be matched to the user's specific needs. There is a choice of four different color designs.

In addition, the room controller has a select-and-push knob, backlit by an RGB-LED. This is very useful in poor lighting conditions. The display changes its color in the event of alarm or fault status messages. Alarm messages are also displayed in the form of cleartext and are acoustically signaled.

Straightforward installation – based on KNX

Installation is very easy because operation and display of all functions requires only one operating unit, with no need for fitting a special conduit box. What's more, thanks to the open KNX communication standard, the room controller can be seamlessly integrated in all plants and building automation and control systems, such as Synco™ or Desigo™.

The products are parameterized via an ETS-plugin and a microSD card. The latter is available as an accessory item. The symbols required for the representation of the different room functions can be selected from a library supplied with the controller.

Thanks to the separate tool, the Contouch Manager, the end customer can change the display operation, decide the design and the time commands independently from the ETS.

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Highlights

- Energy efficiency thanks to energy saving functions and scene control

- Intelligent comfort owing to optimum room climate, touchscreen for intuitive operation, LED and button lock

- Reliable combination of different functions acting across all disciplines

- High flexibility thanks to multilingualism, choice of color designs, individual menu pages and integration via KNX

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All disciplines can be set intuitively by the touchscreen. The operation follows for each single discipline or by scenes, that control multiple disciplines to create a particular room atmosphere.

Display and Operation Units
Multifunction devices

Type	Description
	UP 204 Room controller Contouch ■ Multifunctional display/operating device for KNX, with 320 x 240 pixel, 2.8" LCD color display ■ For the display and operation of at least 18 configurable room operator functions: – Switching On/Off/Over dimming and pushbutton function (bell function) – Shutter/blind/roller control – Value transmission: 1 byte in %, 1 byte integer without prefix, 1 byte integer with prefix, 2 byte integer without prefix, 2 byte integer with prefix, 4 byte integer without prefix, 4 byte integer with prefix, wind speed in meters per second, brightness in lux, temperature in °C – Positively driven operation – Scene control: Store and call up scene 8 bit, store and call up scene 1 bit – Display of text, warning and alarm indications ■ Operation using touch screen and/or by turning/pushing rotary-/push button ■ RGB LED as orientation light or for signaling alarm indications ■ Buzzer for acoustic alarm indication or as feedback when operating touch screen ■ Integrated room temperature sensors ■ Analysis and weighting of an external inside temperature sensor	■ Room temperature control can be set as a two-point control and/or continuous-action control for heating only, for cooling only, or for two level heating and cooling mode ■ Operating modes that can be switched via KNX: comfort mode, pre-comfort mode, energy-saving mode and frost or heat pro-tection mode ■ Fan speed step can be set via the rotary-/push button or en-tered automatically by the controller ■ Weekly scheduling program for controller operating modes and for 18 room operator functions ■ At least 16 time switching points per function per weekday ■ Selection of at least 4 different design templates as operator and display interface ■ Slot for a micro SD card for transferring firmware and config-uration data ■ Incl. bus coupling unit (included in delivery) ■ Bus connection via bus terminal ■ Connection of the separate 24 V DC boost voltage, power consumption approx. 50 mA ■ Flush-mounting device for mounting in a Ø 60 mm installation box, with screw fixing ■ Dimensions (H x W x L): 116 x 86 x 30 mm (with rotary-/push button and contact strip channel)
	Contouch Flash-Kit (Accessories) with microSDHC card and 2 adapters for transferring firmware and configuration data.

Selection and ordering data

Type	Version	DT	Order no.	Price per PU	PU (UNIT, SET, M)	PS/ P. unit	PG	Weight per PU (kg)
UP 204	**UP 204 Room controller Con-touch**[1] incl. bus coupling unit	A						
	Type							
	– Titanium white	A	**5WG1 204-2AB11**		1	1	A19	0,252 kg
	– Carbon metallic	A	**5WG1 204-2AB21**		1	1	A19	0,252 kg
	– Aluminum metallic	A	**5WG1 204-2AB31**		1	1	A19	0,252 kg
	– Piano black	A	**5WG1 204-2AB51**		1	1	A19	0,252 kg
	Contouch Flash-Kit[1] **(Accessories)** with microSDHC card and adapters for USB and SD	A	**5WG1 204 8AB01**			1	A19	0,032 kg

[1] The Contouch Flash-Kit with microSDHC-card and adapters for USB and SD must be ordered separately.

Our world is undergoing changes that force us to think in new ways: demographic change, urbanization, global warming and resource shortages. Maximum efficiency has top priority – and not only where energy is concerned. In addition, we need to increase comfort for the well-being of users. Also, our need for safety and security is constantly growing. For our customers, success is defined by how well they manage these challenges. Siemens has the answers.

"We are the trusted technology partner for energy-efficient, safe and secure buildings and infrastructure."

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