IPAS

Design panel series Piazza
Switching becomes a colourful pleasure

KNX control panels
Interface between man and system

Modern commercial and domestic buildings are today unimaginable without KNX bus systems that link different structural elements with each other. The advantages are obvious. Simple integration through the linking of subsections as well as the use of synergies in the setting up of bus-controlled installations make the system easy and safe to use whilst at the same time guaranteeing optimal consumption of energy and resources.

KNX installations allow for a high degree of automation. Time and presence controlled switching make any form of manual operation superfluous. Control processes regulate light levels and room temperature practically by themselves. Despite these possibilities, manual oversight remains important. The user should be able to control the advanced technological possibilities easily. Technology is meant to simplify our life, not to control it.

IPAS has been offering interface solutions for KNX systems for many years. The Piazza series offers a new generation of KNX control panels with a simple and timeless design for standard flush-mounting boxes.

Piazza series
One standard for all applications

Piazza design panels come in various formats. Versions with 2, 4, 6 and 8 buttons mean that the panel surface can be perfectly adapted to the functions that are required. In addition, you can chose between models with a status LED for each button or without status LED. The pushbutton panels can be directly mounted onto all standard flush-mounting boxes of Ø 60mm via two erection screws. Due to its low mounting depth of only 28mm, even shallow boxes can be used. Whatever situation the installer may be faced with, the mounting of a Piazza device is always possible. As a result of the frequently used 55mm panel size, the Piazza design panels can be mounted with many commonly used frames and combined with the plug systems of other manufacturers.

Functions can be clearly assigned to the buttons via a description field in which individually printed labels can be inserted. The white labels are suitable for laser printers and are light-fast, without waves and are perfectly sized. To make printing easy, a word template is available.

A multitude of functions with one application program
More than just simple switching

To make the commissioning as simple and safe as possible for the installer / system integrator, the ETS application program has been created in such a way that it can be adjusted to each device model via parameter settings. No matter whether you choose a two, four, six or eight button device, the same applies to the whole piazza family: one application for all devices. This concept is particularly advantageous if you decide to expand the system: For example, if new functions require the expansion from a six button to an eight button version, you simply need to adjust the parameters in the ETS after you have changed the device. At least a part of the previously used settings and the already linked communication objects remain unchanged and can be directly applied. This saves the installer time and reduces costs for the operator.
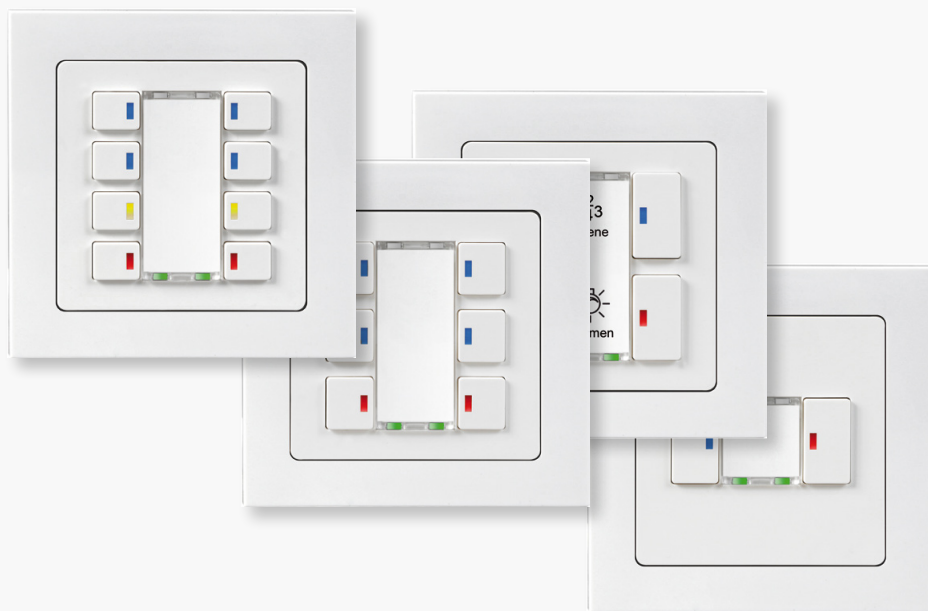
Of course, the Piazza design panels access all standard KNX functions: Switching, dimming, value setting, shutters, scenes, effects, operating mode setting, presence sensor, fan, to mention just a few. Whichever functions may be required in a room, Piazza can serve them all.

