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MANUAL

EXOCOMPACT ARDO, EEDO AND VIDO



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Rev. F, 2025-11-06

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1	Introduction.....	5
1.1	About EXOcompact	5
1.2	About this manual.....	5
2	General information.....	6
2.1	DIN rail mounting inside a cabinet.....	6
2.2	Maintenance and service	6
2.2.1	Changing the battery.....	6
2.2.2	Changing the fuse.....	7
2.2.3	Resetting the application memory	7
2.3	Display	8
2.4	Installation recommendations.....	9
3	EXOcompact Ardo.....	10
3.1	Status indications	10
3.1.1	XCA203...-4	10
3.2	Terminals and wiring diagram	11
3.2.1	Model XCA203W-4	11
3.2.2	Models XCA...-4.....	14
4	EXOcompact Eedo.....	17
4.1	Status indications	17
4.2	Terminals and wiring diagram	17
4.2.1	Models XCE...W-1.....	17
5	EXOcompact Vido.....	20
5.1	Status indications	20
5.2	Terminals and wiring diagram	20
5.2.1	Models XCV193...-2.....	20
Appendix A	Technical data	22
A.1	EXOcompact Ardo	22
A.1.1	General data.....	22
A.1.2	Inputs & Outputs.....	22
A.1.3	Communication ports	22
A.1.4	Serial ports.....	22
A.1.5	Ethernet port	23
A.1.6	M-Bus port.....	23
A.1.7	HMI	23
A.1.8	Material	23
A.2	EXOcompact Eedo	23
A.2.1	General data.....	23
A.2.2	Inputs & Outputs.....	24
A.2.3	Communication ports	24
A.2.4	Serial ports.....	24
A.2.5	Ethernet port	24
A.2.6	Material	24
A.3	EXOcompact Vido	24
A.3.1	General data.....	24
A.3.2	Inputs & Outputs.....	25
A.3.3	Communication ports	25
A.3.4	Serial ports.....	25
A.3.5	Ethernet port	25
A.3.6	M-Bus port.....	26
A.3.7	Material	26

Appendix B	Model overview	27
B.1	EXOcompact Ardo	27
B.2	EXOcompact Eedo	27
B.3	EXOcompact Vido	27

1 Introduction

1.1 About EXOcompact

EXOcompact is Regin's family name for compact and freely programmable controllers. These controllers provides built-in communication via EXOline, Modbus or BACnet and can be used either as stand-alone or for integration into EXOscada or other SCADA systems. User-friendly tools are available for flexible handling and easy access via the web server.

Currently three general models are available, i.e. EXOcompact Ardo, EXOcompact Eedo and EXOcompact Vido.

1.2 About this manual

This manual provides descriptions of the EXOcompact Ardo, Eedo and Vido hardware-related information concerning controller connections, wiring, mounting, maintenance and service, and so on.

All models are configured and commissioned by using Regin's EXOdesigner software, which is described in depth in EXOhelp.

Special text formats used in the manual:



Note! This box and symbol is used to show useful tips and tricks.



Warning! This type of text and symbol is used to show warnings.

2 General information

2.1 DIN rail mounting inside a cabinet



Caution! It is important to ensure that there is a distance of at least 5 cm between the controller and any transformer, especially if you are installing a controller with a built-in display.

To mount the controller:

1. Pull out the fastener.
2. Attach the controller to the rail.
3. Push in the fastener to secure the controller.

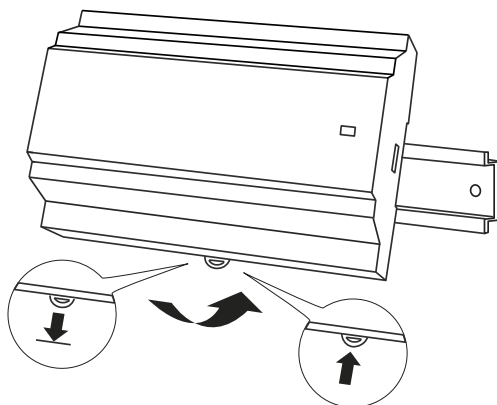


Figure 2-1 Attaching the controller to the DIN rail.

2.2 Maintenance and service



Warning! Before installation or maintenance, the power supply must first be disconnected in order to prevent potentially lethal electric shocks! Installation or maintenance of this unit should only be carried out by qualified personnel. The manufacturer is not responsible for any eventual damage or injury caused by inadequate skills during installation, or through removal of or deactivation of any safety devices.

2.2.1 Changing the battery



Warning! To prevent electric shock, the controller must be disconnected from power before the battery is changed.

To change the battery:

1. Disconnect the controller from power, and then remove the terminal protection covers (if wall mounted).

2. Remove the top of the casing by pressing the two tabs on each side of the casing, and then lift up the top of the casing carefully.

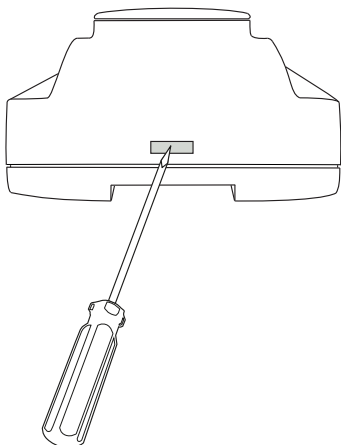


Figure 2-2 Removing the top of the casing.

3. Change the battery. A lithium CR2032 battery is used.
4. Assemble the casing carefully again.
5. Wire the controller, attach the terminal protection covers (if wall mounted), and then power up the controller.

2.2.2 Changing the fuse



Warning! To prevent electric shock, the controller must be disconnected from power before the fuse is changed.

To change the fuse:

1. Disconnect the controller from power, and then remove the terminal protection covers (if wall mounted).
2. Remove the top of the casing by pressing the two tabs on each side of the casing, see *Figure 2-2*, and then lift up the top of the casing carefully.
3. Change the fuse. A 6.3 AT 5x20 mm fuse is used.
4. Assemble the casing carefully again.
5. Wire the controller, attach the terminal protection covers (if wall mounted), and then power up the controller.

