

Pozi Nr. 1

Flat Nr. 0

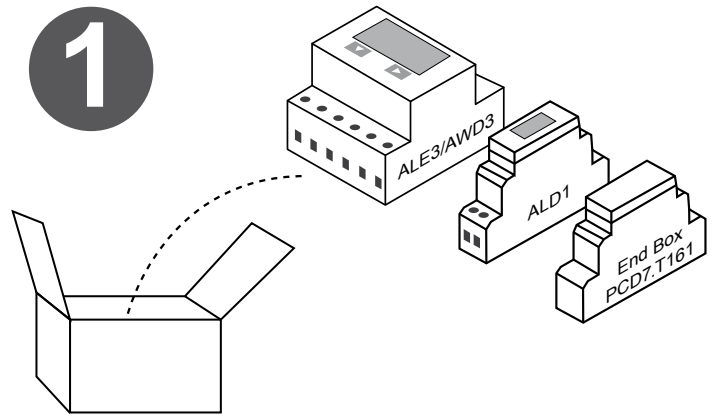


$\varnothing 1,5 - 16\text{mm}^2$

$\varnothing < 2,5\text{mm}^2$
for Tariff E1/E2

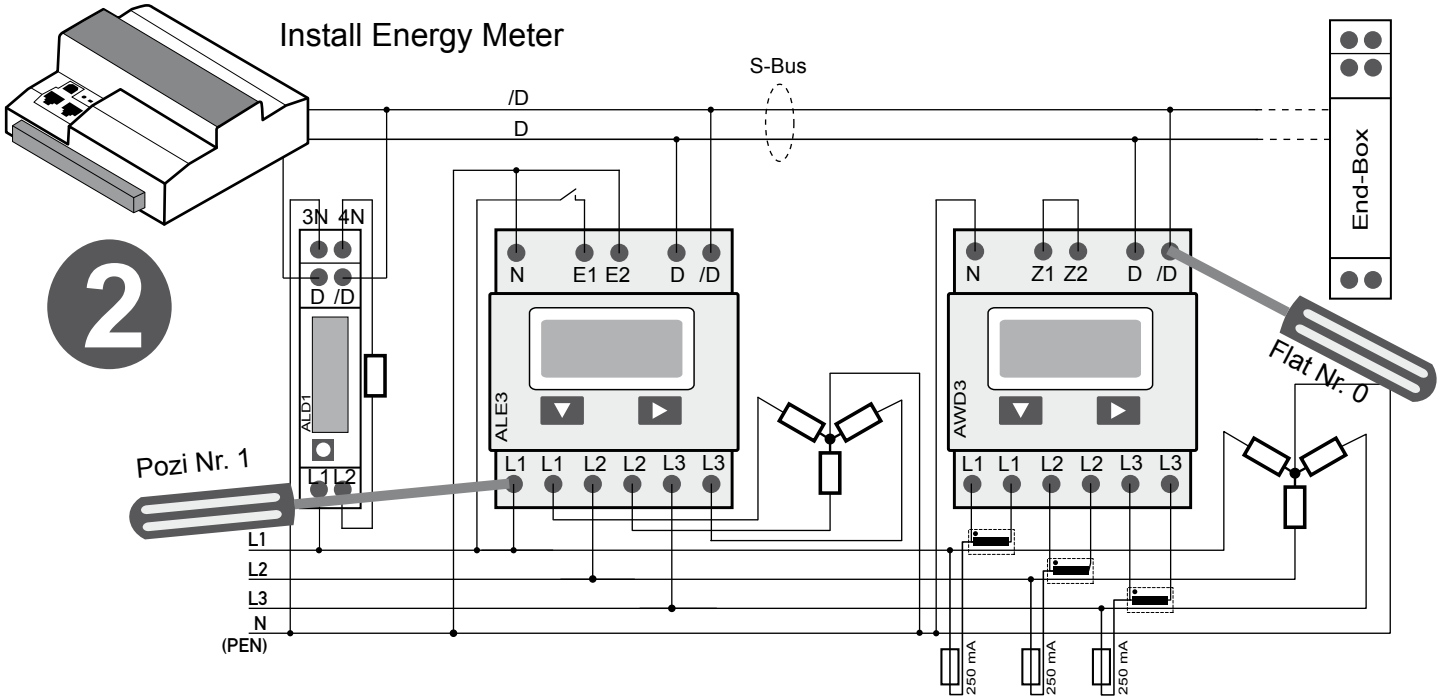
$\varnothing \text{CY } 0,5...0,75\text{mm}^2$
for S-Bus

