E-Line RIOs
S-Series

Installation and service made easy

Saia PCD1
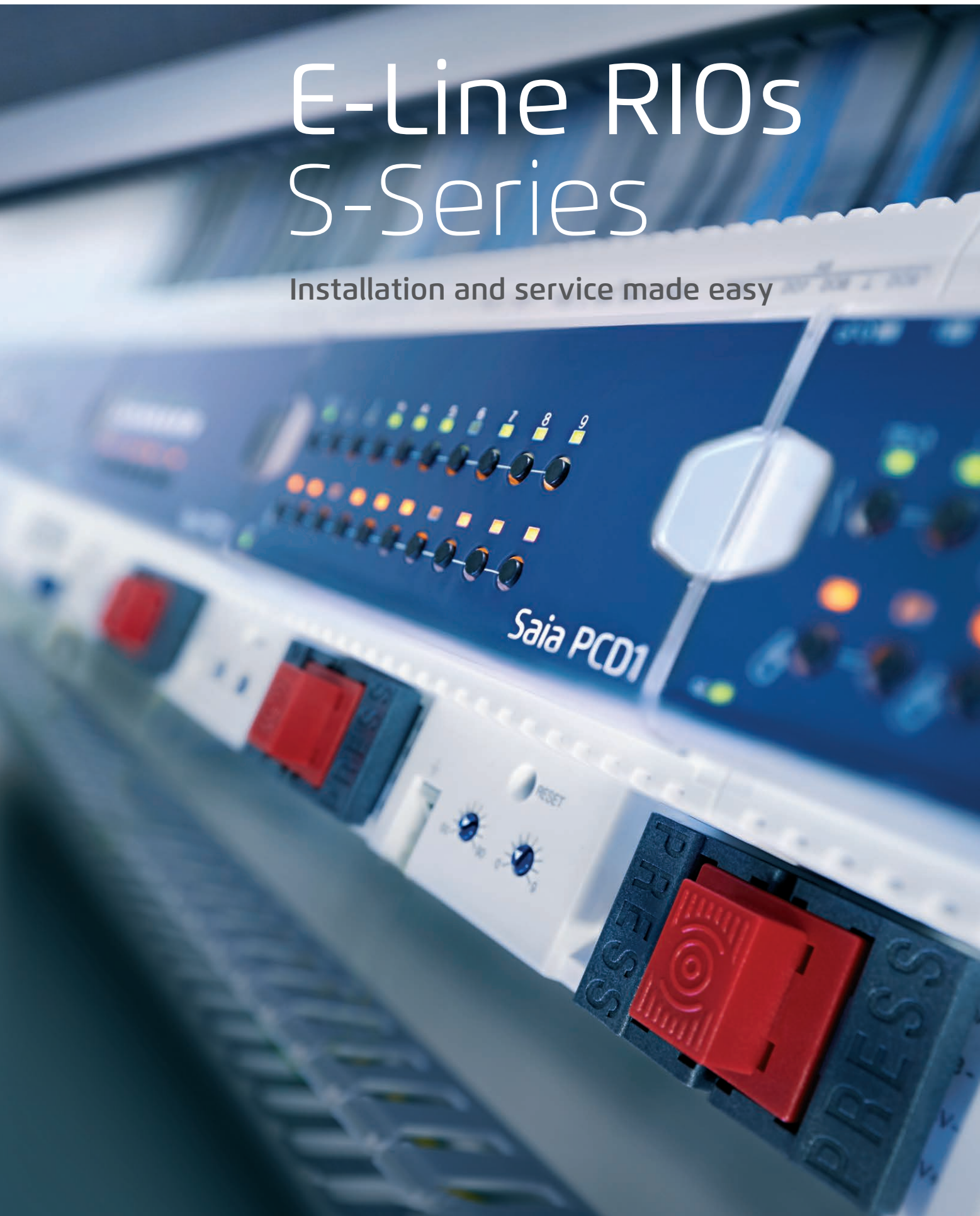
S Bus
Modbus


Reliable technology, easily combinable

With the E-Line RIO S-Series from SBC – featuring the «Made in Switzerland» industrial quality seal – you benefit from high reliability and long service life, whether the modules are installed centrally in a control cabinet or at widely distributed remote locations. Both installation scenarios can be easily implemented thanks to the compact design with 6 to 20 practically tailored data points per module. Commissioning is easy and requires no tools, and service activities can be performed on-site or via remote access. The S-Series complements the existing E-Line RIOs, which remain available under the new L-Series designation.
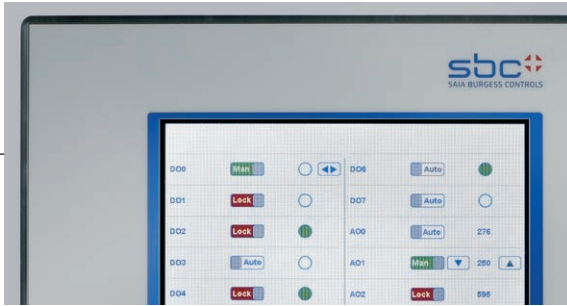
Manual operation – also remotely

The manual local override operating panel ensures fast commissioning and secure operation of your systems. Depending on the configured security level, changes can be made only with the buttons on the module or also remotely with a touch panel or web browser.

