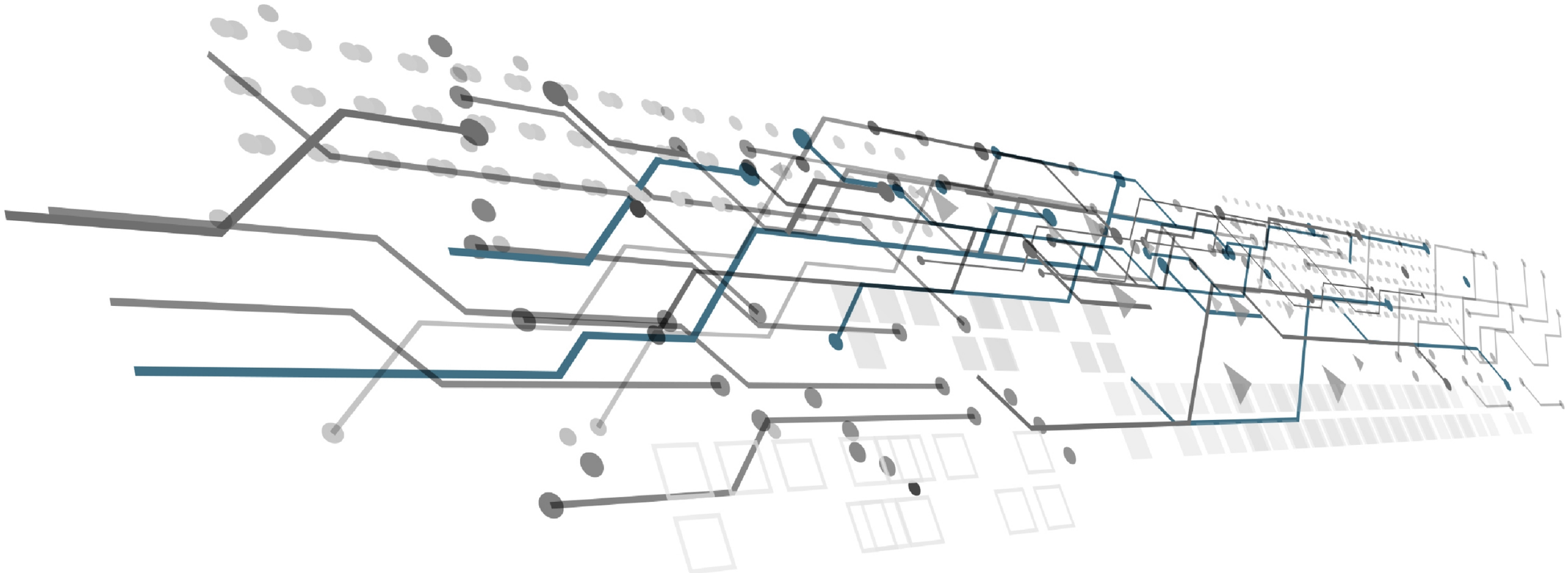
VEX1000 Wiring diagram

EXcon+ automatic
EXcon+ automatik
Système de règulation EXcon+



EXHAUSTO A/S
Odensevej 76 · DK-5550 Langeskov
Tel. +45 65661234 · exhausto@exhausto.dk
www.exhausto.dk

a member of
Soler&Palau Ventilation Group

EXHAUSTO

VEX1000 - Control panel (1x230VAC FANS)

2028124

Manufactured by: EXHAUSTO	Project: VEX1000 - Control panel (1x230VAC FANS)	Start date:	01-06-2023	Constructor:	DKTSA	Page:	1
		Revision date:	17-08-2026	Approved by:	DKBP	Previous page:	0
Drawing number: 2028124	Page Title: Project information	Revision:	F	Scale:	1:1	Next page:	2
		Replaces revision:	E	Format:	A3	Pages in total:	36

Page	Title (en)	Titel (da)	Titel (sv)	Last edit
1	Project information	Projektinformation	Projektinformation	04-08-2026
3	Standards	Standarder	Standarder	17-08-2026
4	Standards	Standarder	Standarder	17-08-2026
5	Component overview	Komponentoversigt	Komponentöversikt	17-08-2026
9	Principles for all configuration options	Principper for alle konfigurationsmuligheder	Principer för alla konfigurationsalternativ	21-07-2026
10	Control panel layout	Styretavlens layout	Kontrollpanelens layout	05-08-2026
11	Control panel terminals			05-08-2026
20	Main current	Hovedstrøm	Huvudström	06-08-2026
21	Pilot current	Styrestrøm	Styrström	04-08-2026
22	Standard - Modbus connections	Standard - Modbus-tilslutninger	Standard - Modbus-anslutningar	05-08-2026
23	Standard - Fan & Rotor/Bypass controls	Standard - Ventilator- og rotor-/bypassstyring	Standard - Fläkt- & rotor/bypass-reglering	04-08-2026
24	Standard - Dampers	Standard - Spjæld	Standard - Spjäll	04-08-2026
25	Options - Dampers	Tilvalg - Spjæld	Tillval - Spjäll	04-08-2026
26	Options - Pre-heating controls	Tilvalg - Forvarmestyring	Tillval - Förvärmningsstyrning	04-08-2026
27	Options - Post-heating controls	Tilvalg - Eftervarmestyring	Tillval - Eftervärmningsstyrning	05-08-2026
28	Options - HW/CW/CO controls	Tilvalg - HW/CW/CO-styring	Tillval - HW/CW/CO-styrning	05-08-2026
29	Options - Temperature & CO2 sensors	Tilvalg - Temperatur- og CO2-sensorer	Tillval - Temperatur- och CO2-givare	05-08-2026
30	Standard - Customer connections	Standard - Kundetilslutninger	Standard - Kundanslutningar	17-08-2026
40	Standard - Dual PTH 1	Standard - Dual PTH 1	Standard - Dual PTH 1	29-07-2026
41	Standard - Dual PTH 2	Standard - Dual PTH 2	Standard - Dual PTH 2	05-08-2026
42	Option - ALC™ - Rotor deicing - HR temperature	Tilvalg - ALC™ - Rotorafrimning - VGV-temperatur	Tillval - ALC™ - Rotoravfrostning - ÅV-temperatur	29-07-2026
43	Option - Counter-flow deicing - HR temperature	Tilvalg - Modstrømsafrimning - Varmegenvindingstemperatur	Tillval - Motströmsavfrostning - Återvinningstemperatur	29-07-2026
50	Option – Coil control box layout	Option - Layout af styreboks til flader	Tillval - Layout för batteristyrboxen	28-07-2026
51	Option - Combi Coil (CO)	Tilvalg - Kombiflade (CO)	Tillval - Kombibatteri (CO)	04-08-2026
52	Option - Direct Expansion Heat pump (DX)	Tilvalg - Direkte ekspansion varmepumpe (DX)	Tillval - Direkt expansion värmepump (DX)	04-08-2026
53	Option - Direct Expansion Cooling (DX)	Tilvalg - Direkte ekspansionskøling (DX)	Tillval - Direkt expansionskylning (DX)	04-08-2026

Identification of wires by colour (according to EN 60204-1)

Main current:	Hovedstrøm:	Huvudström:	400/230VAC
Phase:	Fase:	Fas:	BK
Neutral:	Neutral:	Neutral:	BK
Earth:	Jord:	Jord:	GNYE
Pilot current:	Styrestrøm:	Styrström:	230/24VAC
Phase:	Fase:	Fas:	RD
Neutral:	Neutral:	Neutral:	RD
Earth:	Jord:	Jord:	GNYE
Pilot current:	Styrestrøm:	Styrström:	24VDC
Positive (+):	Positiv (+):	Positiv (+):	BU
Negative (-):	Negativ (-):	Negativ (-):	BU
Unknown potential:	Ukendt potentiale:	Okänd potential:	
All:	Alle:	Alla:	OG

Abbreviations of colours (according to IEC 60757)

Black	Sort	Svart	BK
Brown	Brun	Brun	BN
Red	Rød	Röd	RD
Orange	Orange	Orange	OG
Yellow	Gul	Gul	YE
Green	Grøn	Grön	GN
Blue	Blå	Blå	BU
Light Blue	Lyseblå	Ljusblå	BU
Violet	Violet	Violett	VT
Gray	Grå	Grå	GY
White	Hvid	Vit	WH
Pink	Pink	Rosa	PK
Green/Yellow	Grøn/Gul	Grön/Gul	GNYE
Light-	Lyse-	Ljus-	LT-

Labelling of cables and cores (according to IEC 62491)

Method CL

Method	Description
0	No labelling
A	Use of designated cables or cores
R	Identification labelling by means of reference designation (including cable number)
CL	Local-end connection labelling
CR	Remote-end connection labelling
CB	Both-end connection labelling
S	Signal labelling

