

Project: **CAL-WIRELESS-BOX**

Client: **CALMS d.o.o.**

Address: **Doljenska cesta 83**
1000 Ljubljana



Project:

CAL-WIRELESS-BOX

Cover page

Drawing no.:
CAL-WIRELESS-BOX

Date:
24.10.2025

Created by:
N. Pavlovska

Location:

Revision:
0

Revision date:

Sheet:
1

Next sheet:
2

0 1 2 3 4 5 6 7 8 9

A

B

C

D

E

F

A

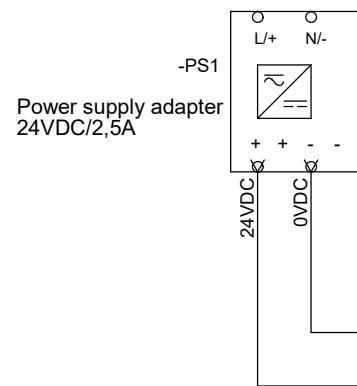
B

C

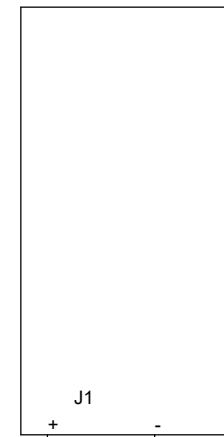
D

E

F



-CAL-WIRELESS-BOX



J1

+

-

•

0VDC → 4.0

24VDC → 4.0

NOTE:
Voltage used for power supply is also used
to supply sensors through connectors!

0 1 2 3 4 5 6 7 8 9

A

J2 connector

A

B

-24VDC -0VDC -RS485-A -RS485-B -DI1-COM -DI1 -DI2-COM -DI2 -DO1-COM -DO1 -DO2-COM -DO2

B

C

C

D

D

E

E

F

F

24VDC 0VDC RS485-A RS485-B

Modbus RTU sensor

0 1 2 3 4 5 6 7 8 9

A

J2 connector

A

B

-24VDC -0VDC -RS485-A -RS485-B -DI1-COM -DI1 -DI2-COM -DI2 -DO1-COM -DO1 -DO2-COM -DO2

B

C

C

D

2.9 > 24VDC 24VDC > 5.0
2.9 > 0VDC 0VDC > 5.0

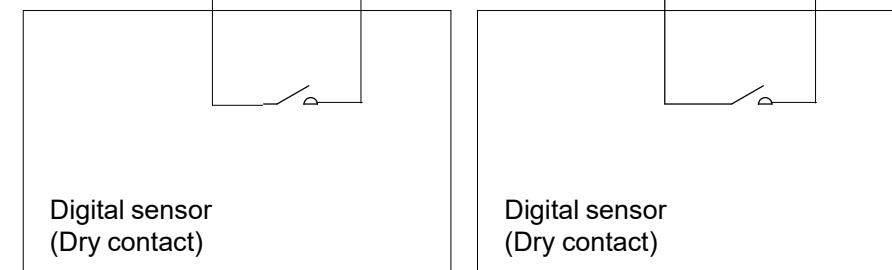
D

E

E

F

F



When contact is closed
DI1 is activated

When contact is closed
DI2 is activated

0	1	2	3	4	5	6	7	8	9
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A

J2 connector

A

B

-24VDC	-0VDC	-RS485-A	-RS485-B	-DI1-COM	-DI1	-DI2-COM	-DI2	-DO1-COM	-DO1	-DO2-COM	-DO2
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B

