

Individual room solutions

Freely programmable room controllers for tailored interaction between disciplines





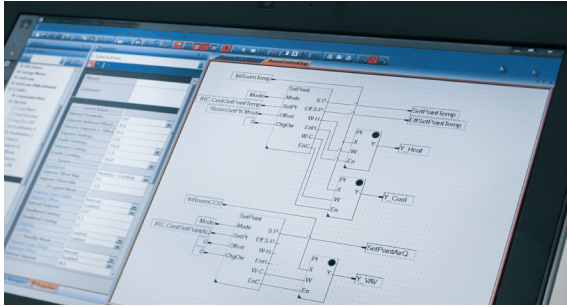
Tailored room control across all disciplines

With the flexible PCD7.LRxx-P5 room controller, individual, tailored room planning is possible for hospitals, office buildings and hotels. Because all disciplines are freely programmable, the applications can be adapted to specific customer wishes and building requirements. Programming is easy with a USB connection to the Saia PG5 Controls Suite.



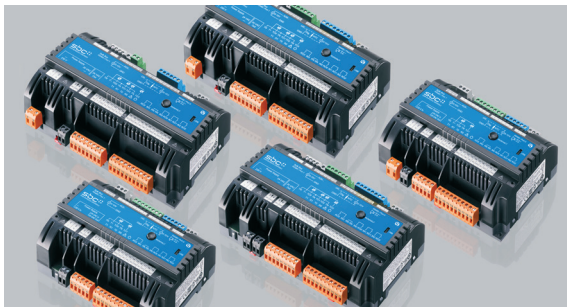
Individuality thanks to free programming capability

Because it is freely programmable, the room controller for HVAC, lighting and shading solutions offers a high degree of flexibility. What is more, other components such as DALI modules, motion sensors and hotel card readers can be integrated in order to implement multi-discipline applications, thus optimising energy consumption and improving the overall user experience.



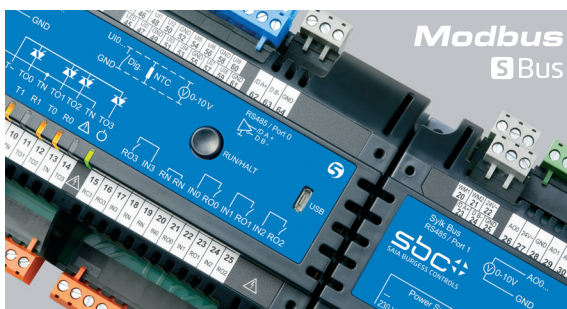
A single tool for efficient engineering

The room controller can be combined with other Saia PCD products in the Saia PG5 Controls Suite. This means that room and building management requirements can be jointly controlled and fulfilled via just one software tool. The room controller is simply connected with the Saia PG5 platform via USB for programming. No additional hardware is required.



Five sizes for various applications

The SBC room controller is available in five different variants – there are two small and three large versions with 24 VAC or 230 VAC. Thanks to various I/O configurations, it can be adapted to meet specific circumstances and needs. Multifunctional inputs offer flexibility for the integration of various disciplines according to individual requirements.



Scalable modular design

Two interfaces that can be configured as S-Bus or Modbus allow connection to higher-level building control systems as well as the integration of digital room control units or expansion modules. Wireless EnOcean integration of sensors and actuators also makes things easier.



Large selection of wall modules

Always the best fit for all rooms and functions. From our wired and wireless wall modules. For example Sylk-Bus wall modules with integrated temperature, humidity and CO₂ sensors combined with LCD display. Or the EnOcean range from PEHA. Or even the integration of third party Modbus devices.

« The freely programmable room controller allows you to adapt multi-discipline applications to the specific wishes of customers and achieve individual room concepts. »

Carsten Krämer
Product Manager

General data of the PG5 programmable room controllers

Application	Saia PG5 programmable room controllers for integrated HVAC, light and shading solutions
Communication	2 × RS-485 interface (S-Bus or Modbus configurable) < 115.2 kbps 1 × Sylk bus interface, up to 150 m, no polarity, for up to 4 Sylk wall modules 1 × USB 1.1 port as programming interface
Real time clock	Yes. With 72 hours super cap back-up
Programming	PG5 Controls Suite from v2.3., dedicated E-Suite2 libraries available
Program memory, DB/Text (flash)	128 kB
Main memory, DB/Text (RAM)	10 kB
Memory (data flash) for parameter backup	1000 Media (R, F, T/C)
Power supply	230 VAC -15/+10% or 24 VAC ±20%, 50/60 Hz
Terminals	Removable screw terminal blocks for all connections, 1.5 mm ² max.

Overview of the available PG5 programmable room controllers

Type	Relays	UI	AO	Triac (24–230 VAC)	24 VAC output for field devices	Power supply	Dimensions	Weight
PCD7.LRL5-P5	4	10	6	4	600 mA	24 VAC	198 × 110 × 59 mm	565 g
PCD7.LRL4-P5	4	10	6	4	300 mA	230 VAC	198 × 110 × 59 mm	1055 g
PCD7.LRL2-P5	4	6	2	4	300 mA	230 VAC	198 × 110 × 59 mm	1055 g
PCD7.LRS5-P5	4	4	4	2	600 mA	24 VAC	162 × 110 × 59 mm	565 g
PCD7.LRS4-P5	4	4	4	2	300 mA	230 VAC	162 × 110 × 59 mm	975 g

Overview Sylk-Bus Wall modules

Type	Description	Dimensions	Weight
PCD7.LR-TR40	Temperature	84 × 121 × 20 mm	120 g
PCD7.LR-TR40-CO2	Temperature + CO ₂	84 × 121 × 20 mm	145 g
PCD7.LR-TR40-H	Temperature + humidity	84 × 121 × 20 mm	120 g
PCD7.LR-TR40-H-CO2	Temperature + humidity + CO ₂	84 × 121 × 20 mm	145 g
PCD7.LR-TR42	With LCD display, temperature	84 × 121 × 20 mm	135 g
PCD7.LR-TR42-CO2	With LCD display, temperature + CO ₂ sensors	84 × 121 × 20 mm	155 g
PCD7.LR-TR42-H	With LCD display, temperature + humidity	84 × 121 × 20 mm	135 g
PCD7.LR-TR42-H-CO2	With LCD display, temperature + humidity + CO ₂ sensors	84 × 121 × 20 mm	155 g

Accessories

IRM-RSC	Set of 10 covers for connectors for the LRS version (short)
IRM-RLC	Set of 10 covers for connectors for the LRL versions (long)

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