



Winning by design

Innovative door communication system wins international design award

JÜRGEN HÖGENER – Products from the ABB Group often attract attention because of their technical attributes, and the Busch-Jaeger door communication system is no exception (Busch-Jaeger is a member of the ABB Group). But this product has gone one better by winning the iF product design award 2012. Not only that, but Busch-Jaeger was also

awarded the label “Interior Innovation Award – Winner 2012” in the run-up to the international furnishing trade fair “imm cologne” for four of its products: Busch-Welcome® audio outdoor station, Busch-Welcome® video outdoor station, Busch-Welcome® indoor audio station with display and Busch-WelcomePanel®.



From time immemorial, the front door of a dwelling has defined the portal, or border, between the resident's private living space and the rest of the world. The Busch-Welcome® product line from Busch-Jaeger harnesses 21st century technology to equip this most familiar and traditional of features with capabilities consistent with the comfort, safety and design demands of modern living.

The Busch-Welcome is an innovative door communication system suitable for numerous applications and requirement profiles. Modern two-wire technology, intuitive operation and elegant execution set new standards for both technical aspects and design. A comprehensive technical approach allows it to be easily integrated into the building system technology.

Title picture

Redefining your perception of doors. And winning a design award at the same time. Just what is it about the Busch-Welcome family of products that recently earned recognition for their design at the recent imm trade fair in Cologne? Shown here, the Busch-Welcome video outdoor station has a high-resolution colour camera with 104° diagonal coverage.

The system can provide audio and video front door communication for single or two-family houses, commercial properties

The Busch-Welcome IP gateway enables the audio/signals to be integrated in the building system technology.

or complexes of up to 15 residential units. It is ideal both for new buildings as well as modernization projects. The two-wire bus system facilitates simple and rapid installation. Available cables are often sufficient for installation. It is even possible to convert a system that is only fitted with bell buttons to a video outdoor station.

So to speak

On the outside of the building, the illuminated audio outdoor station allows callers to make their presence known and speak with the occupant. Full duplex operation (ie, a simultaneous voice transmission in both directions), hands-free operation

and suppression of noise interference ensure excellent voice quality and optimal communication. The audio outdoor station can be supplied either as a surface or flush-mounted installation in brushed stainless steel or white-coated metal. All models have a robust construction for protection against vandalism.

A room with a view

The high-quality color camera of the Busch-Welcome video outdoor station, with integrated voice function, captures a particularly wide field of view: 104 degrees diagonally. It can be adjusted to the structural conditions using a 15 degree adjusting facility. Switching over from day to night operation takes place automatically. Infrared LEDs ensure an additional illumination of the visual range to enable visitors to be easily recognized in the dark, too. Up to 12 bell buttons can be made available.

Inside, the indoor audio station can be equipped with a monochrome 3.8 cm (1.5 inch) display or a handset → 1. There are five different bell sounds to choose from; calls from the front door and from the floor can be differentiated. The volume is adjustable. Large, clear buttons ensure intuitive operation of the functions "door-opener," "mute" and "light." Installation of the display variant employs



two flush-mounted boxes rather than the one surface-mounted box used for the handset variant.

Better looking

The video capabilities of the system are taken up a level with the product known as the Busch-WelcomePanel®. With this, visitors are clearly shown with high resolution and strongly contrasting colors on a large 17.8 cm (7 inch) TFT touch-panel → 2. Six fast-access buttons and self-explanatory, touch-panel operations facilitate intuitive control of all the functions. During voice communication with the visitor outside the door, photos can be taken and stored. During an absence, three photos of each visitor are taken automatically after the bell has been rung. The Busch-WelcomePanel is easy to install on the wall.

When it is not being used for entry monitoring, the Busch-WelcomePanel also functions as a digital picture frame to show favorite photos. A standard SD-card is all that is required for showing the picture files on the display.

Busch-Welcome® system components

The central Busch-Welcome system, constructed in the form of a modular device, supplies and controls the constituent components, ie, it connects

the audio/video indoor/outdoor stations, the electric door opener and the hall light.

By means of the Busch-Welcome video outdoor distributor, several video outdoor stations can be connected to the central system. This is useful, for example, if a building has several entrances. In turn, the Busch-Welcome video indoor distributor offers the possibility of transmitting the video signal from the entrance door to the rest of the building. In this way, the display image can be received in different dwellings or in several rooms. The video indoor distributor can be supplied as a flush-mounted installation or modular device (REG).

The Busch-Welcome IP gateway for the Busch-ComfortPanel® enables the audio and video signals of the Busch-Welcome system to be integrated into the building system technology. By means of the IP gateway, the Busch-ComfortPanel becomes a convenient video indoor intercom system. The IP gateway connects the two-wire bus system of the Busch-Welcome system on the one side with the Ethernet IP network on the other.

Design inspiration

The new door communication system from Busch-Jaeger has also inspired

the design world: The Busch-Welcome was awarded the prestigious “iF product design award 2012” by the “iF international forum design.” Busch-Jaeger was also awarded the label “Interior Innovation Award – Winner 2012” for four of its products in the run-up to the imm cologne 2012 trade fair, where the awarded products were presented in a special exhibition.

The design of the Busch-Welcome system is indeed noteworthy, not only for its intuitive operation but also because of the first-class materials used and the excellent surface qualities of the finish. With its surface or flush-mounted installation and unobtrusive aesthetics it blends in harmoniously both outdoors and indoors with any architectural concept. For indoors, the products are aligned, in both form and material, to combine perfectly with Busch-Jaeger light switches and sockets. This holistic approach and uniformity of design ensure consistent optics in every room.

It is these qualities, and more, that attracted the favorable attention of the judges of two of the most famous international design awards in Germany.

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