1

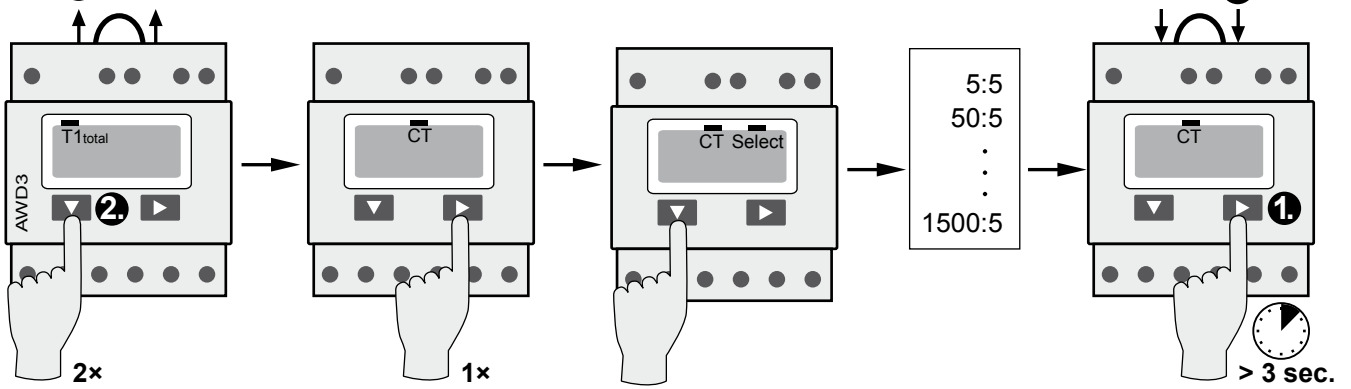


2

Install Energy Meter

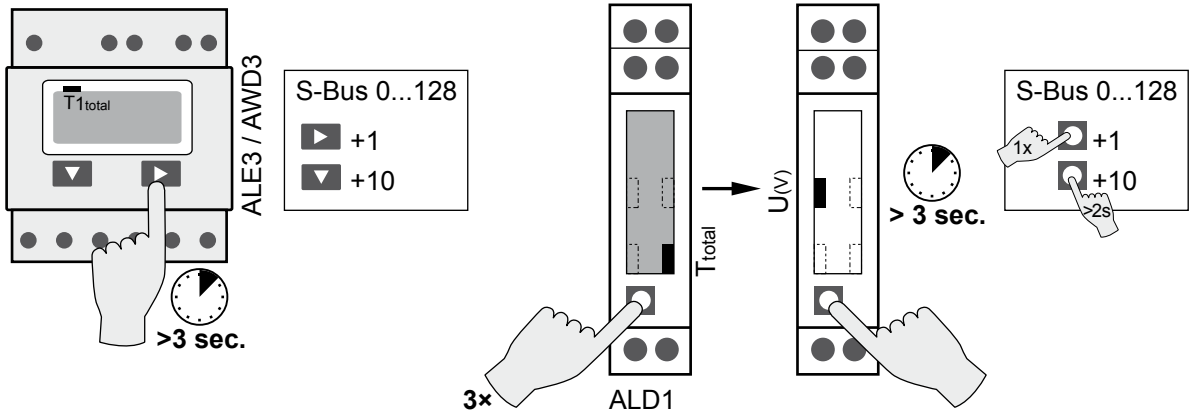


1 Transformer Ratio AWD3

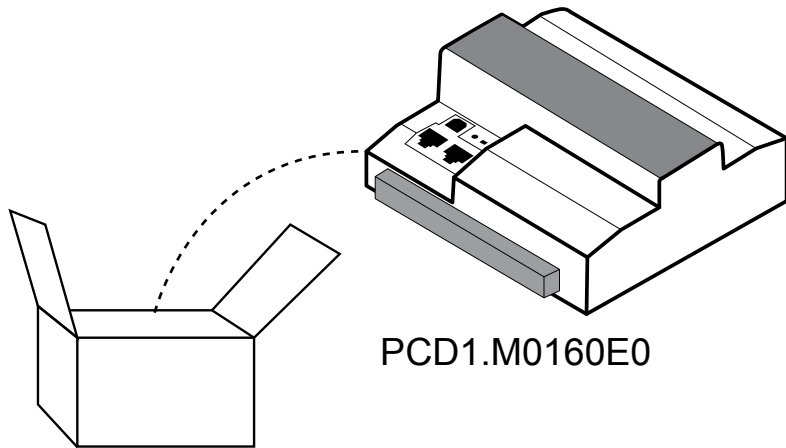


3

S-Bus address