2.2.3 Resetting the application memory



Warning! This procedure should only be carried out by qualified personnel, since it requires advanced knowledge. The current application will stop running and the controller will return to its default settings which may damage the system.

The controller is reset by pressing the reset button on the side of the casing (at the bottom for EXOcompact Vido) by using something thin, such as a paper clip. After a reset, the controller starts up again with factory settings applied.

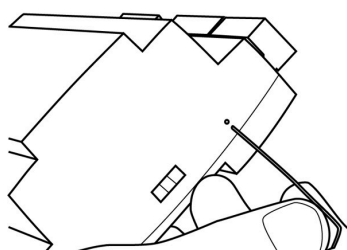


Figure 2-3 Resetting the application memory.

2.3 Display

The display has 4 rows of 20 characters each. It has background illumination. The illumination is normally off, but is activated as soon as a button is pressed. The illumination will be turned off again after a period of inactivity.

There are two LEDs on the front:

- ✓ The red LED is used for alarm indication and is marked with the  symbol
- ✓ The green LED is used for write indication and is marked with the  symbol

The display menu system is handled using seven buttons as shown in *Table 2-1*.

Table 2-1 Summary of the function of the buttons

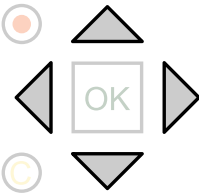
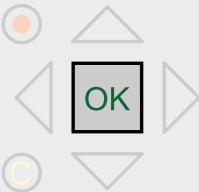
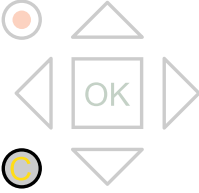
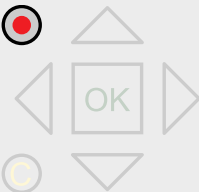
The buttons	Functions	Function in Alarm Mode
[▲][▼][▶][◀] 	Navigation buttons: ▲ Navigate upwards. ▼ Navigate downwards. ▶ Navigate to the right. ◀ Navigate to the left. In change mode: ◀ Move cursor to the left. ▶ Move cursor to the right. ▲ Increase the value by 1. ▼ Decrease the value by 1. ▲ and ▼ Scroll among the texts when there are several alternatives.	▲ Navigate up in the alarm stack. ▼ Navigate down in the alarm stack. ◀ Exit alarm display mode.
[OK] 	✓ Enter change mode. ✓ Confirm a new value in change mode. An input must be confirmed with this button in order to change the value in the controller. When a value has been confirmed, the cursor will move to the next manoeuvrable value in the current box.	✓ A menu with all available maneuvers that are available for the current alarm is displayed.

Table 2-1 Summary of the function of the buttons (continued)

The buttons	Functions	Function in Alarm Mode
[C] 	✓ Enter change mode and erase the value in the display. ✓ Erase the sign at the cursor. ✓ When the current value is completely empty, the maneuver mode is cancelled and the cursor will move to the next value that will also be erased in the window. ✓ Undo (erase) the input	✓ Closes the menu containing available alarm manoeuvres without changing the state of the alarm point.
[ALARM] 	✓ Enter alarm display mode.	✓ Browse among alarms in alarm display mode.

All EXOcompact controllers have a quick connection for an external display. The maximum permitted cable length for an external display is 100 m.

2.4 Installation recommendations

Follow these guidelines regarding shielded cables:

- ✓ Only use shielded cables when the installation environment requires it.
- ✓ No need for shielded cables between modules, if installed in close proximity
- ✓ Connect shield to chassis ground at only one end of the cable.

For RS485 communication, the terminal *N* is only required between systems not sharing the same ground potential. When used, do not connect it to the cable screen. Note that it may be a single wire, but must be drawn together.

When the cable length is less than 30 m in RS485, a terminator is not required in normal cases. The use of terminators will decrease signal integrity thus try without first. When used, match the terminator value to the characteristic impedance of the cable.

Wiring examples can be found under each specific EXOcompact Ardo, Eedo and Vido model in the following chapters.

3 EXOcompact Ardo

3.1 Status indications

3.1.1 XCA203...-4

A LED is located at the top of the controller cassette and provides information about the controller status and behaviour.

LED colour	Description
Green, solid	Power on and communication is established
Red, solid	Battery problem
Yellow, blink 2.5 Hz	Identification (wink)
Orange, blink 1 Hz	IO-board is not in contact with CPU-board (via EFX)

The upper left corner of the controller contains a status indication. Alarm indications are shown in the display

LED	LED behaviour	Description
P1 RxTx	Yellow/ Green	Port 1: Receiving/transmitting P2
P2 RxTx	Yellow/ Green	Port 2: Receiving/transmitting
TCP/IP	Green/ Yellow	Fixed green: Link Flashing green: Traffic Flashing yellow: Identification
P/B	Green/ Red	Power supply/Low battery level

3.2 Terminals and wiring diagram

3.2.1 Model XCA203W-4

The controller terminals are shown in *Figure 3-1* and described in *Table 3-1*.