Metode	Beskrivelse
0	Ingen mærkning
A	Brug af angivne kabler eller ledere
R	Identifikationsmærkning ved hjælp af referencebetegnelse (inklusive kabelnummer)
CL	Mærkning ved lokal ende
CR	Mærkning ved fjern ende
CB	Mærkning i begge ender
S	Signalmærkning

Metod	Beskrivning
0	Ingen märkning
A	Användning av angivna kablar eller ledare
R	Märkning med referensbeteckning
CL	Lokal anslutningsmärkning
CR	Fjärranslutningsmärkning
CB	Märkning i båda ändar
S	Signalmärkning

Component	Location (en)	Placeringer (da)	Placering (sv)
+A0	Customer connections	Kundetilslutninger	Kundanslutningar
+A1	Control Panel	Styretavle	Kontrollpanel
+A2	Cable connections to AHU aggregate	Kabelforbindelser til ventilationsaggregat	Kabelanslutningar till ventilationsaggregat
+A3	AHU aggregate	Ventilationsaggregat	ventilationsaggregat
+A4	Outside AHU aggregate	Uden for ventilationsaggregat	Utanför ventilationsaggregat
+A5	Coil control box	Styreboks til flader	Batteristyrbox

Component	Object	Examples	Objekt	Eksempler	Objekt	Exempel
-B	Sensing	CO2 & temperature sensors	Føling / Måling	CO2- og temperatursensorer	Avkänning	CO2- & temperaturgivare
-C	Storage	USB drives & application keys	Lagring	USB-drev og applikationsnøgler	Lagring	USB-minnen & applikationsnycklar
-E	Emitting	Electric heaters	Afgivelse	Elektriske varmelegemer	Avgivning	Elvärmare
-F	Protecting	Miniature circuit-breaker	Beskyttelse	Automatsikring	Skydd	Minibrytare
-G	Generating	Circulation pumps	Generering	Cirkulationspumper	Generering	Cirkulationspumpar
-K	Information processing	AHU Controller	Informationsbehandling	AHU-controller	Informationsbehandling	AHU-styrenhet
-M	Driving	Motors	Drivsystem	Motorer	Drivsystem	Motorer
-Q	Controlling	Supply disconnecting device	Kobling / Afbrydelse	Forsyningsadskiller	Koppling / Frånskiljning	Frånskiljare
-R	Restricting	Valves & dampers	Regulering	Ventiler og spjæld	Reglering	Ventiler & spjäll
-S	Human interaction	Touch panel	Betjening	Touchpanel	Mänsklig interaktion	Pekskärm
-T	Transforming	Power supply	Transformering	Strømforsyning	Omvandling	Strömförsörjning
-U	Holding	Cabinet, wire-duct & DIN-rails	Fastgørelse / Indkapsling	Kabinet, kabelkanal og DIN-skinner	Fastsättning / Kapsling	Skåp, kabelkanal & DIN-skenor
-W	Guiding	Cables, wires & tubes	Føring	Kabler, ledninger og rør	Styrning	Kablar, ledare & rör
-X	Interfacing	Terminals & plugs	Grænseflade	Klemmer og stik	Gränssnitt	Plintar & kontakter
(=)	Function		Funktion		Funktion	
(+)	Location		Placering		Placering	
(-)	Product		Produkt		Produkt	
(.)	Sub name		Undernavn		Underbenämning	

Principles of structures and reference designations according to ISO/IEC RDS 81346

Principper for strukturer og referencebetegnelser i henhold til ISO/IEC 81346.

Principer för strukturer och referensbeteckningar enligt ISO/IEC RDS 81346

Manufactured by: EXHAUSTO	Project: VEX1000 - Control panel (1x230VAC FANS)	Start date:	01-06-2023	Constructor:	DKTSA	Page:	4
		Revision date:	17-08-2026	Approved by:	DKBP	Previous page:	3
Drawing number: 2028124	Page Title: Standards	Revision:	F	Scale:	1:1	Next page:	5
		Replaces revision:	E	Format:	A3	Pages in total:	36

Component	Function (en)	Funktion (da)	Funktion (sv)
-0V	Terminals for 0VDC	Klemmer for 0 VDC	Plintar till 0 VDC
-24V	Terminals for 24VDC	Klemmer for 24 VDC	Plintar till 24 VDC
-B1.1	Extract air temperature	Fralufttemperatur	Frånluftstemperatur
-B1.2	Exhaust air temperature	Afkasttemperatur	Avluftstemperatur
-B2.1	Outdoor air temperature	Udetemperatur	Uteluftstemperatur
-B2.2	Supply airflow temperature correction	Korrektion af tillufttemperatur	Korrigering av tilluftstemperatur
-B3	Heating return water temperature sensor	Temperaturføler for varmereturvand	Temperaturgivare för värmereturvatten
-B4	CO/CW return water temperature sensor	Temperaturføler for CO/CW returvand	Temperaturgivare för CO/CW returvatten
-B5	Outdoor air temperature sensor (Pre-heater)	Udelufttemperaturføler (forvarmeflade)	Utelufttemperaturgivare (förvärmare)
-B6	CO2 sensor	CO2-sensor	CO2-givare
-B7	Duct temperature sensor	Kanaltemperaturføler	Kanaltemperaturgivare
-B8	CO supply water temperature sensor	Fremløbsvandtemperaturføler CO	Framledningstemperaturgivare CO
-B9	Heat recovery temperature	Varmegenvindingstemperatur	Värmeåtervinningstemperatur
-BP1	Dual PTH 1	Dual PTH 1	Dual PTH 1
-BP2	Dual PTH 2	Dual PTH 2	Dual PTH 2
-BP3	Dual PTH 3	Dual PTH 3	Dual PTH 3
-E1	Cabinet heater	Tavlevarme	Skåpvärmare
-E2	Change over coils	Change-over flade	Change-over batteri
-E3	Electric pre-heating	Elektrisk forvarmeflade	Elektriskt förvärmningsbatteri
-E4	Electric post-heating	Elektrisk eftervarmeflade	Elektriskt eftervärmningsbatteri
-F1	MCB for Exhaust air fan	Automatsikring for afkastventilator	Automatsäkring för frånluftsfläkt
-F2	MCB for Supply air fan	Automatsikring for tilluftsventilator	Automatsäkring för tilluftsfläkt
-F3	MCB for Rotor/Control systems	Automatsikring for rotor-/styresystem	Automatsäkring för rotor-/styrsystem
-F4	MCB for Circulation pumps	Automatsikring for cirkulationspumper	Automatsäkring för cirkulationspumpar
-G1	Heating circulation pump	Cirkulationspumpe varme	Värmecirkulationspump
-G2	CW/CO/DX circulation pump	CW/CO/DX cirkulationspumpe	CW/CO/DX cirkulationspump
-K1	AHU Controller	AHU Controller	AHU-styrenhet
-K2	EXT module for Change over	EXT-modul til change-over	EXT-modul för change-over
-M1.2	Exhaust air fan	Afkastventilator	Avluftsfläkt