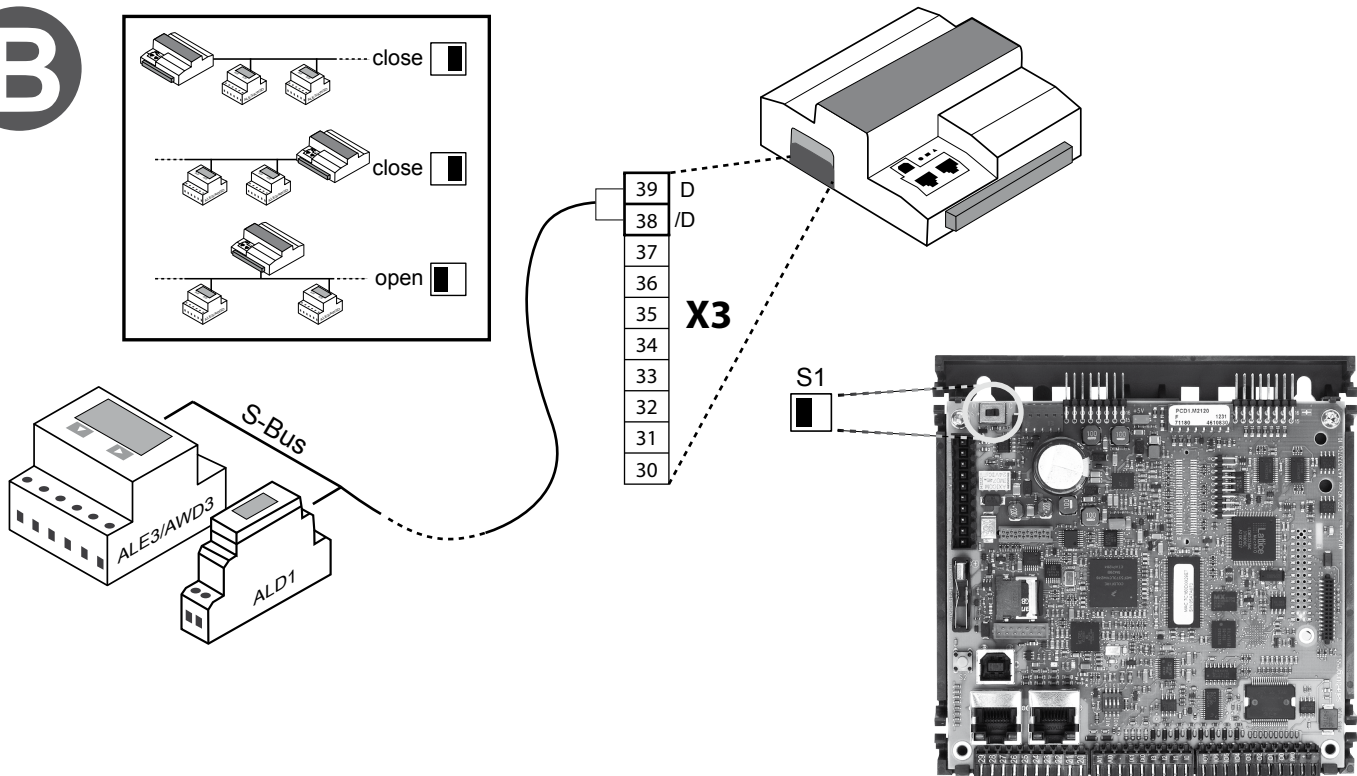


A



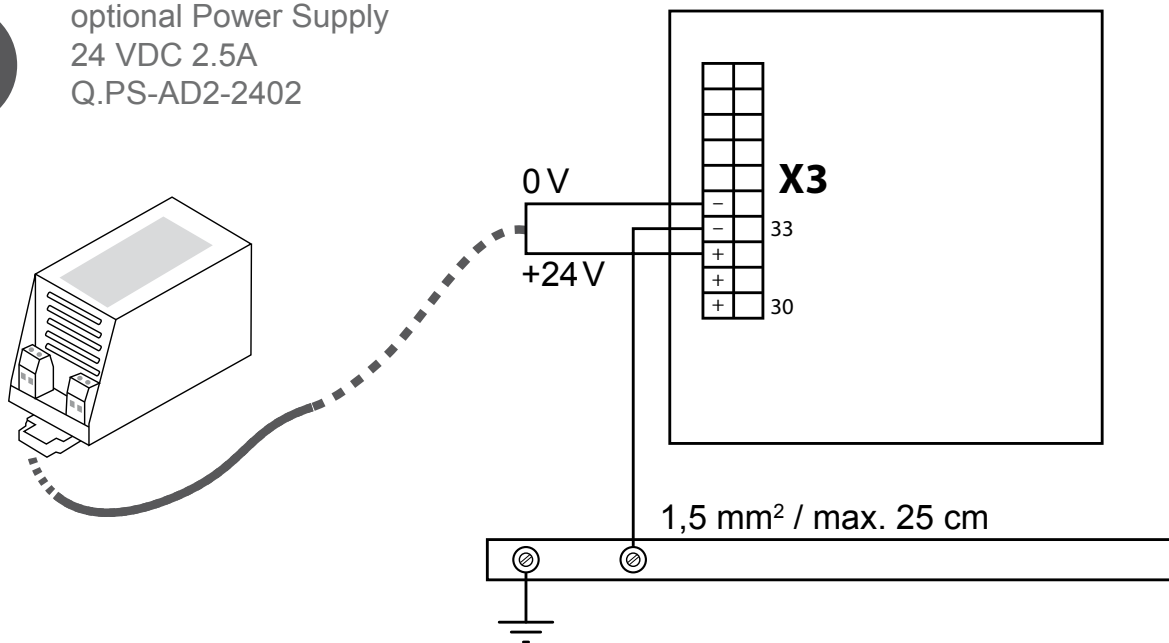
PCD1.M0160E0

B



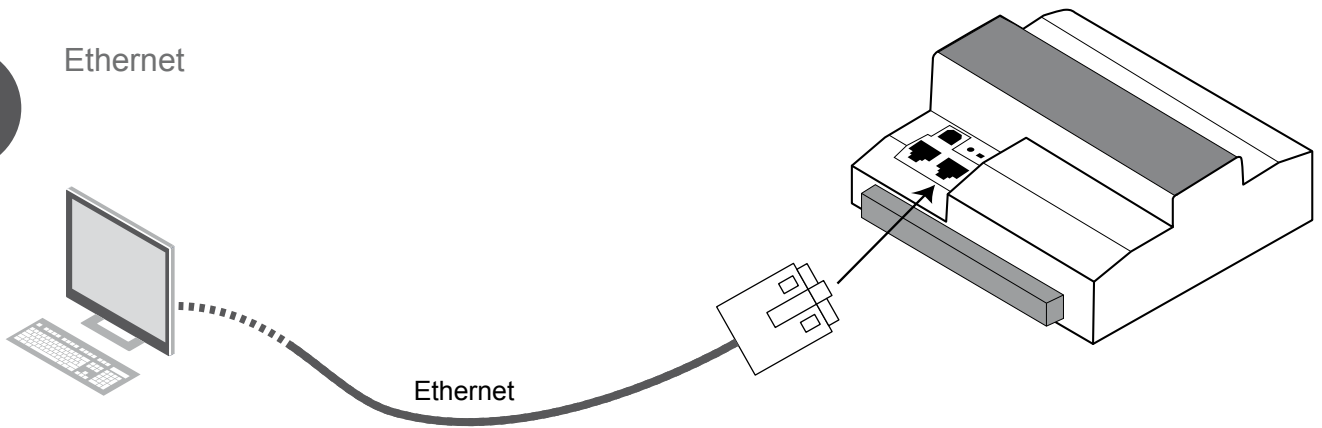
C

optional Power Supply
24 VDC 2.5A
Q.PS-AD2-2402



D