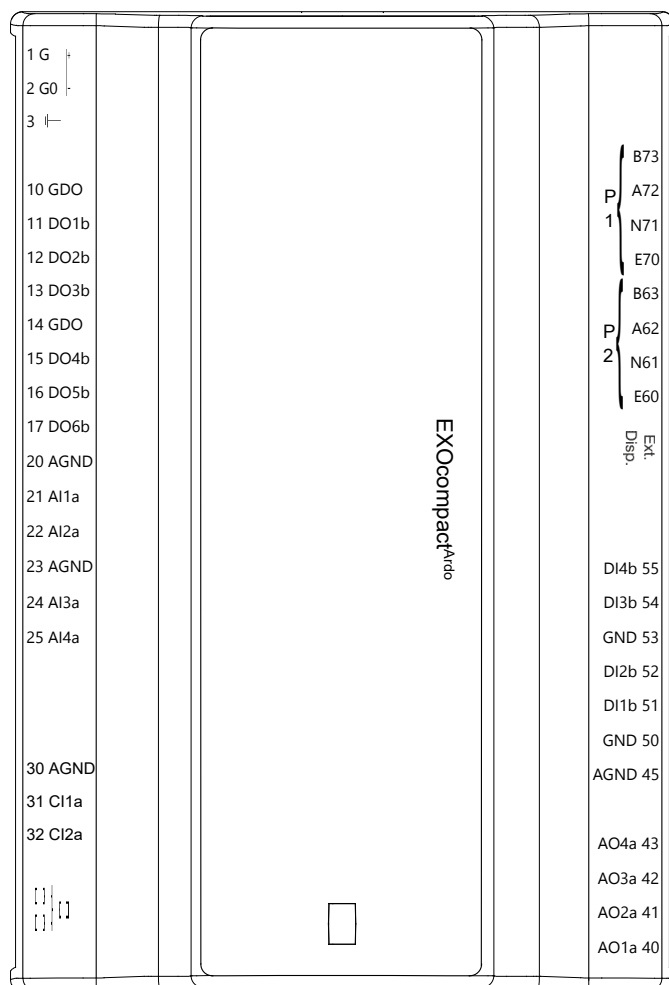


Figure 3-1 XCA203W-4 controller terminals layout



Note! This model can only be connected to 24 V AC, not DC.

Table 3-1 XCA203W-4 controller connection descriptions.

Terminal № and designator	Type	Description
1 G	Supply voltage	24 V AC supply voltage.
2 G0	Supply voltage (reference)	24 V AC supply voltage (reference).
3 —	Ground	Earth ground.
10 GDO 14 GDO	Supply voltage output	24 V AC supply voltage output for use together with digital outputs.
11 DO1b 12 DO2b 13 DO3b 15 DO4b 16 DO5b 17 DO6b	Digital output b	Mosfet output used for e.g. valve, 3-speed fan, blinds, or lighting control, or for alarms or forced ventilation.

Table 3-1 XCA203W-4 controller connection descriptions. (continued)

Terminal № and designator	Type	Description
20 AGND 23 AGND 30 AGND 45 AGND	Analog ground	Signal ground for analog inputs and outputs.
21 AI1a 22 AI2a 24 AI3a 25 AI4a	Analog input a	Input used for e.g. change-over detection or for temperature, CO ₂ , condensation, or relative humidity sensor.
31 CI1a 32 CI2a	Condensation input a	Input dedicated for Regin's condensation detector KG-A/1.
	Ethernet communication port	8P8C modular connector used for Ethernet - TCP/IP communication.
40 AO1a 41 AO2a 42 AO3a 43 AO4a	Analog output a	Output used for e.g. valve, damper, or EC fan control.
50 GND 53 GND	Digital ground	Signal ground for digital inputs.
51 DI1b 52 DI2b 54 DI3b 55 DI4b	Digital input b	Input used for e.g. presence, open window, or change-over detection.
Ext. Disp.	External display communication port	4P4C modular connector used for communication with an ED-RU-... room unit.
60 E 61 N 62 A 63 B	RS485 communication port	RS485 connector used for communication via BACnet, or for master/slave communication via Exoline or Modbus. This connection is not galvanically isolated.
70 E 71 N 72 A 73 B	RS485 communication port	RS485 connector used for communication via BACnet, or for master/slave communication via Exoline or Modbus. This connection is galvanically isolated.

The wiring diagram in *Figure 3-2* exemplifies controller connections usage.

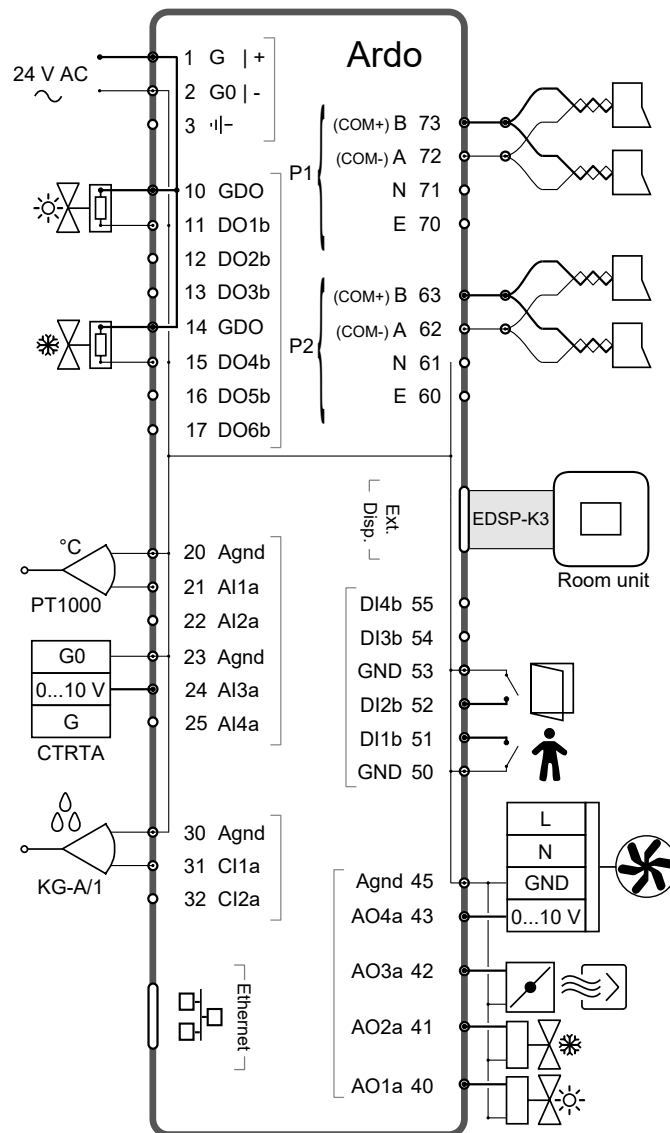


Figure 3-2 XCA203... wiring diagram exemplifying controller connections usage.

3.2.2 Models XCA...-4

The controller terminals are shown in *Figure 3-3* and described in *Table 3-2*.