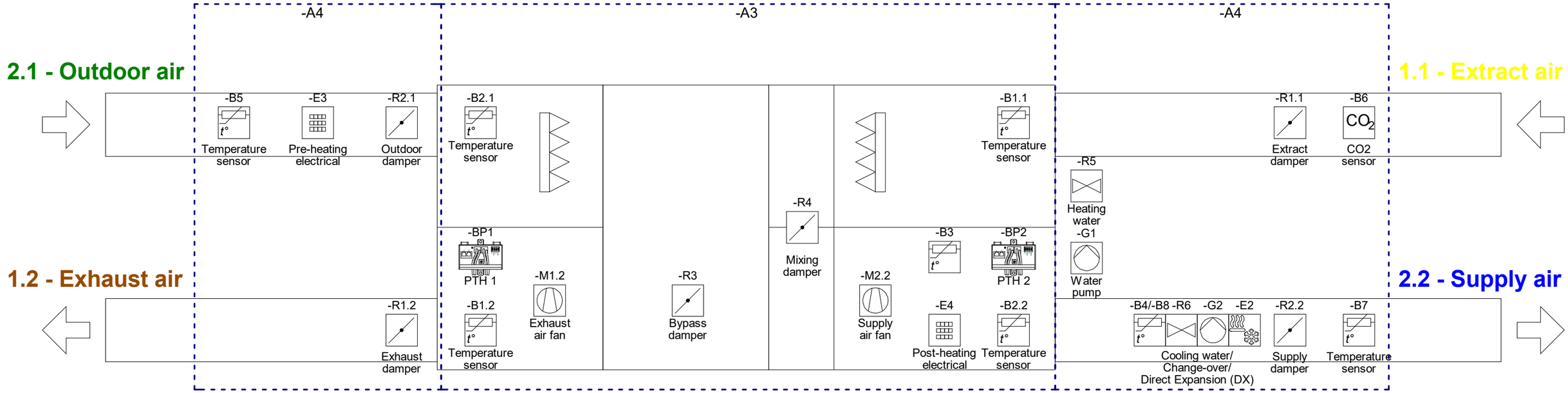
Component	Function en	Funktion da	Funktion sv
-M2.2	Supply air fan	Tilluftsventilator	Tilluftsfläkt
-M3	Rotor	Rotor	Rotor
-PE1	Earthing terminal block	Jordplint	Jordplint
-Q1	Supply disconnecting device	Forsyningsadskiller	Frånskiljare
-R1.1	Extract air damper (ALC™)	Fraluftspjæld (ALC™)	Frånluftsspjäll (ALC™)
-R1.2	Exhaust air damper	Afkastspjæld	Avluftsspjäll
-R2.1	Outdoor air damper	Udeluftspjæld	Uteluftsspjäll
-R2.2	Supply air damper	Tilluftsspjæld	Tilluftsspjäll
-R3	Bypass damper	Bypass-spjæld	Bypass-spjäll
-R4	Mixing air damper	Blandeluftspjæld	Blandluftsspjäll
-R5	Valve HW	Ventil HW	Ventil HW
-R6	Valve CW	Ventil CW	Ventil CW
-R7	Valve CO/DX	Ventil CO/DX	Ventil CO/DX
-S1	Touch panel	Touchpanel	Pekskärm
-S2	CO system alarm	CO system alarm	Larm för CO-system
-S3	DX control Heat pump	DX-styring varmepumpe	DX-styrning värmepump
-T1	Power supply 230VAC/24VDC	Strømforsyning 230VAC/24VDC	Strömförsörjning 230VAC/24VDC
-U1	Control Panel	Styretavle	Kontrollpanel
-X1.1	Aggregate power plug	Strømstik til aggregat	Strömkontakt aggregat
-X1.2	Aggregate signal plug	Signalstik til aggregat	Signalkontakt aggregat
-X1.3	Modbus splitter 9 x Molex	Modbus-splitter 9 x Molex	Modbus-splitter 9 x Molex
-X1	Aggregate power & signal terminals	Klemmer til aggregatstrøm og signaler	Plintar till aggregatkraft och signaler
-X2	Air dampers terminals	Klemmer til spjæld	Plintar till spjäll
-X3	Pre-HE signal terminals	Klemmer til forvarmefladesignaler	Plintar till förvärmningsbatterisignaler
-X5	HW - Power & signal terminals	Klemmer til HW-strøm og signal	Plintar till HW kraft och signal
-X6	CW/CO - Power & signal terminals	Klemmer til CW/CO-strøm og signal	Plintar till CW/CO kraft och signal
-X7	Temperature & CO2 sensors terminals	Klemmer til temperatur- og CO2-sensorer	Plintar till temperatur- och CO2-givare
-X8	Customer connections terminals	Klemmer til kundetilslutning	Plintar till kundanslutning
-X10	Modbus splitter 4 x RJ12	Modbus-splitter 4 x RJ12	Modbus-splitter 4 x RJ12

Component	Function (en)	Funktion (da)	Funktion (sv)
-X51	CO/DX MODBUS & signal terminals	CO/DX MODBUS- og signalklemmer	CO/DX MODBUS- och signalplintar
-X52	CO/DX Power & signal terminals	CO/DX strøm- og signalklemmer	CO/DX kraft- och signalplintar
-X-B3	Heating return water temperature sensor plug	Stik til føler for varmereturvand	Kontakt för temperaturgivare till värmereturvatten
-X-E4.2	Electric heating plug	Stik til elektrisk varmeflade	Kontakt för elektriskt värmebatteri
-X-M1.2	Exhaust air fan plug	Stik til afkastventilator	Kontakt för avluftsfläkt
-X-M2.2	Supply air fan plug	Stik til tilluftsventilator	Kontakt för tilluftsfläkt
-X-M3	Rotor plug	Stik til rotor	Kontakt för rotor
-X-R1.1	Extract air damper (ALC™) plug	Stik til fraluftspjæld (ALC™)	Kontakt för frånluftsspjäll (ALC™)
-X-R1.2	Exhaust air damper plug	Stik til afkastspjæld	Kontakt för avluftsspjäll
-X-R2.1	Outdoor air damper plug	Stik til udeluftspjæld	Kontakt för uteluftsspjäll
-X-R2.2	Supply air damper plug	Stik til tilluftsspjæld	Kontakt för tilluftsspjäll
-X-R3	Bypass damper plug	Stik til bypass-spjæld	Kontakt för bypass-spjäll
-X-R4	Mixing air damper plug	Stik til blandeluftspjæld	Kontakt för blandluftsspjäll

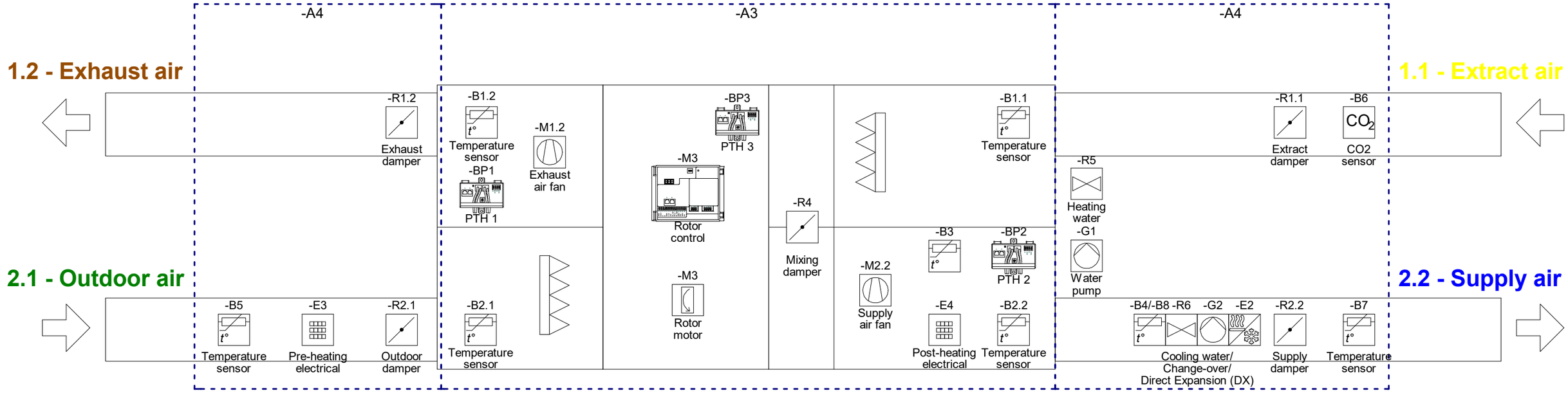
Principles

Manufactured by: EXHAUSTO	Project: VEX1000 - Control panel (1x230VAC FANS)	Start date:	01-06-2023	Constructor:	DKTSA	Page:	Principles
		Revision date:	17-08-2026	Approved by:	DKBP	Previous page:	7
Drawing number: 2028124	Page Title: Principles	Revision:	F	Scale:	1:1	Next page:	9
		Replaces revision:	E	Format:	A3	Pages in total:	36