Piazza range RGB

Freely configurable pushbutton functions:

– Switch On/Off /Dim
– Shutters / slats adjustment
– Value setting fixed/step-by-step/toggle
– Load/program scene
– Start/stop effects
– Set operating mode for heating
– Presence on/off
– Fan setting
– Push: On/Off
– One button dimming and shutters

Orientation LED and status LED for each button. The colour can be freely selected either in the form of a fixed setting or configurable via an object

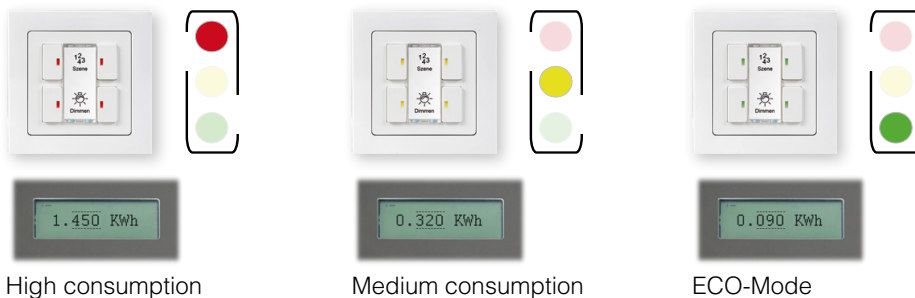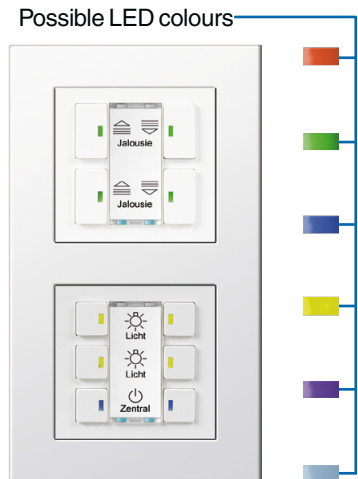# Acknowledgement and information via colourful status LEDs
Bundled visual information

A highlight of the IPAS Piazza range is that colourful RGB light emitting diodes are used for orientation and status LEDs. This makes it possible to light up each LED in six different colours. The different colour options mean that the design panels can be individually adapted to the architectural environment and the user's taste. Moreover, the use of different LED colours means that functions can be more clearly structured and information becomes more visible. If, for example, all light functions in a building are controlled via yellow LEDs, all shutters via green LEDs and all central functions via blue LEDs, this simple but clear structure makes intuitive use easier and simplifies the search for the right button.

Possible LED colours

You can either set a fixed colour via parameter settings in the ETS or you can choose to control colours individually via a communication object. The option of choosing the colour via a communication object means that status LEDs can also become multi-functional visualisation displays. For example, in summer a pushbutton with a blue LED may be used to switch on the air conditioning and in winter the same pushbutton may have a red LED and be used to control the heating.

Even a value-dependant LED display colour is easy to set up in connection with an external logic element (a multitude of which are available in the IPAS ComBridge Home Control Center, HCC): The acknowledgement LED may, for example, be green if dim values are less than 30%; yellow if dim values are between 30% and 70%; and red if dim values are greater than 70%. The user therefore has an immediate understanding of the current light output and becomes sensitised to use only the intended light level in the room. In a very simple manner, Piazza thereby contributes to reducing energy consumption.