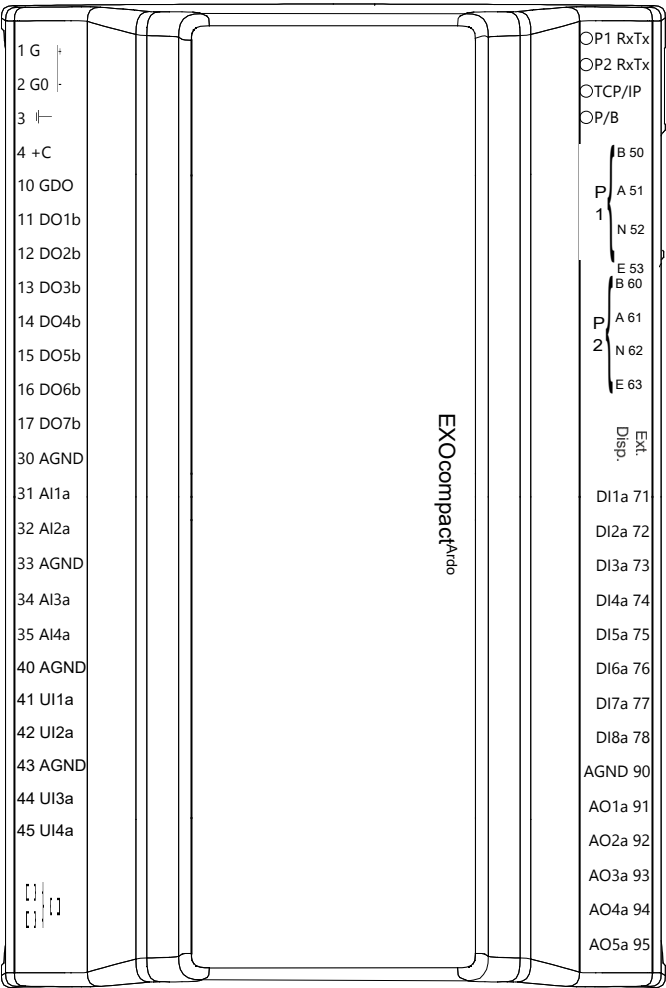


Figure 3-3 XCA283W-4 controller terminals layout

Table 3-2 XCA...-4 controller terminals descriptions

Terminal № and designator	Type	Description
1 G	Supply voltage	24 V AC supply voltage.
2 G0	Supply voltage (reference)	24 V AC supply voltage (reference).
3 —	Ground	Earth ground.
4 +C	+24 V DC, reference for DI	
10 GDO 14 GDO	Digital ground	Signal ground for digital outputs DO.
11 DO1b 12 DO2b 13 DO3b 14 DO4b 15 DO5b 16 DO6b 17 DO7b	Digital output b	Mosfet output used for e.g. valve, 3-speed fan, blinds, or lighting control, or for alarms or forced ventilation.
30 AGND 33 AGND 40 AGND 43 AGND 90 AGND	Analog ground	Signal ground for AI and AO.
31 AI1a 32 AI2a 34 AI3a 35 AI4a	Analog input a	Input used for e.g. change-over detection or for temperature, CO ₂ , condensation, or relative humidity sensor.
41 UI1a 42 UI2a 44 UI3a 45 UI4a	Universal input a	
	Ethernet communication port	8P8C modular connector used for Ethernet - TCP/IP communication.
50 B 51 A 52 N 53 E	RS485 communication port	RS485 connector used for communication via BACnet, or for master/slave communication via Exoline or Modbus. This connection is galvanically isolated.
60 B 61 A 62 N 63 E	RS485 communication port 2	RS485 connector used for communication via BACnet, or for master/slave communication via Exoline or Modbus. This connection is not galvanically isolated.
Ext. Disp.	External display communication port	4P4C modular connector used for communication with an ED-RU-... room unit.
71 DI1a 72 DI2a 73 DI3a 74 DI4a 75 DI4a 76 DI4a 77 DI4a 78 DI4a	Digital input a	Input used for e.g. presence, open window, or change-over detection.
91 AO1a 92 AO2a 93 AO3a 94 AO4a 95 AO5a	Analog output a	Output used for e.g. valve, damper, or EC fan control.

The wiring diagram in *Figure 3-4* exemplifies controller terminal usage.



Note! For models with M-Bus communication, port 2 is replaced by an M-Bus port.