COUNTER-FLOW



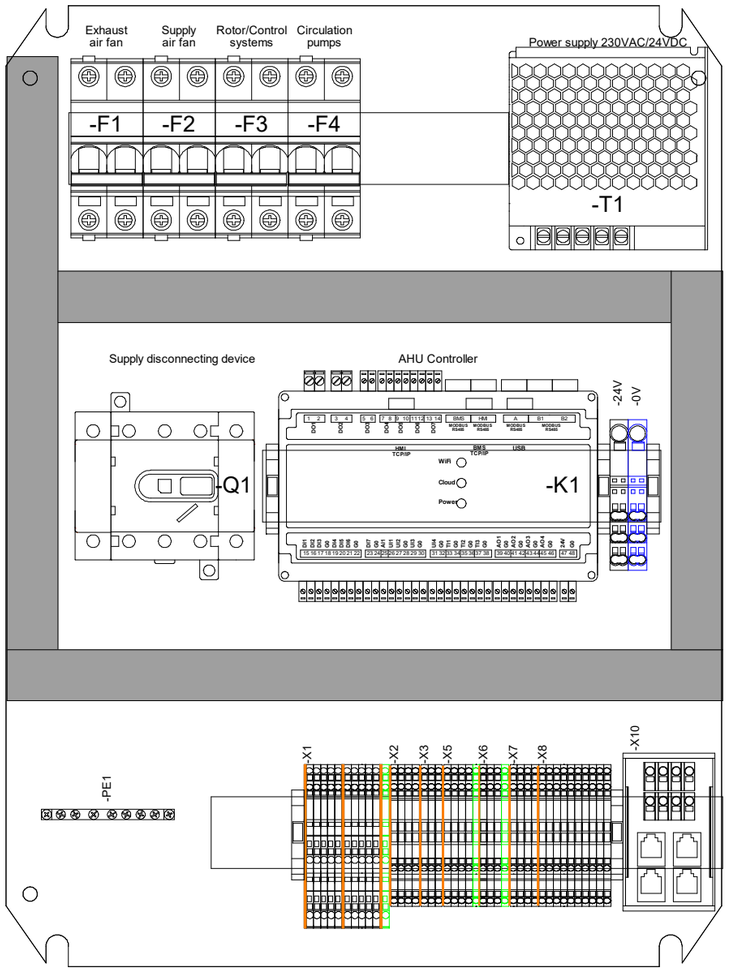
ROTOR

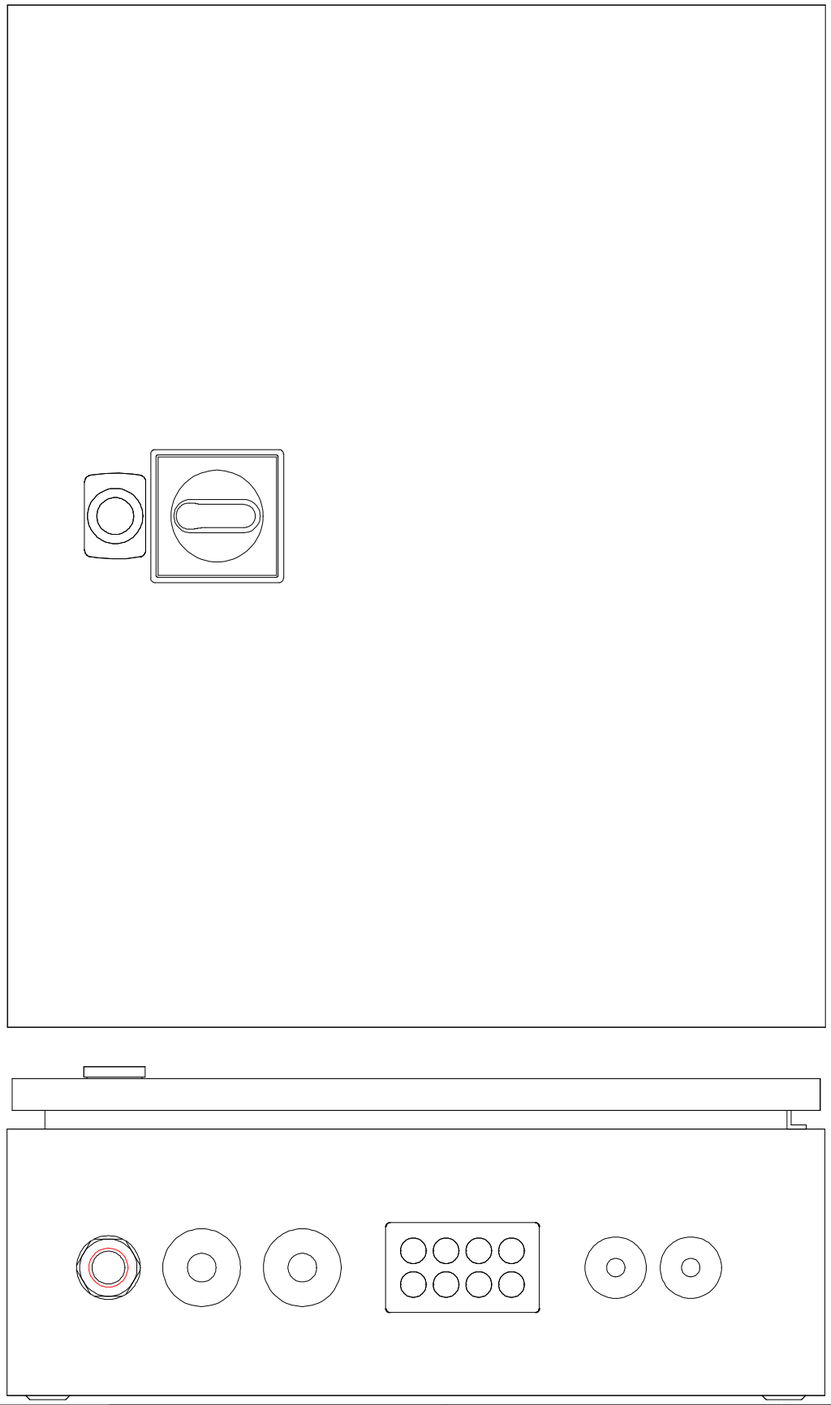


Manufactured by: EXHAUSTO	Project: VEX1000 - Control panel (1x230VAC FANS)	Start date:	01-06-2023	Constructor:	DKTSA	Page:	9
		Revision date:	17-08-2026	Approved by:	DKBP	Previous page:	7
Drawing number: 2028124	Page Title: Principles for all configuration options	Revision:	F	Scale:	1:5	Next page:	10
		Replaces revision:	E	Format:	A3	Pages in total:	36

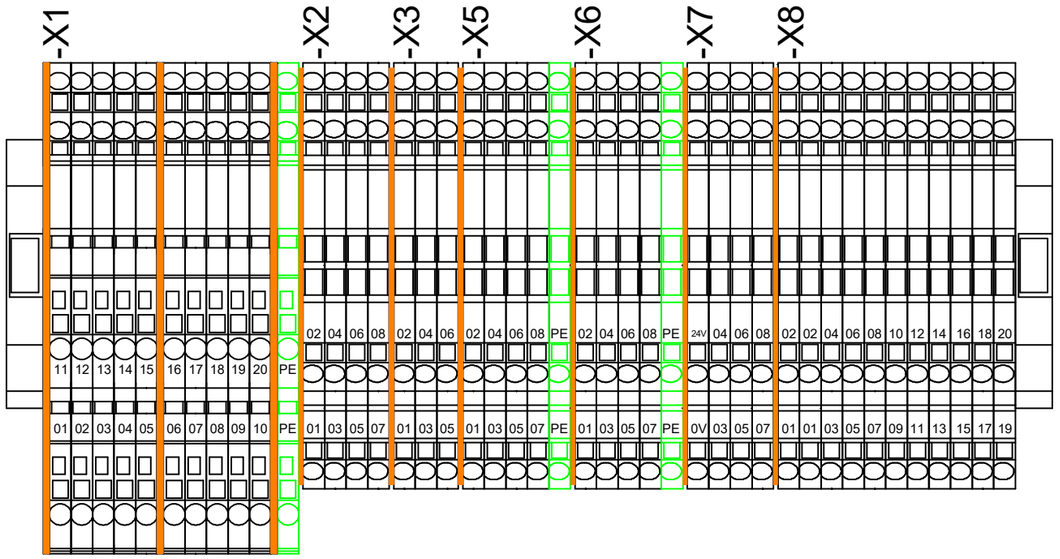
Arrangement drawings

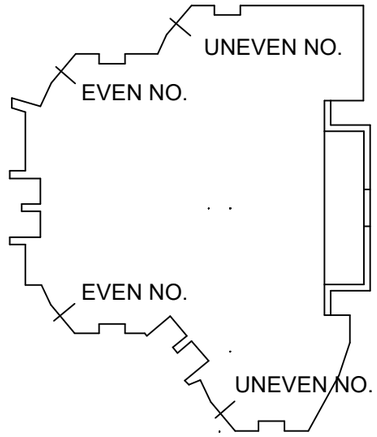
Manufactured by:	Project:	Start date:	01-06-2023	Constructor:	DKTSA	Page:	Arrangement
EXHAUSTO	VEX1000 - Control panel (1x230VAC FANS)	Revision date:	17-08-2026	Approved by:	DKBP	Previous page:	9
Drawing number:	Page Title:	Revision:	F	Scale:	1:1	Next page:	10
2028124	Arrangement drawings	Replaces revision:	E	Format:	A3	Pages in total:	36

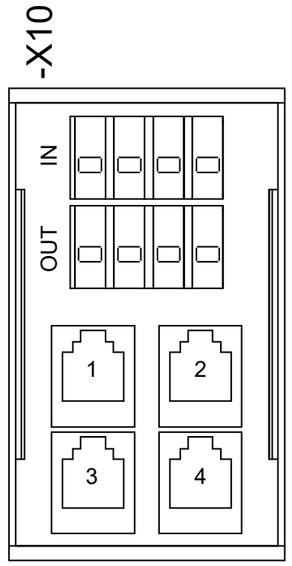




Manufactured by: EXHAUSTO	Project: VEX1000 - Control panel (1x230VAC FANS)	Start date:	01-06-2023	Constructor:	DKTSA	Page: 10
		Revision date:	17-08-2026	Approved by:	DKBP	Previous page: 9
Drawing number: 2028124	Page Title: Control panel layout	Revision:	F	Scale:	1:3	Next page: 11
		Replaces revision:	E	Format:	A3	Pages in total: 36