C

D

4.9 > 24VDC											6.0
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C

E

F

E

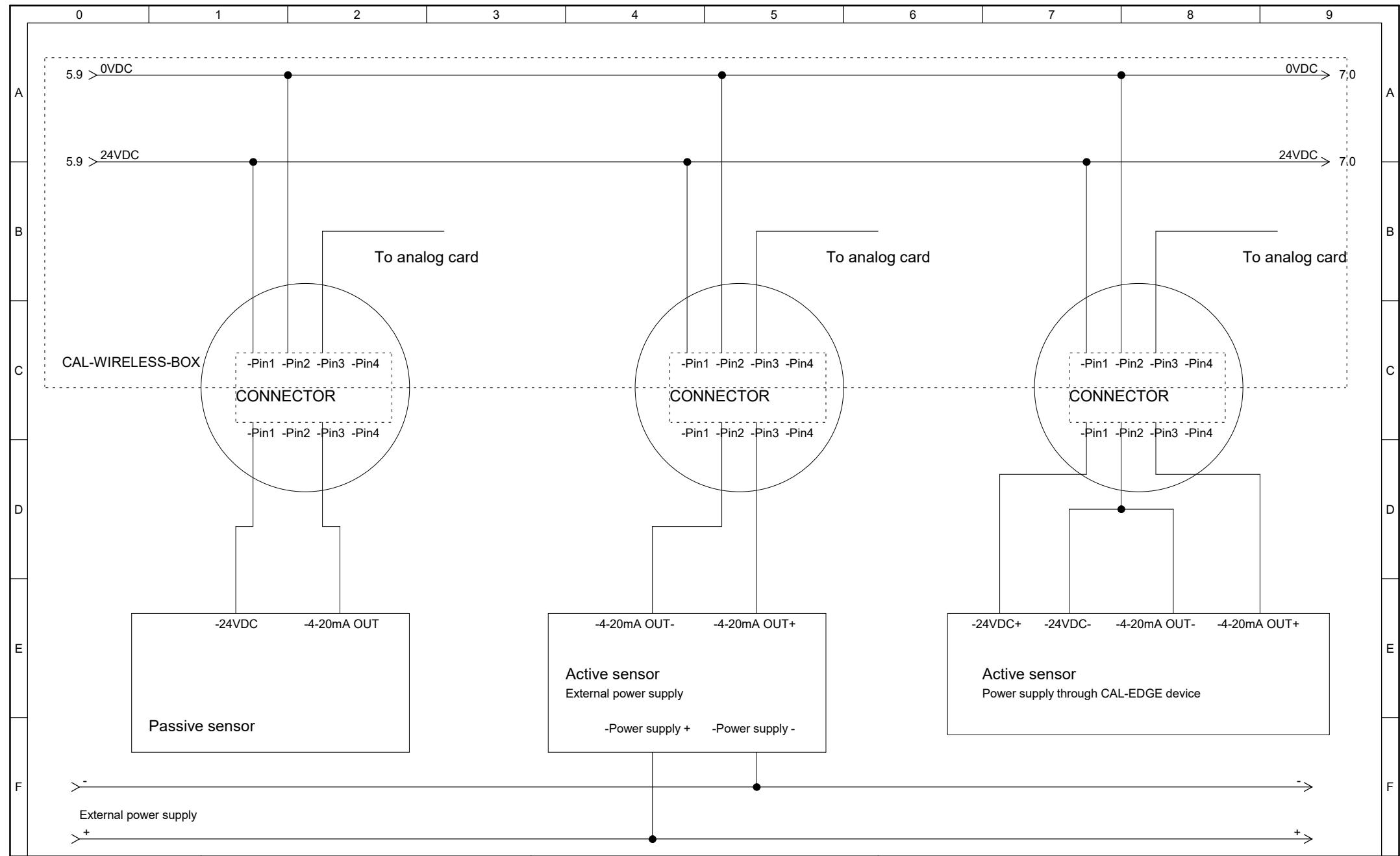
F

Max. switching current
3A/230VAC



When DO1 is activated
horn is active.

When DO2 is activated
coil is active.



0 1 2 3 4 5 6 7 8 9

A

Open-end connection wiring:
- brown wire = 24VDC
- white wire = 0VDC
- yellow wire = 4-20mA signal
- green wire = n.c.

Analog card

Channel 1

Channel 2

Channel +

Channel -

Channel +

Channel -



B

CAL-WIRELESS-BOX

CONNECTOR

-Pin1 -Pin2 -Pin3 -Pin4

A1 connector

CONNECTOR

-Pin1 -Pin2 -Pin3 -Pin4

A2 connector

C

E

F

A

B

C

D

E

F

All AI connectors are attached to CAL-WIRELESS-BOX enclosure.
Improper connection can damage the CAL-WIRELESS-BOX device!