

« The E-Line controller's modular design makes it suitable for almost any application. This means it is the ideal partner for automating buildings. »

Daniel Keinath
Product Manager Building Automation

General data and applications

Feed-in voltage	24 VAC/DC
Program memory	512 kB
User memory for DB/Text (FRAM)	128 kB
Onboard user flash file system on board	128 MB
Service interfaces	USB and NFC
1 × Ethernet switch	2 Ports, 10/100 Mbps, full-duplex, autosensing, autocrossing
2 × series interfaces	RS-485 with galvanic separation Bit rate: up to 115200 bps
Clock	RTC supported for at least 1 week via capacitor
Terminals	Push-in spring-loaded terminals, max. 1.5 mm ²

Order information

Type		Digital input	Analogue input	Watchdog relay	Width
PCD1.M2220-C15	E-Line CPU with Eth, 512 kB	4	2	1	10 units (175 mm)

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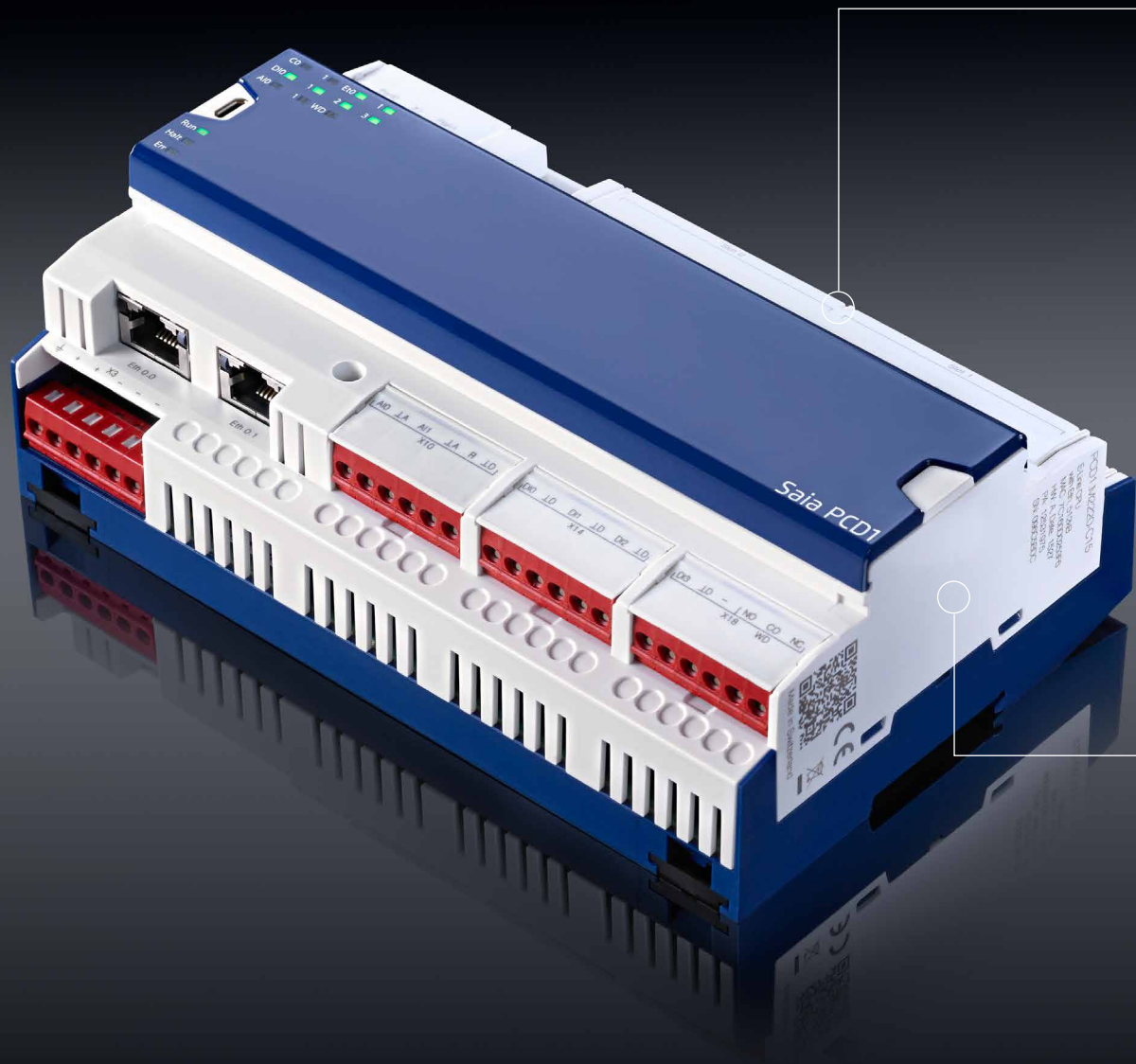
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E-Line Controller

The right solution for your needs





Compact, freely programmable and open in all directions

The Saia PCD1 E-Line controller was specially developed for building automation and can be adapted to whatever your needs are for the various application areas. The freely programmable controller allows for a very large pallet of interfaces, laying the foundations for communication across floors. Meanwhile, the implemented IT protocols ensure that the controller is seamlessly integrated into the existing IT environment.

The E-Line family's highly compact housing is ideal for installation in an electrical sub-distribution board. Swiss industrial quality additionally guarantees high reliability and a long service life.



Can be expanded to fit your requirements

In addition to the existing on-board inputs and interfaces, the controller can be quickly expanded using slots and adjusted simply to a range of applications. Communication interfaces like BACnet, LON, KNX, DALI, EnOcean, Modbus, M-Bus etc. can all be used flexibly.



Adaptable online operation thanks to integrated web server

The web and IT technology is already integrated in the Saia PCD controller. It can be easily operated both locally and remotely on the web server. This means the control level can be disposed of entirely for smaller applications. To operate locally, for example, simply connect a room panel.



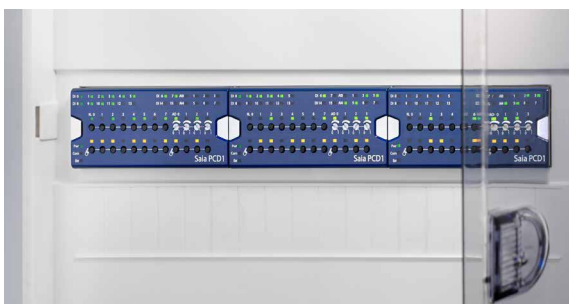
Ready for the future

Our long life cycle, together with the controller's freely programmable design, means that it is already prepared for future requirements. All applications can be adapted at any time. The battery-free operation makes the controller simple to maintain. Service and maintenance are easy and efficient.



Ideal as a floor controller

Used together with the programmable E/A modules, the E-Line controller is ideal for controlling floors or areas. In this role, it serves as the master station and interface to the control level. The programmable E/A modules can also be operated independently from the master station in individual rooms.



Space-saving solution for smaller systems

You can use additional E-Line RIO modules to construct small systems in compact spaces. The modules' compact design allows you to use them in standard electrical distribution boxes, saving time and money.