Ethernet



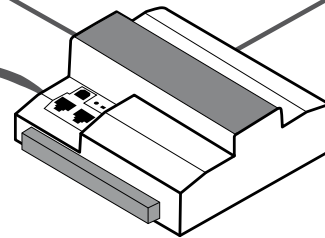
E



TCP / IP address

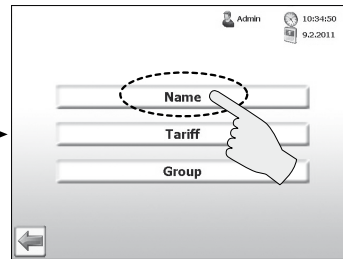
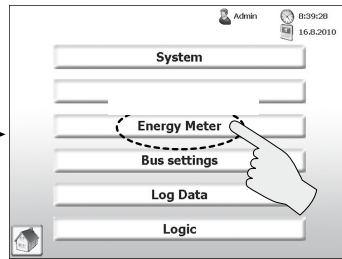
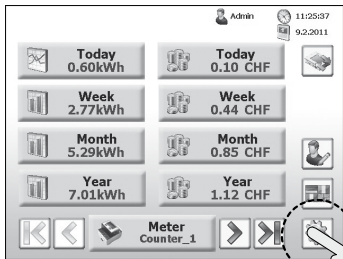
Subnet Mask