Compact, space-saving design with optimised IO mix

Their extremely compact design enables installation in the most confined of spaces, including inexpensive electrical sub-distributors according to DIN 43880. In addition, their combination of data points is tailored to applications in building control systems, reducing the number of modules needed per system.
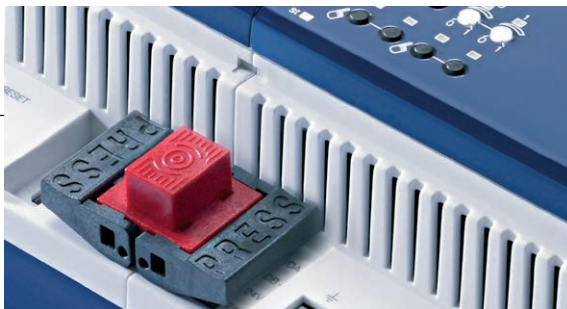
Easy wiring and commissioning

Wiring is fast and efficient with push-in terminals and bridge connectors for the power supply and the bus. No tools needed. Status indicators on all inputs and outputs are an additional aid for commissioning and service.

Fast engineering with ready-made templates

Programming is much faster and easier with the FBox libraries and Saia PG5 Web Editor templates developed for the E-Line. The templates reduce the likelihood of errors, which results in increased engineering efficiency.

Plenty of space for labels makes servicing and operation easier

Generously proportioned labelling areas provide the clarity that enables technicians and maintenance staff to easily identify the modules in automation control cabinets. In addition, the covers protect against accidental activation of manual override mode.

General data

Feed-in voltage	24 VDC
Communication	RS-485, S-Bus, Modbus, software-configurable Bit rate: 9,600, 19,200, 38,400, 57,600, 115,200 bps (autobauding) Integrated termination resistor
Terminals	Push-in spring-loaded terminals, max. 1.5 mm^2

S-Series ordering information

Type	Digital input (DI), universal input (UI)	Relay, triac Digital output (DO)	Analogue output	Manual override operation	Width
PCD1.A1000-A20	–	10 DO 24 VDC, 0.5 A	–	Yes	6 units (105 mm)
PCD1.A2000-A20	–	6 relays 230 V, 16 A	–	Yes	6 units (105 mm)
PCD1.B1100-A20	4 DI	10 relays (6 NO, 4 CO)	–	Yes	6 units (105 mm)
PCD1.B1120-A20	16 DI	4 relays change over	–	Yes	6 units (105 mm)
PCD1.B5000-A20	6 DI 230 V	3 relays 230 V, 6 A	–	Yes	6 units (105 mm)
PCD1.B5010-A20	6 DI 24 VAC/DC	3 relays 230 V, 6 A	–	Yes	6 units (105 mm)
PCD1.E1000-A10	12 DI 24 VDC	–	–	–	6 units (105 mm)
PCD1.G2000-A20	6 UI	2 triacs 24…230 VAC, 1 A	2	Yes	6 units (105 mm)
PCD1.G2100-A10	8 UI	–	–	–	6 units (105 mm)
PCD1.G2200-A20	8 UI	–	4	Yes	6 units (105 mm)
PCD1.W5200-A20	–	–	8	Yes	6 units (105 mm)

UI: configurable for 0…10 V, temperature sensors NTC, PT, NI, digital input 24 VDC. See data sheet for details.

L-Series ordering information

Type	Digital input	Relay (NO/changeover)	Analogue input	Analogue output	Manual override operation	Width
PCD1.B1000-A20	4	10 (6/4)	–	–	Yes	6 units (105 mm)
PCD1.B1010-A20	24	10 (6/4)	–	–	Yes	6 units (105 mm)
PCD1.B1020-A20	16	4 (0/4)	–	–	Yes	6 units (105 mm)
PCD1.G5000-A20	16	8 (4/4)	8	4	Yes	6 units (105 mm)
PCD1.G5010-A20	12	4 (0/4)	12	8	Yes	6 units (105 mm)
PCD1.G5020-A20	8	4 (0/4)	16	4	Yes	6 units (105 mm)

Accessories

PCD1.K0206-005	E-Line labelling set 5 × 6 units
PCD1.K0206-025	E-Line labelling set 5 × 6 units, perforated

Additional information:
http://sbc.do/DiSnMhwQ

Swiss made