-X1:01	-M1.2	Exhaust air fan	L
-X1:02	-M1.2	Exhaust air fan	N
-X1:03	-M1.2	Spare	-
-X1:04	-M2.2	Supply air fan	L
-X1:05	-M2.2	Supply air fan	N
-X1:06	-M2.2	Spare	-
-X1:07	-M3	Rotor	L
-X1:08	-M3	Rotor	N
-X1:09	-MB	Modbus	0V
-X1:10	-MB	Modbus	24V
-X1:11	-MB	Modbus	B-
-X1:12	-MB	Modbus	A+
-X1:13	-E4	Electric post-heating	0-10V
-X1:14	-E4	Electric post-heating	GND
-X1:15	-E4	Electric post-heating	Fire
-X1:16	-E4	Electric post-heating	Fail
-X1:17	-E4	Electric post-heating	Run OK
-X1:18	-E4	Electric post-heating	Run OK
-X1:19	-B3	Temperature sensor	-
-X1:20	-B3	Temperature sensor	-
-X1:PE	-PE	Protective Earth	PE

-X2:01	-R1.1	Extract air damper	0V
-X2:03	-R1.1	Extract air damper	24V
-X2:05	-R1.1	Extract air damper	B-
-X2:07	-R1.1	Extract air damper	A+
-X2:02	-R2.2	Supply air damper	0V
-X2:04	-R2.2	Supply air damper	24V
-X2:06	-R2.2	Supply air damper	B-
-X2:08	-R2.2	Supply air damper	A+
-X3:01	-E3	Electric pre-heating	0-10V
-X3:02	-E3	Electric pre-heating	GND
-X3:03	-E3	Electric pre-heating	Fire
-X3:04	-E3	Electric pre-heating	Fail
-X3:05	-E3	Electric pre-heating	Run OK
-X3:06	-E3	Electric pre-heating	Run OK

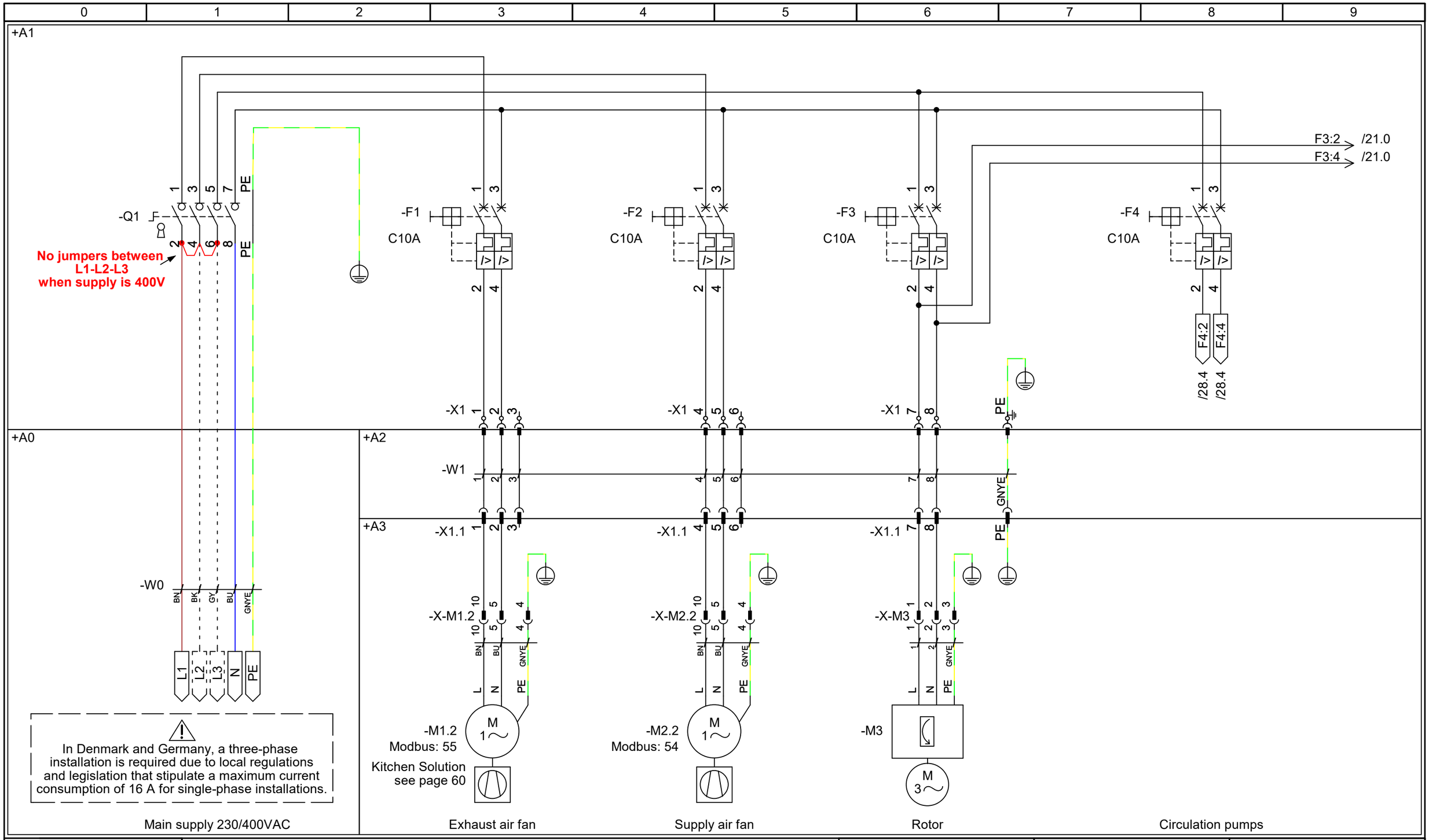
-X5:01	-R1	Valve HW	0V
-X5:02	-R1	Valve HW	24V
-X5:03	-R1	Valve HW	Signal
-X5:04	-R1	Valve HW	Not used
-X5:05	-G1	HW circulation pump	NC
-X5:06	-G1	HW circulation pump	COM
-X5:07	-G1	HW circulation pump	L
-X5:08	-G1	HW circulation pump	N
-X5:PE	-G1	HW circulation pump	PE
-X6:01	-R2	Valve CW/CO	0V
-X6:02	-R2	Valve CW/CO	24V
-X6:03	-R2	Valve CW/CO	Signal
-X6:04	-R2	Valve CW/CO	Not used
-X6:05	-G2	CW/CO circulation pump	NC
-X6:06	-G2	CW/CO circulation pump	COM
-X6:07	-G2	CW/CO circulation pump	L
-X6:08	-G2	CW/CO circulation pump	N
-X6:PE	-G2	CW/CO circulation pump	PE

-X7:01	-B5	Pre-heater temperature sensor	-
-X7:02	-B5	Pre-heater temperature sensor	-
-X7:03	-B6	CO2 sensor	GND
-X7:04	-B6	CO2 sensor	OUT
-X7:05	-B6	CO2 sensor	+VCC
-X7:06	-	Spare terminal	
-X7:07	-B7	Duct temperature sensor	-
-X7:08	-B7	Duct temperature sensor	-
-X8:0V		Customer connections	24V power supply
-X8:24V		Customer connections	24V power supply
-X8:01		Customer connections	Fire alarm input
-X8:02		Customer connections	Fire alarm input
-X8:03		Customer connections	Option input 1
-X8:04		Customer connections	Option input 1
-X8:05		Customer connections	Option input 2
-X8:06		Customer connections	Option input 2
-X8:07		Customer connections	Option input 3
-X8:08		Customer connections	Option input 3
-X8:09		Customer connections	Option input 4
-X8:10		Customer connections	Option input 4
-X8:11		Customer connections	A alarm output
-X8:12		Customer connections	A alarm output
-X8:13		Customer connections	Option output 1
-X8:14		Customer connections	Option output 1
-X8:15		Customer connections	Option output 2
-X8:16		Customer connections	Option output 2
-X8:17		Customer connections	BMS - RS485
-X8:18		Customer connections	BMS - RS485
-X8:19		Customer connections	Start signal
-X8:20		Customer connections	Start signal