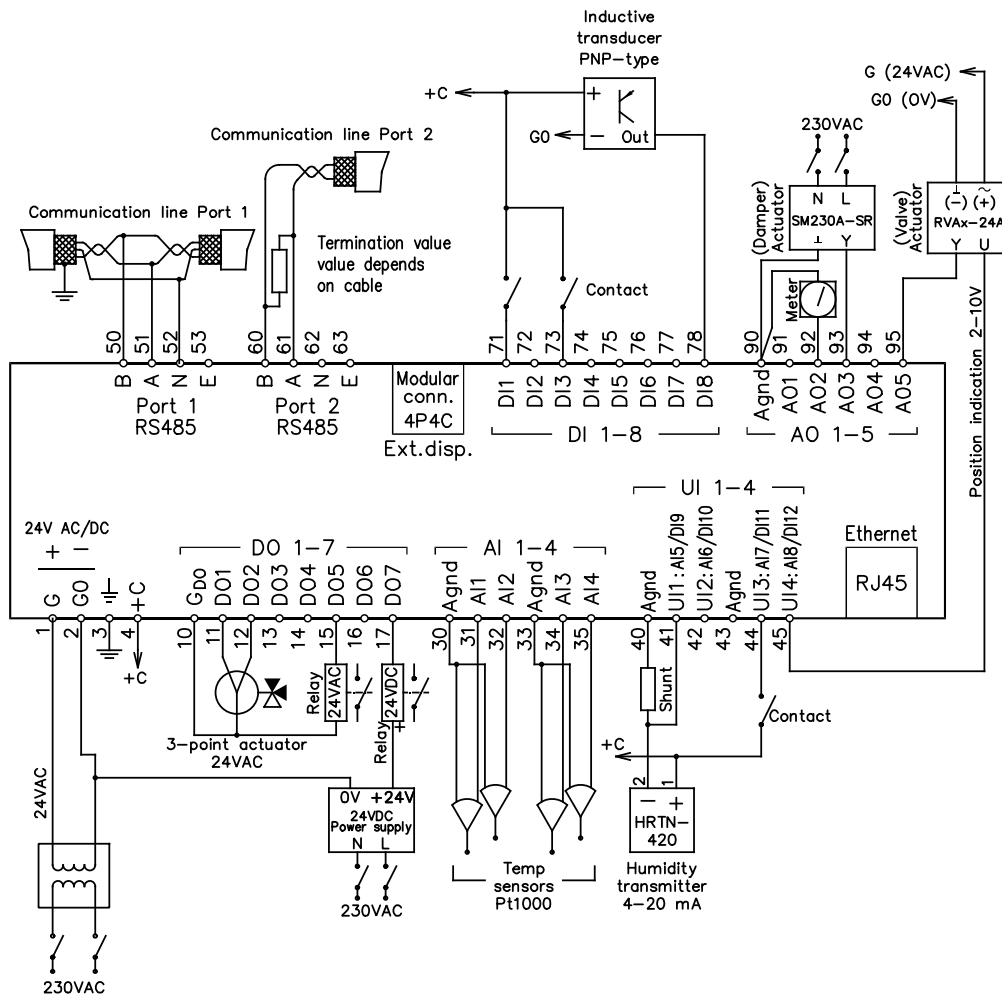


Figure 3-4 XCA...-4 wiring example, AC installation

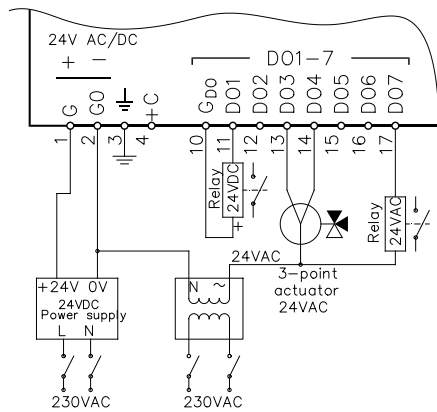


Figure 3-5 Wiring detail, AC/DC mixed installation

4 EXOcompact Eedo

4.1 Status indications

A LED is located at the top of the controller cassette and provides information about the controller status and behaviour.

LED colour	Description
Green, solid	Power is on and all is O.
Red, solid	Battery problem
Yellow, blink 2.5 Hz	Identification (wink)
Orange, blink 1 Hz	IO-board is not in contact with CPU-board (via EFX)

4.2 Terminals and wiring diagram

4.2.1 Models XCE...W-1

The controller terminals are shown in *Figure 4-1* and described in *Table 4-1*.

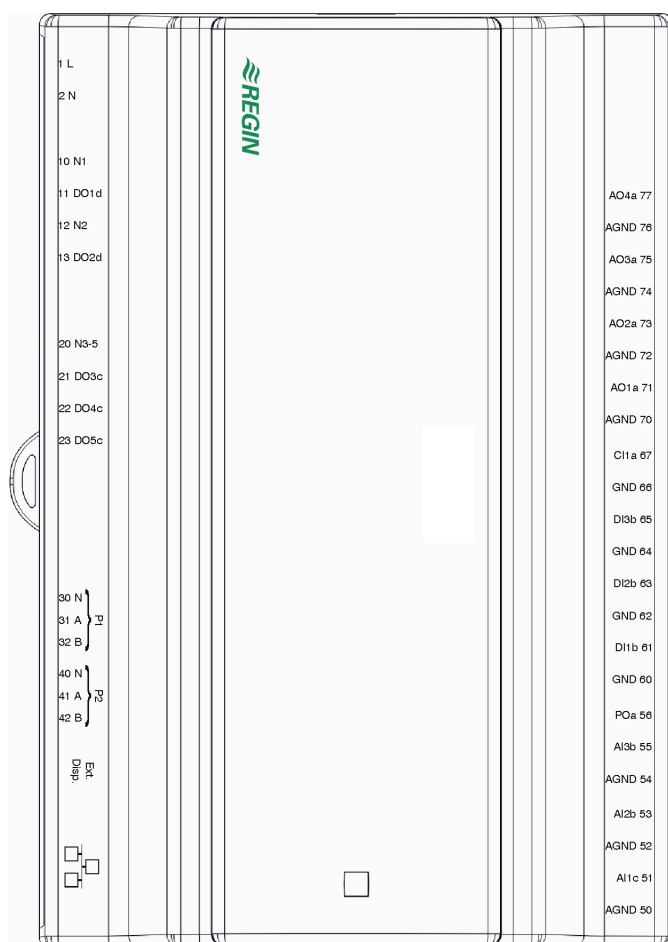


Figure 4-1 XCE163W-1 controller terminals layout

Table 4-1 XCE...W-1 controller terminals descriptions

Terminal № and designator	Type	Description
1 L	Supply voltage	230 V AC supply voltage
2 N	Supply voltage (neutral)	230 V AC supply voltage (neutral)
10 N1 12 N2 20 N3-5	Neutral	Digital output neutral
11 DO1d 13 DO2d	Digital output d	Triac output used for e.g. valve, blinds, or lighting control, or for alarms or forced ventilation
21 DO3c 22 DO4c 23 DO5c	Digital output c	Relay output used for e.g. 3-speed fan control
30 N 31 A 32 B	RS485 communication port 1	RS485 connector used for communication via BACnet, or for master/slave communication via Exoline or Modbus. This connection is galvanically isolated.
40 N 41 A 42 B	RS485 communication port 2	RS485 connector used for communication via BACnet, or for master/slave communication via Exoline or Modbus. This connection is not galvanically isolated.
Ext. Disp.	External display communication port	4P4C modular connector used for communication with an ED-RU-... room unit
	Ethernet communication port	8P8C modular connector used for Ethernet - TCP/IP communication
50 AGND 52 AGND 54 AGND 70 AGND 72 AGND 74 AGND 76 AGND	Analog ground	Signal ground for analog inputs and outputs
51 AI1c	Analog input c	Input used for e.g. change-over detection or for temperature sensor
53 AI2b 55 AI3b	Analog input b	Input used for e.g. CO ₂ , condensation, or relative humidity sensor
56 POa	Power output a	24 V DC supply voltage output e.g. used for powering a CO ₂ or condensation sensor
60 GND 62 GND 64 GND 66 GND	Digital ground	Signal ground for digital inputs
61 DI1b 63 DI2b 65 DI3b	Digital input b	Input used for e.g. presence, open window, or change-over detection
67 CI1a	Condensation input a	Input dedicated for Regin's condensation detector KG-A/1
71 AO1a 73 AO2a 75 AO3a 77 AO4a	Analog output a	Output used for e.g. valve, damper, or EC fan control

The wiring diagram in *Figure 4-2* exemplifies controller terminal usage.

