

2014

S4-MI02

16x16 dot digital floor indicator

SP02

Speech processor with SD Micro card

panels

Custommade panels in a variety of materials

panels

buttons

Buttons in a variety of materials depending on style of lift and environment installed in

S4-PB05

CAN Bus connected push button using one master unit to connect up to 7 slave units

P DAHL

Specialist in Lift Electronics

Reliable, durable and elegant

Few things in a building are as noticeable as a lift. The lift becomes the natural meeting point for visitors, co-workers and neighbors on the way in and out of the building.

For brief moment perfect strangers meet in a confined space of but a few square feet and exchange pleasantries or awaits the destination in silence with their eyes fixed on a detail.

The lift has become such a natural part of everyday life that we've since far back have developed a social convention for how to travel in a lift. All this because there is few moments in life we let strangers so close.

The lift is such an important part of everyday life that if problems arise with a lift it can become a huge annoyance and cause disarray.

P Dahl has specialized in lift electronics and lift control units and strive to always produce products of high quality and durability - to fit in both everyday life and more exclusive settings.

We know the importance of having a system as fool-proof and smooth as possible, a system easy to install and maintain.

We also know the importance of having an aesthetic lift car or a lift car adapted to the environment it is installed in. P Dahl offers both solutions for more exclusive settings and for environments that require more durable solutions.

All the way from order to delivery

Contact with our salesmen is usually done through filling out a form downloaded from our website, but if You have special demands or questions our salesmen are only a phone call away.

Our salesmen have long experience of the lift industry and can answer most questions that might arise.

The panels are then delivered with pushbuttons, floor indicators, emergency lighting, emergency buttons, overload buzzers, emergency phones, etc.

Delivery is usually within three weeks after the approval of the design.

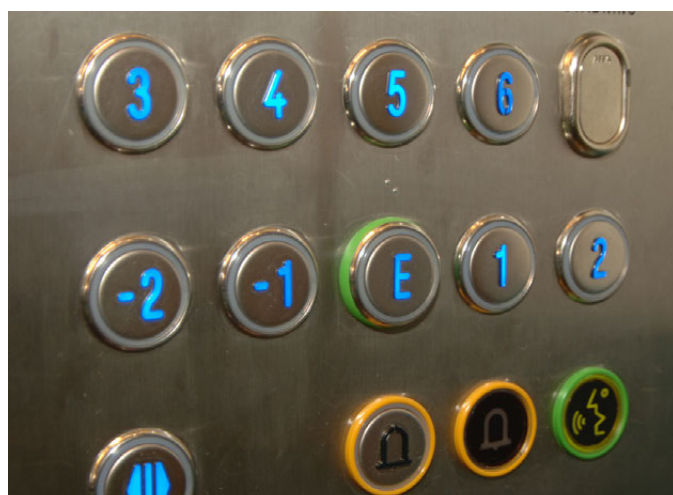


Panels in all its forms

Communications with the lift is done through the panels. The panels must therefore be informative, easy to use and fit in with the rest of the lift.

P Dahl have many years' experience of delivering panels to all kinds of environments and we have learnt over the years that no lift is like another. The demands of our customers differ considerably from simple to extravagant in all kinds of materials.

We usually work with polished or brushed metal panels in brass, aluminum or stainless steel, but if any other material is desired we will accommodate your needs.



Glossy surface for exclusive lifts

A well-polished glossy surface gives an exclusive impression. Used to advantage in glass lifts and provides a stylish setting and an airy impression.



Vandal resistant panel ready for transport

Sometimes the environment requires resistant panels. Perhaps a workplace with lots of traffic and transport, where the panel must be able to withstand a little beating, or a public lift without supervision that may need to resist vandalism.

Shock-resistant buttons, a panel that can withstand bumps and scratches, and clear outstanding, durable figures. The lift is capable to withstand tougher treatment, and still have a nice appearance.



Floor indicators in brushed steel panel

Brushed material also gives an exclusive feel and are less sensitive to fingerprints and stains.