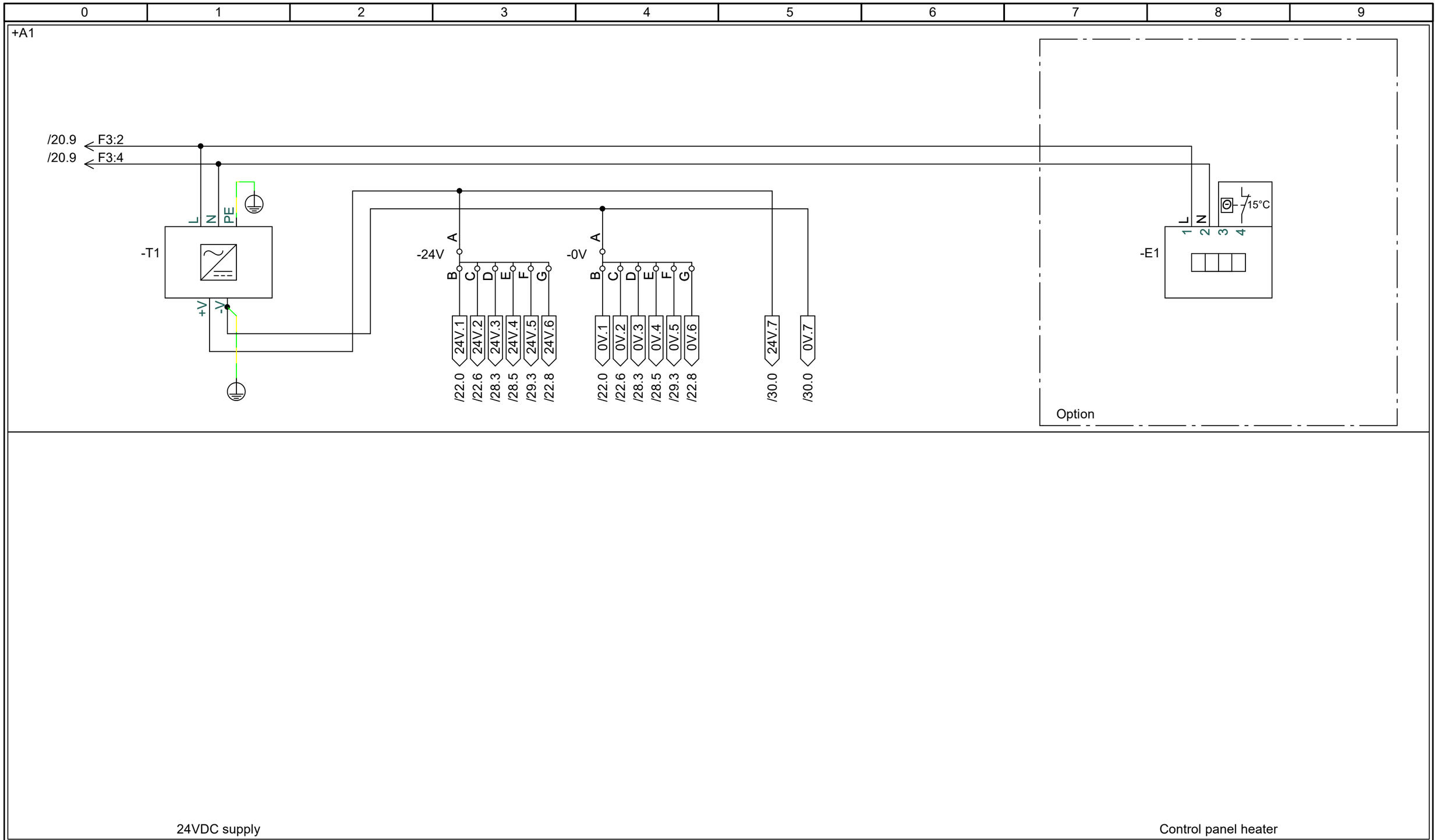
Manufactured by: EXHAUSTO	Project: VEX1000 - Control panel (1x230VAC FANS)	Start date: 01-06-2023	Constructor: DKTSA	Page: 11
		Revision date: 17-08-2026	Approved by: DKBP	Previous page: 10
Drawing number: 2028124	Page Title: Control panel terminals	Revision: F	Scale: 1:1	Next page: 20
		Replaces revision: E	Format: A3	Pages in total: 36

Circuit diagrams

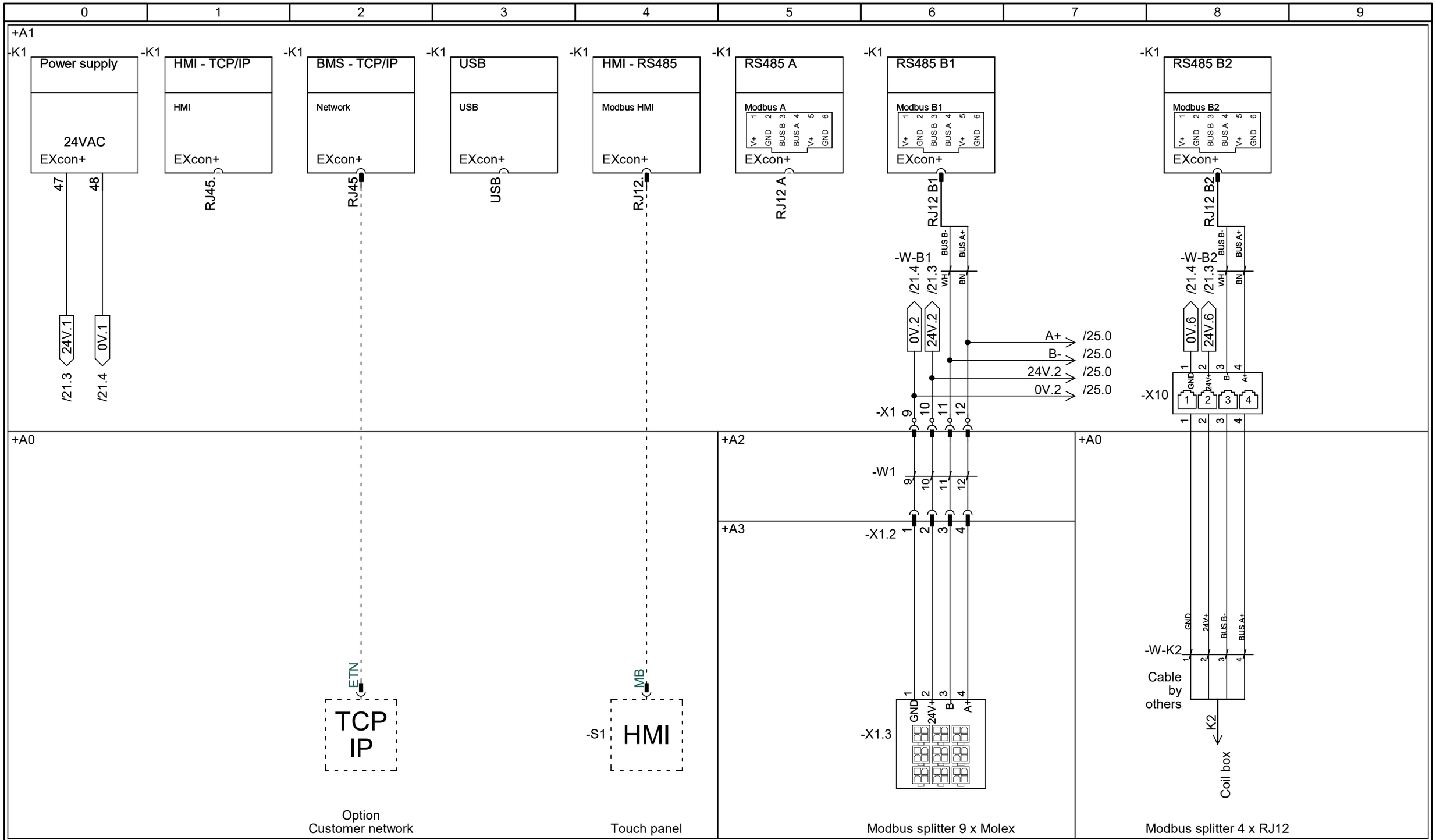
Manufactured by: EXHAUSTO	Project: VEX1000 - Control panel (1x230VAC FANS)	Start date:	01-06-2023	Constructor:	DKTSA	Page:	Circuit diagrams
		Revision date:	17-08-2026	Approved by:	DKBP	Previous page:	11
Drawing number: 2028124	Page Title: Circuit diagrams	Revision:	F	Scale:	1:1	Next page:	20
		Replaces revision:	E	Format:	A3	Pages in total:	36