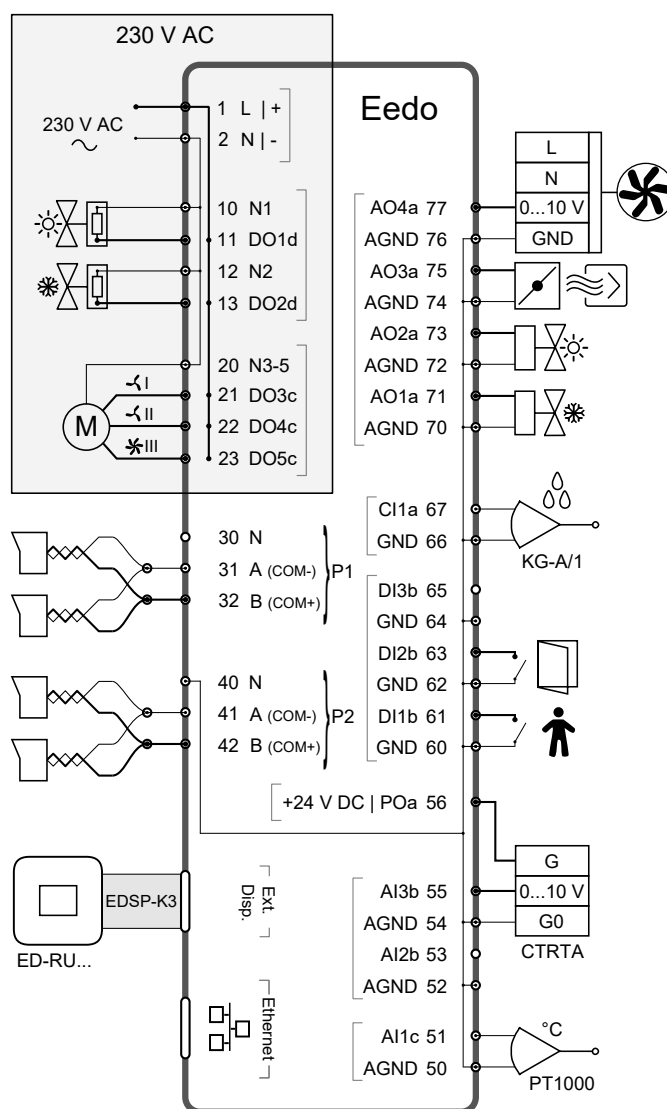


Figure 4-2 Wiring diagram exemplifying controller terminals usage

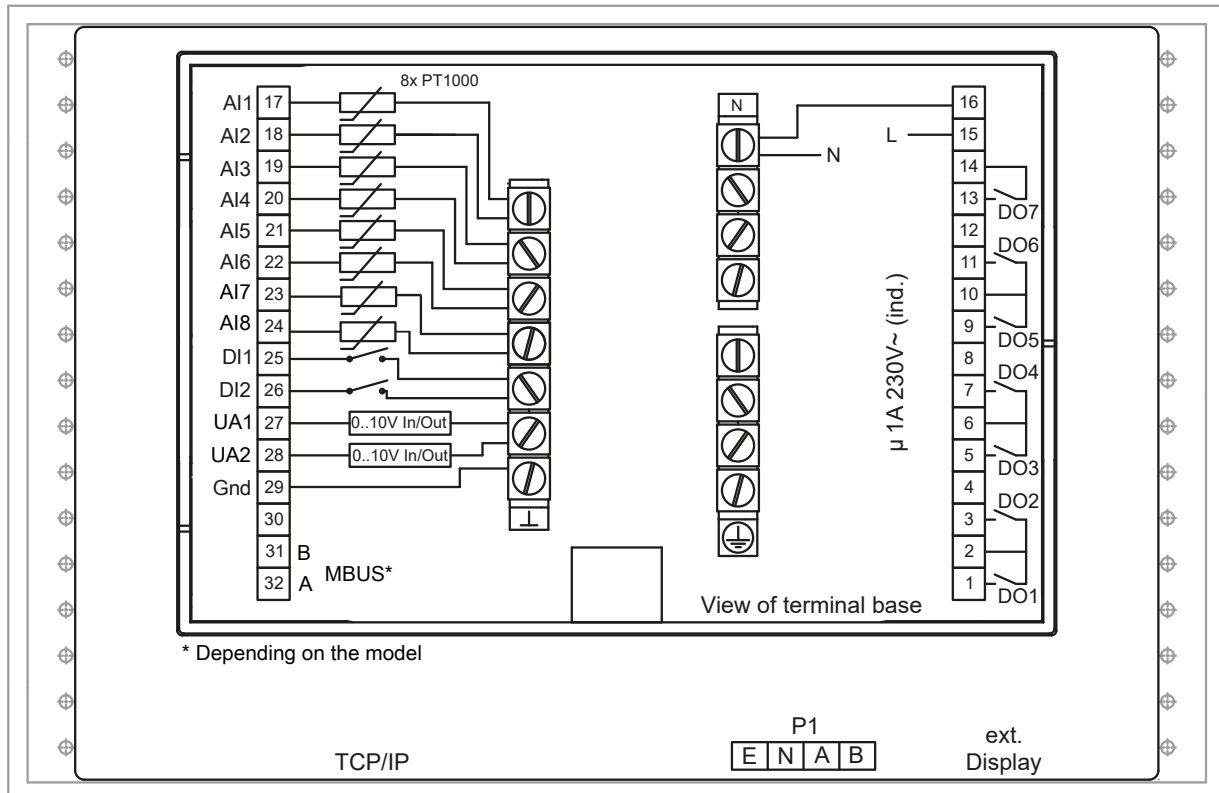
5 EXOcompact Vido

5.1 Status indications

No status indications are available for this model.