We use our own floor indicator with good resolution gives a clear letter representation.





Communication with the traveler through floor indicators or speech processors

Clear information to the traveler can alleviate frustration during high load. EN81-70 also has requirement for how information should be presented for button feedback, arrivals etc. P Dahl offers several products that are used to communicate with passengers, both visually and with sound. Our floor indicators have large and clear displays that show both text and number of floors.

Floor indicators can be ordered in a variety of colors on the LED's and with both shiny and scratch-resistant window, depending on the wishes and the environment. Our floor indicators have also built-in arrival signal that sounds when the lift has reached its destination.



S4-MIO3 has an extra wide dot matrix of 32x16 dots. S4-MIO3 can be fitted to both landscape and portrait, which gives great flexibility for how information is displayed. The display above shows the height above the ground instead of the floor - one of our many tailor-made solutions.



SP02 is a speech processor developed by P DAHL. It has a built-in speaker, SD Memory Card Reader and MP3 player for playback of digital audio files.

Audible feedback

For the lift with the little extra you can also install a speech processor to read floor numbers or floor names. P Dahl has a sound bank with both female and male voices in several languages and can, if necessary, arrange customized recordings in several languages.

Speech synthesis using the MicroSD memory allowing hundreds of hours of recorded sound - all depending on the size of the memory card, and the size of the memory cards is the only limit for the number of floors supported.

In the lift you should feel safe

Unfortunately it happens that the trip can meet an unexpected end. Power failure or other unexpected causes can lead to that the lift stops. If the lift is equipped with an emergency power supply the lift can reach the next floor by its own machine, but if not it is important to have emergency lighting and emergency telephone.

We supply the panels with the necessary security accessories, so that travelers can feel secure even while they are waiting for the journey to continue.



S4-DF12 is a digital floor indicator that uses gateways to connect to the CAN bus. The S4-DF12 comes installed in a surface mounted box, perfect for installations where recessed floor indicators can't be used.

Longer wiring with gateways

Installations should be simple and long and complicated wiring in long shafts where space can be an issue can be time consuming and problematic.

Early on we started using the CAN bus interface to simplify wiring and allowing for simple connections between control unit and devices.

Using the S3 or S4 control unit will facilitate installation even more since P DAHL devices are recognized by the control unit and installations are quick and easy.

Our latest products uses gateways to allow even longer cables. The different gateways isolate the systems from the main CAN interface and reduces interference and allows for a more stable system. This is ideal for large systems with many floors and connected devices.

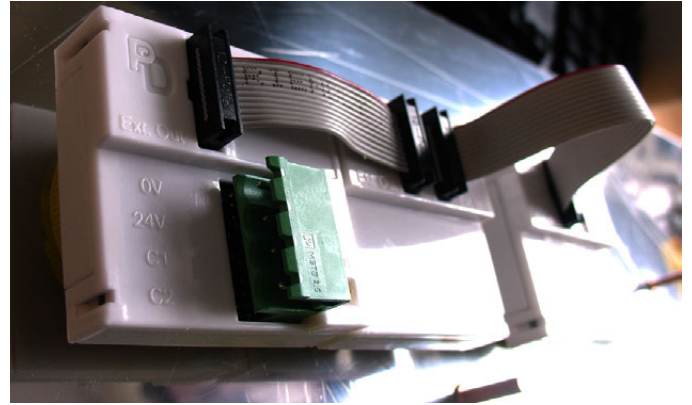
Easy installations

Besides using CAN bus wiring and gateways P DAHL uses button connectors using a master unit allowing for up to 7 slave units to be connected. Using flat cable the slave units are lined up and connected to the master unit.

