

Automation solutions for demanding applications

- Industrial grade I/O extension
- Basis for room automation
- Simple to install and highly efficient


Saia Burgess Controls products have been at the heart of industrial measurement, control and automation solutions for more than 30 years. Their long life cycles, adaptability and expandability are convincing arguments in their favour. This principle also applies to room automation systems from Saia Burgess Controls.

SBC E-Line System
Technology Platform for «Lean Automation»

Easy to install and commission

- Plug-in terminals
- Status LEDs for each input/output (e.g. for operating voltage, communication, error reporting)
RS-485 communications interface to automation system with address switch
- USB service interface for setting parameters and updating software
- NFC interface for smartphone app to allow easy adjustment of module settings. Also transferable to other devices (data cloning)



## Analogue I/O

PCD1.W5300

The extension module is designed as an analogue extension for the PCD1.M0 series, providing four inputs or outputs to suit all common industrial sensor types. Each input or output is electrically isolated and can be configured separately to be read and triggered individually by the control unit. The product also scores high for ease of service: mechanical address switches allow for clear, simple commissioning by any electrician. Costly specialists are not needed here.

## Light and Blind

PCD1.G1100

Alongside its two analogue and two relay outputs, the light and shade module also has four digital inputs. Operators can choose whether to use the Inrush relays either for direct switching of two lighting groups or to control one blind. Through integral measurement of the load current, blinds can be positioned and defects located. Digital inputs can be used by the operator to connect electrical switches. All inputs/outputs are permanently available to the PLC program via the communications port.


## Application Example

Room Automation PCD1.M0 and E-Line

In combination with a freely programmable Controller, E-Line extension modules ensure outstanding room automation. In addition to the integral inputs and outputs, users can benefit from numerous innovative features. For example, these devices are capable of mobile operation, with web+IT functionalities already onboard. Moreover, the Saia PCD1.M0 offers a range of ways to integrate additional systems within the room concerned across standard communications ports.

Example of system configuration: comfort of conference room


## System structure

Control, regulate, operate and monitor


Connection to web panels via PCD controllers also functions smoothly. Automation systems have the crucial advantage of requiring little space and being switchbox-compatible

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