5.2 Terminals and wiring diagram

5.2.1 Models XCV193...-2



Note! Analogue inputs, digital inputs and universal analogue I/O:s must refer to a signal ground terminal.

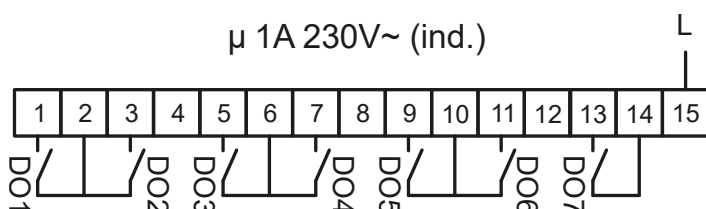
Table 5-1 XCV193...-2 controller terminals descriptions

Terminal № and designator	Type	Description
1 DO1	Digital output	Output terminal DO1
2	Power supply	Used for power supply to the digital outputs DO1 and DO2
3 DO2	Digital output	Output terminal DO2
4	<i>Not used</i>	
5 DO3	Digital output	Output terminal DO3
6	Power supply	Used for power supply to the digital outputs DO3 and DO4
7 DO4	Digital output	Output terminal DO4
8	<i>Not used</i>	
9 DO5	Digital output	Output terminal DO5
10	Power supply	Used for power supply to the digital outputs DO5 and DO6

Table 5-1 XCV193...-2 controller terminals descriptions (continued)

Terminal № and designator	Type	Description
11 DO6	Digital output	Output terminal DO6
12	<i>Not used</i>	
13 DO7	Digital output	Output terminal DO7
14	Power supply	Used for power supply to the digital output DO7
15 L	Supply voltage	230 V AC supply voltage
16 N	Supply voltage (neutral)	230 V AC supply voltage (neutral)
17 AI1	Analog input	Input terminal AI1
18 AI2	Analog input	Input terminal AI2
19 AI3	Analog input	Input terminal AI3
20 AI4	Analog input	Input terminal AI4
21 AI5	Analog input	Input terminal AI5
22 AI6	Analog input	Input terminal AI6
23 AI7	Analog input	Input terminal AI7
24 AI8	Analog input	Input terminal AI8
25 DI1	Digital input	Input terminal DI1
26 DI2	Digital input	Input terminal DI2
27 UA1	Universal analogue input or output	Universal analogue I/O, can be configured to act as either an analogue input or as an analogue output
28 UA2	Universal analogue input or output	Universal analogue I/O, can be configured to act as either an analogue input or as an analogue output
29 Gnd	Digital ground	Signal ground for digital inputs
30	<i>Not used</i>	
31 MBUS B 32 MBUS A	M-Bus port	Used for communication via M-Bus
⌋ —	Ground	Earth ground for 230 VAC
⊥	Signal ground	Used as ground for I/O:s
TCP/IP	Ethernet communication port	8P8C modular connector used for Ethernet - TCP/IP communication
P1 [E/N/A/B]	RS485 communication port 1	RS485 connector used for communications via BACnet, or for master/slave communication via Exoline or Modbus.
ext. Display	External display communication port	4P4C modular connector used for communication with an ED-RU-... room unit

The relays (DO) are voltage-free and must receive power from a single pole for each relay.



Note! The lifetime of relays mainly depends on the number of switch cycles. Therefore it is recommended to program the outputs so that the number of switch cycles per day is kept low. This can be achieved by using suitable function blocks in EXOdesigner.

Appendix A Technical data

A.1 EXOcompact Ardo

A.1.1 General data

Supply voltage	24 V ~ (21...27 V ~ 50...60 Hz) / 20...36 V DC (not units with a CI input)
Power consumption	4 VA
Protection class	IP20
Ambient humidity	Max. 95 % RH
Ambient temperature	0...50 °C
Storage temperature	-20...+70 °C
Operating system	EXOreal
Battery backup	Memory and real-time clock, at least 5 years
Mounting	DIN-rail, cabinet or wall (with accessory)
Number of modules	8.5
Dimensions, external (WxHxD)	149 x 121 x 58 mm 149 x 136 x 58 mm (XCA20...)
Weight (incl. packaging)	0.40 kg

A.1.2 Inputs & Outputs

Please refer to the manual *Inputs and outputs specifications* for detailed information regarding the inputs and outputs in this model.

+C output	24 V DC, 0.15 A, short circuit-protected (not available for XCA20...)
Digital Output (DO)	Max 2 A continuous load, total max 8 A

A.1.3 Communication ports

Communication ports	1/2/3, model dependent
Serial ports	1/2, model dependent
Ethernet ports	1
M-Bus ports	0/1, model dependent

A.1.4 Serial ports

Port type	RS485
Port number	1 and/or 2
Default protocol	EXOline slave
Supported protocols	Modbus slave / Modbus master / M-Bus master / EXOline master / EXOline slave / EFX master
Port isolation	Yes (port 1), No (port 2)
Communication speed	9600 baud (1200...76800 baud)
Parity	Even (odd/even/no parity)
Stop bits	8 bits, 1 or 2 stop bits
Cable connection	Push-in connector or screw terminal

A.1.5 Ethernet port

Port type	Ethernet
Default protocol	EXoline-TCP
Supported protocols	EXoline-TCP / BACnet/IP / Modbus/IP
Cable connection	RJ45, 10Base-T/100Base-TX auto-negotiation
Cable length	Max. 100 m
Cabling	Min. Cat 5

A.1.6 M-Bus port

Port type	M-Bus
Port number	2
Supported protocols	Standard M-Bus master
Communication speed	2400 baud (300...9600 baud)
Cable connection	Screw terminal
Cable length	< 2400 baud: max 1000 m 4800...9600 baud: max 100 m