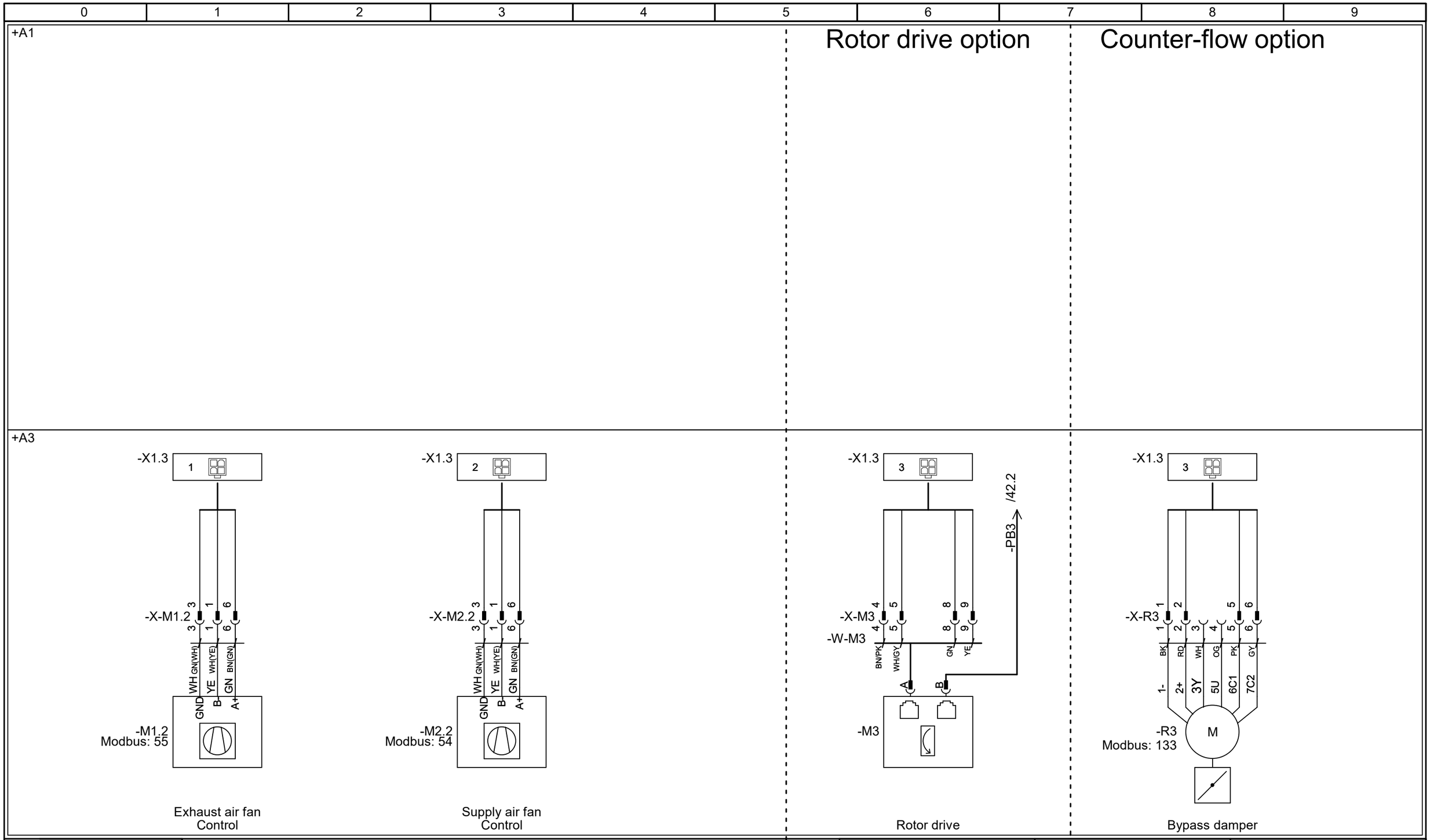
Manufactured by: EXHAUSTO	Project: VEX1000 - Control panel (1x230VAC FANS)	Start date: 01-06-2023	Constructor: DKTSA	Page: 20
		Revision date: 17-08-2026	Approved by: DKBP	Previous page: 11
Drawing number: 2028124	Page Title: Main current	Revision: F	Scale: 1:1	Next page: 21
		Replaces revision: E	Format: A3	Pages in total: 36



Manufactured by: EXHAUSTO	Project: VEX1000 - Control panel (1x230VAC FANS)	Start date:	01-06-2023	Constructor:	DKTSA	Page: 21
		Revision date:	17-08-2026	Approved by:	DKBP	Previous page: 20
Drawing number: 2028124	Page Title: Pilot current	Revision:	F	Scale:	1:1	Next page: 22
		Replaces revision:	E	Format:	A3	Pages in total: 36



Manufactured by: EXHAUSTO	Project: VEX1000 - Control panel (1x230VAC FANS)	Start date: 01-06-2023	Constructor: DKTSA	Page: 22
		Revision date: 17-08-2026	Approved by: DKBP	Previous page: 21
Drawing number: 2028124	Page Title: Standard - Modbus connections	Revision: F	Scale: 1:1	Next page: 23
		Replaces revision: E	Format: A3	Pages in total: 36

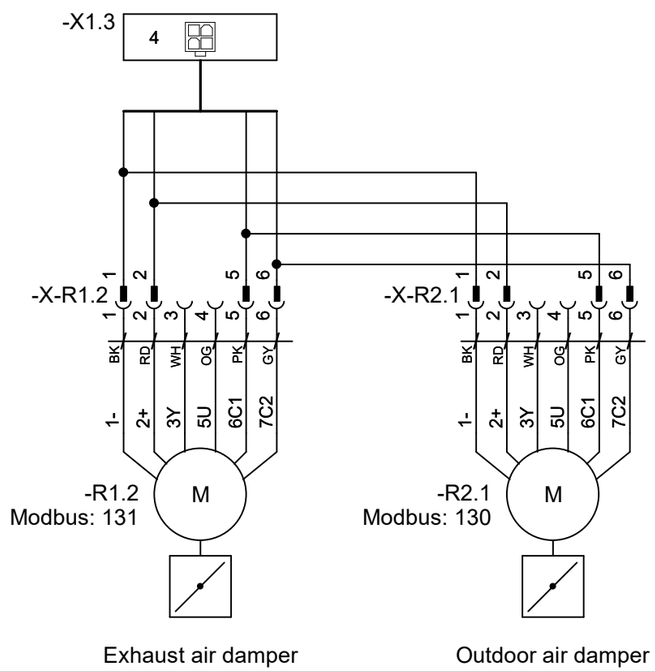


Manufactured by: EXHAUSTO	Project: VEX1000 - Control panel (1x230VAC FANS)	Start date: 01-06-2023	Constructor: DKTSA	Page: 23
		Revision date: 17-08-2026	Approved by: DKBP	Previous page: 22
Drawing number: 2028124	Page Title: Standard - Fan & Rotor/Bypass controls	Revision: F	Scale: 1:1	Next page: 24
		Replaces revision: E	Format: A3	Pages in total: 36