1.450 KWh

High consumption
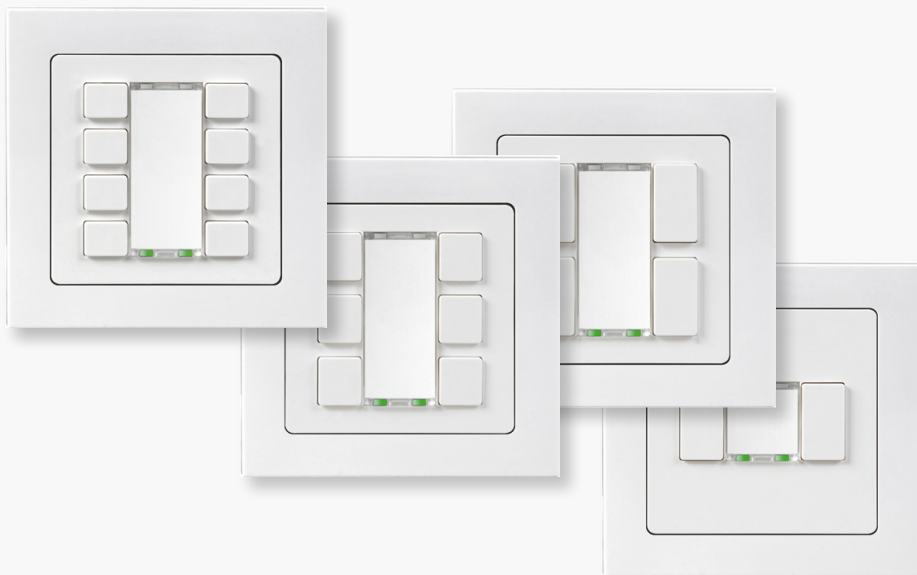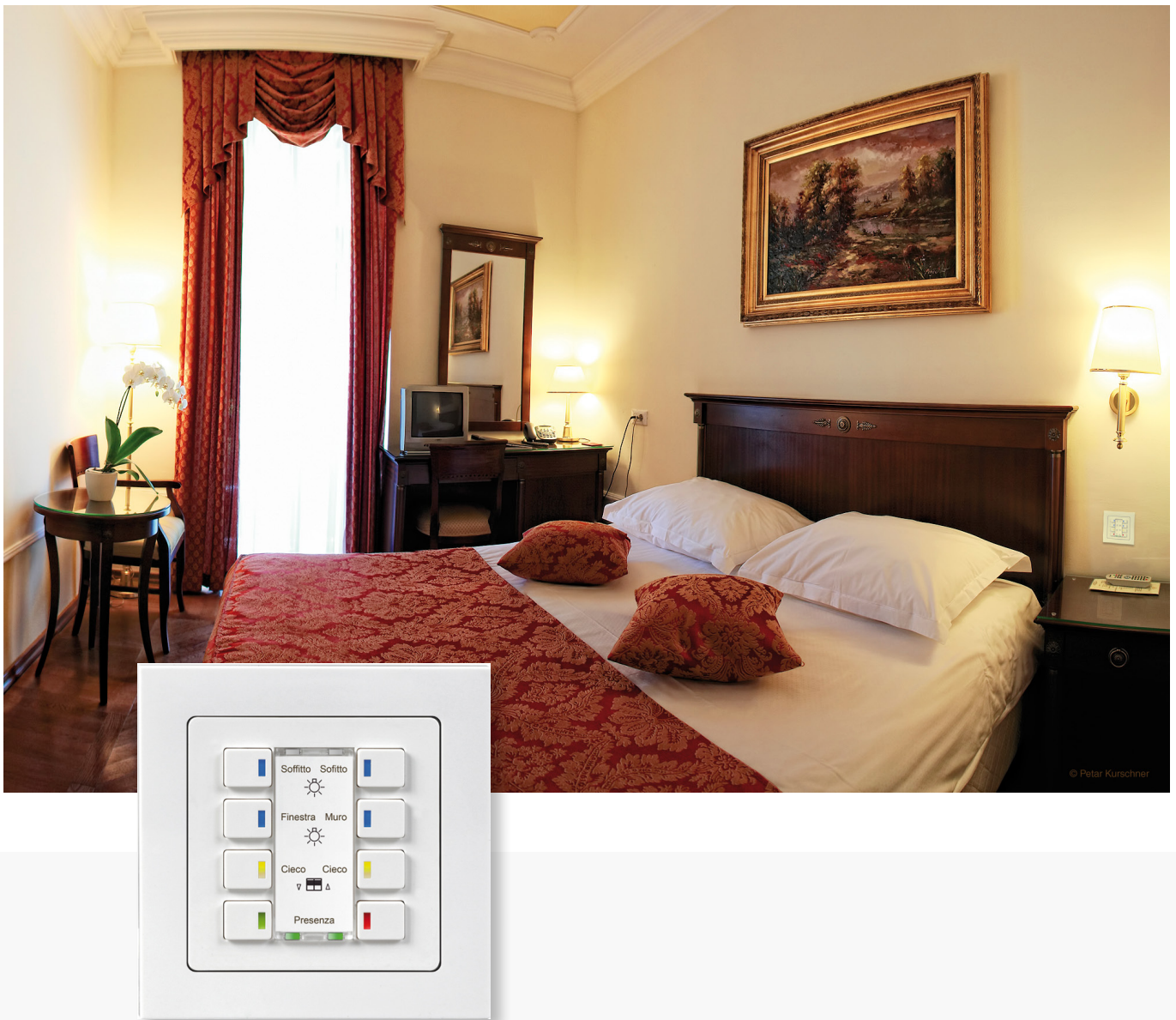
0.320 KWh

Medium consumption

0.090 KWh

ECO-Mode

Piazza range

Freely configurable pushbutton functions:

– Switch On/Off /Dim

– Shutters / slats adjustment

– Value setting fixed/step-by-step/toggle

– Load/program scene

– Start/stop effects

– Set operating mode for heating

– Presence on/off

– Fan setting

– Push: On/Off

– One button dimming and shutters

Orientation LEDs. The colour can be freely selected either in the form of a fixed setting or configurable via an object

Case study: Piazza in a hotel environment

Two Piazza 8 RGB devices are used as bedside panels in a hotel.
Another Piazza panelin the entrance area is used to control the whole
room. Piazza enables the optimal integration of modern, timeless switch
designs into the classic hotel room environment.