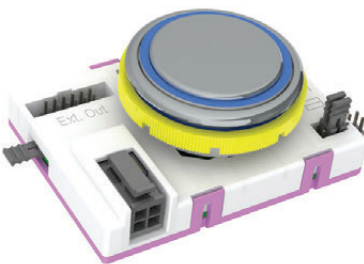
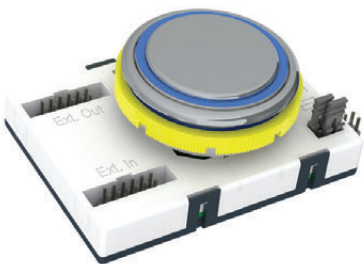
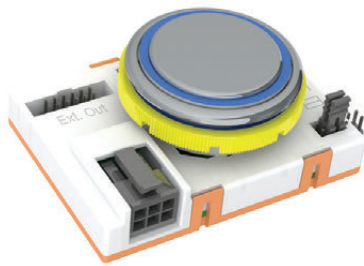
The behavior of the buttons is then programmed in the S4 or S3 control unit.

This holds down the number of cables needed and makes it easy to connect a large number of buttons.

P DAHL ships all panels fully configured and fitted, and if a control unit is shipped with the panel, the control unit is pre-installed on delivery.



S4-PB05 is serial-assembled. 7 slave units can be connected to a master unit, which facilitates the installation and reduces the number of connections.



S4-PB06

Our latest button S4-PB06 uses master and slave technology to create trails of buttons. 7 slave buttons can be connected to one master button.

S4-PB06 connects to the CAN bus through gateways, allowing for longer and isolated installations where interference from other devices are reduced.

The S4-PB06 uses color coding to make installations easier so that correct unit is connected to the correct gateway.

The S4-PB06 is a slimmer button that can be installed in a surface mounted box, only 23 mm thick.

The S4-PB06 is a push button that supports 4 types of illumination: center, single light (halo), dual light (center/halo) and multi-light (center/2 x halo).



S4-PB05

S4-PB05 uses the same slave-master technology as the S4-PB06. The S4-PB05 don't require gateways, but is connected directly to the CAN bus.

The S4-PB05 is a dual light push button with audible registration feedback.

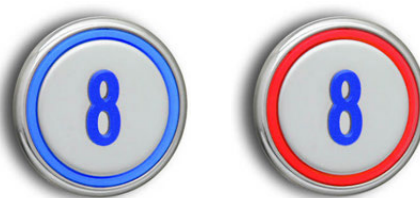
S4-PB05 is connected to the control unit with CAN-Bus connections while the connector is connected to each other with a flat cable.

A button for every need

The part of the panel exposed to the most wear is the button. The buttons have to cope with thousands and thousands of pushes and rough treatment, while they should be informative and look good.

It is best to choose a button after the environment in which our most durable key, **Panzer**, fit well in tough environments, while our **Dual Light** button with two separate sets of information fit for normal use.

B7 is another option with more disability-friendly buttons that fit well in public settings.



Dualight

Two separate sets of lights, one for illumination of letters and on for illumination of the ring.



Panzer

Vandal resistant button in stainless steel for harsh environments. Panzer can be illuminated either in the ring or in the middle or supplied without lighting, as the preference.



BF7

B7 is a larger button that is perfect for public buildings.

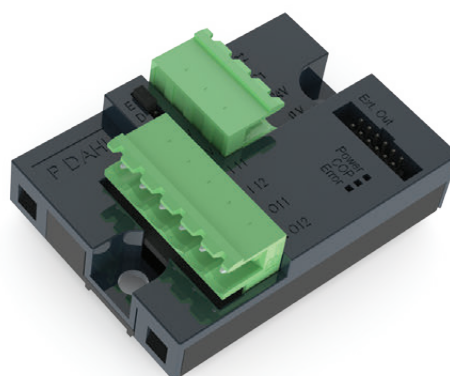
Going wireless

Some installations require special solutions. For example car lifts uses IR-transmitters to call the lift and some facilities requires that only authorized travelers uses the lifts.

For these cases we've developed the S4-PB05IIRC - an IR or RFID controlled device.

The user uses a RFID tag or an IR remote control to call the lift. The behavior of the call button is programmed directly into the S4 control unit.

Since the S4 control unit can be connected to the Ethernet, RFID tags can be added remotely without needing to be in direct access to the lift.



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