A.1.7 HMI

Clock	Yes
Display	Built-in or/and external
Display type	Backlit, LCD, 4 rows of 20 characters, international character set
Indication type	LEDs

A.1.8 Material

Material, housing	Polycarbonate, PC
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A.2 EXOcompact Eedo

A.2.1 General data

Supply voltage	230 V ~ (207...253 V ~ 50/60 Hz)
Power consumption	11 VA
Protection class	IP20
Ambient humidity	Max. 95 % RH
Ambient temperature	0...50 °C
Storage temperature	-20...+70 °C
Operating system	EXOrealC
Battery backup	Memory and real-time clock, at least 5 years
Mounting	DIN-rail, cabinet or wall (with accessory)
Number of modules	8.5
Display	External (accessory)
Dimensions, external (WxHxD)	149 x 121 x 58 mm
Weight (incl. packaging)	0.37 kg

A.2.2 Inputs & Outputs

Please refer to the manual *Inputs and outputs specifications* for detailed information regarding the inputs and outputs in this model.

Digital outputs, total max. current (fuse)	Max 2 A continuous load, total max 6.3 A (fuse 6.3 AT 5 x 20 mm)
Power output a (POa)	24 V DC, max. 50 mA

A.2.3 Communication ports

Communication ports	3
Serial ports	2
Ethernet ports	1

A.2.4 Serial ports

Port type	RS485
Port number	1 and 2
Default protocol	EXOnline slave
Supported protocols	Modbus slave / EXOnline master / EXOnline slave / EFX master
Port isolation	Yes (port 1), No (port 2)
Communication speed	9600 baud (1200...38400)
Parity	Even (odd/even/no parity)
Stop bits	8 bits, 1 or 2 stop bits
Cable connection	Push-in connector or screw terminals

A.2.5 Ethernet port

Port type	Ethernet
Default protocol	EXOnline-TCP
Supported protocols	EXOnline-TCP / BACnet/IP / Modbus TCP/IP
Cable connection	RJ45, 10Base-T/100Base-TX auto-negotiation
Cable length	Max. 100 m
Cabling	Cat 5

A.2.6 Material

Material, housing	Polycarbonate, PC
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A.3 EXOcompact Vido

A.3.1 General data

Supply voltage	230 V ~ (217...253 V ~)
Power consumption	10 VA
Protection class	IP20, IP40 when mounted in cabinet door

Ambient humidity	Max. 95 % RH, non-condensing
Ambient temperature	0...50 °C
Storage temperature	-20...+70 °C
Operating system	EXOrealC
Battery backup	Memory and real-time clock, at least 5 years
Mounting	DIN-rail, cabinet or wall, or over a device box
Number of modules	9
Display	Internal or external (accessory)
Dimensions (WxHxD)	147 x 98 x 76 mm
Weight	0.37 kg

A.3.2 Inputs & Outputs

Analogue inputs (AI)	PT1000 (-50...+150°C), Ni1000 DIN (-40...105°C), Ni1000 L&G (-40...120°C), Resistance (800...1600 Ohm)
Digital inputs (DI)	Sourcing input type, GND is ref
Analogue outputs (AO)	0...10 V DC (12 bit D/A short-circuit protected)
Digital outputs (DO)	Relay output, 230 V AC, max 1 A continuous load, total max 7 A
Universal analogue I/O (UA)	AI or AO

A.3.3 Communication ports

Communication ports	3
Serial ports	1
Ethernet ports	1
M-Bus port	1

A.3.4 Serial ports

Port type	RS485
Port number	1
Default protocol	EXOline slave
Supported protocols	Modbus slave / Modbus master / EXOline master / EXOline slave / EFX-master
Port isolation	Yes
Communication speed	9600 baud (1200...115 200)
Parity	Even (odd/even/no parity)
Stop bits	1 or 2 stop bits, 8 bits
Cable connection	Push-in connector or screw terminals

A.3.5 Ethernet port

Port type	Ethernet
Default protocol	EXOline-TCP
Supported protocols	EXOline-TCP / BACnet/IP / Modbus TCP/IP
Cable connection	RJ45, 10Base-T/100Base-TX auto-negotiation

Cable length	Max. 100 m
Cabling	Cat 5

A.3.6 M-Bus port

Port type	M-Bus
Supported protocols	M-Bus Mini Master
Number of slaves	4
Communication speed	300...2400 baud
Cable connection	Screw terminal
Cable length	Max 100 m

A.3.7 Material

Material, housing	Polycarbonate (PC)
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Appendix B Model overview

B.1 EXOcompact Ardo

Article	Ethernet	RS485	M-Bus	Display	Ala	Dla	Dlb	Ula	Cla	AOa	DOb	Total I/O:s
XCA152W-4	1	1	-	-	4	4	-	-	-	3	4	15
XCA152DW-4	1	1	-	Yes	4	4	-	-	-	3	4	15
XCA153W-4	1	2	-	-	4	4	-	-	-	3	4	15
XCA153DW-4	1	2	-	Yes	4	4	-	-	-	3	4	15
XCA203W-4	1	2	-	-	4	-	4	-	2	4	6	20
XCA282W-4	1	1	-	-	4	8	-	4	-	5	7	28
XCA282DW-4	1	1	-	Yes	4	8	-	4	-	5	7	28
XCA283W-4	1	2	-	-	4	8	-	4	-	5	7	28
XCA283DW-4	1	2	-	Yes	4	8	-	4	-	5	7	28
XCA283DWM-4	1	1	Yes	Yes	4	8	-	4	-	5	7	28

B.2 EXOcompact Eedo

Article	Ethernet	RS485	Display	Alb	Alc	Dlb	Cla	AOa	DOc	DOd	Total I/O:s
XCE163W-1	1	2	-	2	1	3	1	4	3	2	16

B.3 EXOcompact Vido

Article	Ethernet	RS485	M-Bus	Display	AI	DI	UA	DO	Total I/O:s
XCV193DWM-2	1	1	1	Yes	8	2	2	7	19
XCV193WM-2	1	1	1	-	8	2	2	7	19



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