Surface, white plastic
Control of bed lights and main room lights
Control of sun blinds and shutters
Presence sensor in connection with the Fan-Coil room air con
Activation of Do-Not-Disturb and Make-Up Room functions
Alarm clock function and room alarm

Darker LEDs in night-time mode
Maximum functionality without being intrusive

The orientation and status displays of the Piazza devices provide the user with important information. However, in some situations or in a certain environment, the bright light level of the LEDs may be disturbing. The Piazza panels therefore offer dimmable LEDs which make it possible to adjust the light level to the surrounding environment. In addition, the devices can be switched into night-time mode via a communication object.

In night-time mode the LEDs are shaded even further than in normal mode or, if required, they can be switched off altogether. Through a "wake up" function a device in night-time mode can be woken up for a configurable period and the user can see all the status information. Once the configured time has expired, the LED status automatically returns to the night value. The Piazza devices are therefore perfect for bed rooms where the bright lights of an LED may otherwise be disturbing during the night.

Alarm and notification
Sometimes every second counts

When running a building, the operator is always confronted with different events and information of varying degrees of importance. For example, an open window on the top floor may well be of importance. However, as it cannot be reached by any potential burglars and is protected from the rain by a porch, this information is much less important than, for example, an open French window on the ground floor or an open skylight. If water leaks from a broken washing machine and the humidity sensor in the laundry sounds the alarm, immediate action may be required to avoid any major damage.

In all Piazza devices the available RGB LEDs can be used effectively in order to visualise an occurring alarm. An alarm module is available which allows for the display of up three different alarms. LED colour, position and pattern can be freely chosen and assigned to the respective alarm. Not only can the different alarms be displayed on the device, the importance and quality of an alarm can also be visualised.

An alarm also immediately "wakes up" a Piazza device in night-time mode and shows the alarm at the maximum LED brightness level. The possibility to acknowledge an alarm through a communication object via KNX or any push button on the device make the alarm module complete.

Panel series Piazza – at a glance

Model Piazza 2

Model	Order no.:
Piazza 2 RGB, surface pure white glossy	81102-110-02
Piazza 2, surface pure white glossy	81102-110-12

Model Piazza 4

Model	Order no.:
Piazza 4 RGB, surface pure white glossy	81102-110-04
Piazza 4, surface pure white glossy	81102-110-14

Model Piazza 6

Model	Order no.:
Piazza 6 RGB, surface pure white glossy	81102-110-06
Piazza 6, surface pure white glossy	81102-110-16

Model Piazza 8

Model	Order no.:
Piazza 8 RGB, surface pure white glossy	81102-110-08
Piazza 8, surface pure white glossy	81102-110-18

IPAS – for buildings of the future

Since its establishment in 1996, IPAS stands for innovative products and solutions in building automation. Based on the global KNX standard, IPAS develops and manufactures devices and software for buildings of the future.

Every day our highly-qualified IPAS team rises to the challenge of developing the best technological and economical solutions for our clients. Knowledge, experience and creativity direct everything we do from development to production and distribution.

Informed by our project management experience and the global use of our products, IPAS today stands for sustainable values. It is our company policy to create and sustain employment, to assume responsibility for the community and to train young people.

Our relationship with our clients is based on fairness, cooperation and integrity.

In the manufacture of our products, we strive for the upmost quality taking into consideration resource saving technologies and manufacturing processes. Sustainability and environmental awareness are integral to our work. Our certified quality management system in accordance with DIN/ISO 9001, guarantees that all our processes meet these requirements.

It is our aim to always realise the individual wishes of our clients and to offer the best-possible solutions for your requirements, true to our maxim:

"A satisfied client is the best reference".

IPAS GmbH
Hölscherstrasse 27
D-47167 Duisburg
Tel.: +49 203 37867-0
Fax: +49 203 37867-10
email: support@ipas-products.com
web: www.ipas-products.com