Default gateway



F

optional
Name

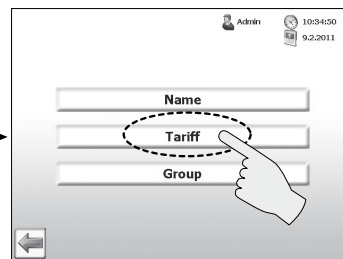
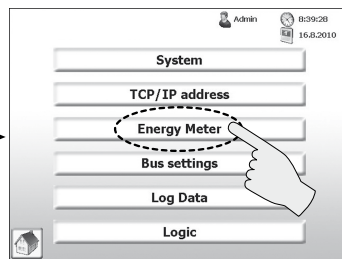
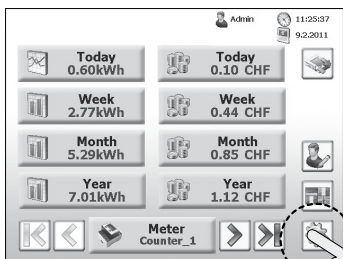


S-Bus address 1

Counter name
(max. 11 char.)

G

optional
Tariff



Tariff1 per kWh

Tariff2 per kWh

Currency
(max. 4 char.)

Power Supply and I/O Connections

X3 (Supply)	Pin
+24 VDC	30–32
0VDC	33, 34
WD relay	35, 36
not used	37
RS-485 /D and D	38, 39

X0 (I/O's)	Pin
PGND	0
+24 VDC ext.	1
PWM	2
Output 0-3	3–6
Mixed I/O 4-7 (default 0)	7–10

X1 (Inputs)	Pin
Input 0–3	0
Input 4, 5	11–14
AGND	15, 16
Analogue Input (default Ni 1000)	18, 19

X2 (Serial)	Pin
GND	20, 25
according inserted PCD7.F1xxx module	21–24, 26–29

Electromagnetic compatibility List (EMC)

This system is developed according to the international standard EN/IEC61131-2:2007 and complies with CE Directives 2004/108/EC (EMC), 2006/95/EC (Low voltage equipment).

Certificates



EAC Mark of Conformity for Machinery Exports to Russia, Kazakhstan or Belarus

Hardware

- Ship Approval is pending
- UL Approval is pending
- This version is fully approved for CE conformity
- To use the device in an electrical control cabinet, it is recommended to use a flexible or angled Ethernet cable. With a conventional network cable the mounting of the cover (electrical cabinet) can not be guaranteed.

Firmware

- Needs FW version 1.20.25 or higher
- The FW on the PCD can be updated via any S-Bus PGU port (serial line, USB, Ether-S-Bus).

Programming Tool PG5

To use this new product, PG5 V 2.1.100 or higher programming tool is necessary.

Disclaimer: The plant engineer contributes his share to the reliable operation of an installation. He is responsible for ensuring that controller use conforms to the technical data and that no excessive stresses are placed on it, e.g. with regard to temperature ranges, over voltages and noise fields or mechanical stresses. In addition, the plant engineer is also responsible for ensuring that a faulty product in no case leads to personal injury or even death, nor to the damage or destruction of property. The relevant safety regulations must always be observed. Dangerous faults must be recognized by additional measures and any consequences prevented. Consistent use of the diagnostic elements of the PCD, such as the watchdog, exception organization blocks (XOB) and test or diagnostic instructions shall be made.

Access visualisation

The PCD1.M0160E0 is preconfigured with IP address: **192.168.12.250**
Access from web browser: <http://192.168.12.250>

Further information

If you have any problems, questions or remarks, please contact Saia-Burgess Controls.
<http://www.sbc-support.com/>

Battery Replacement

Resources (registers, flags, timers, counters, character strings/ DBs, etc.) are stored in RAM. To prevent this content from being lost during a power failure, and to enable the hardware clock (if present) to carry on running, PCD1 devices are equipped with a back-up battery.

Type: Renata CR 2032 lithium battery
Buffer time: 1...3 years

In order to prevent data loss, we recommend changing the batteries while the PCD is still connected to the power supply.

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