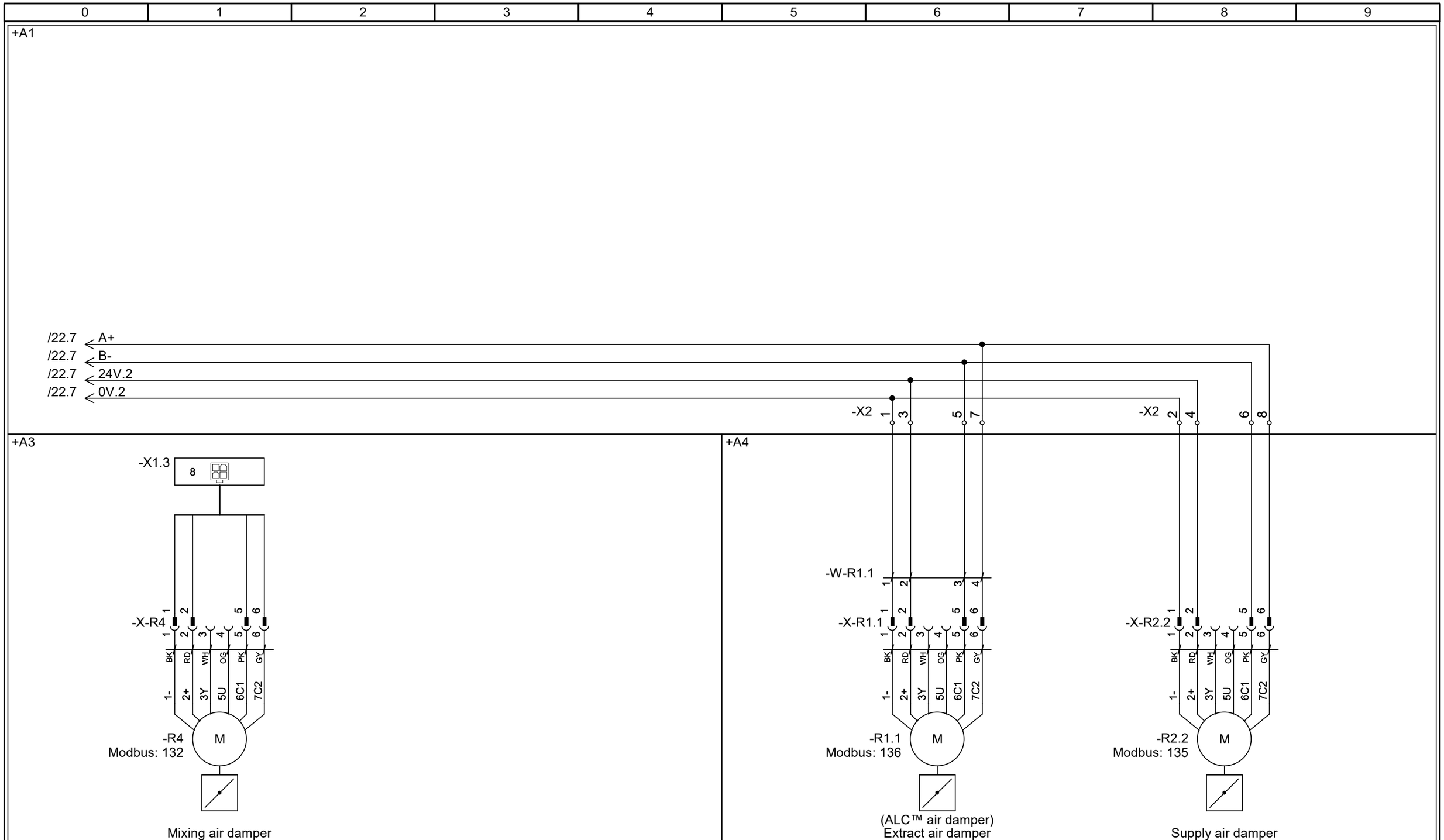
0	1	2	3	4	5	6	7	8	9

+A1

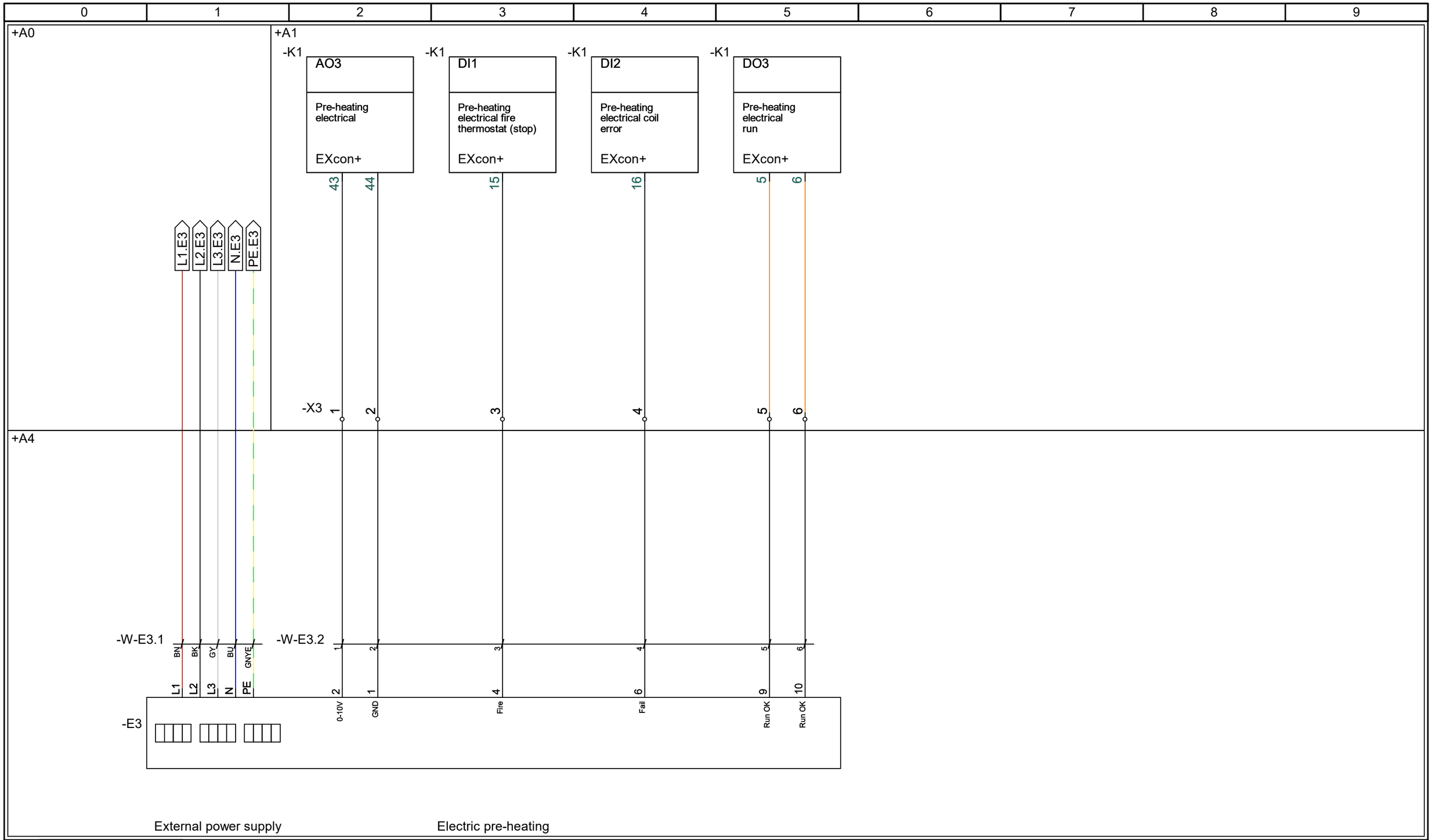
+A3



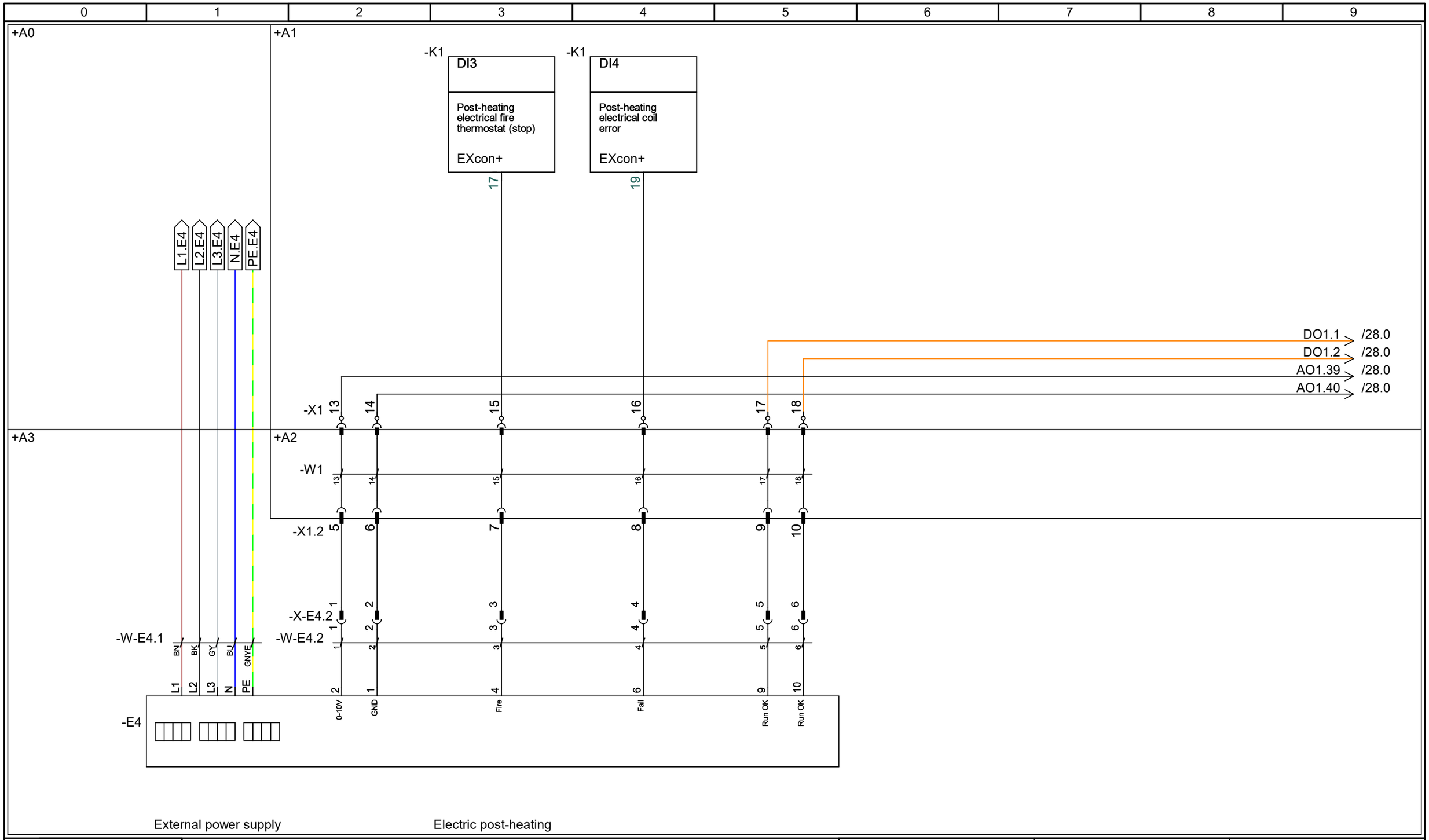
Manufactured by: EXHAUSTO	Project: VEX1000 - Control panel (1x230VAC FANS)	Start date:	01-06-2023	Constructor:	DKTSA	Page:	24
		Revision date:	17-08-2026	Approved by:	DKBP	Previous page:	23
Drawing number: 2028124	Page Title: Standard - Dampers	Revision:	F	Scale:	1:1	Next page:	25
		Replaces revision:	E	Format:	A3	Pages in total:	36



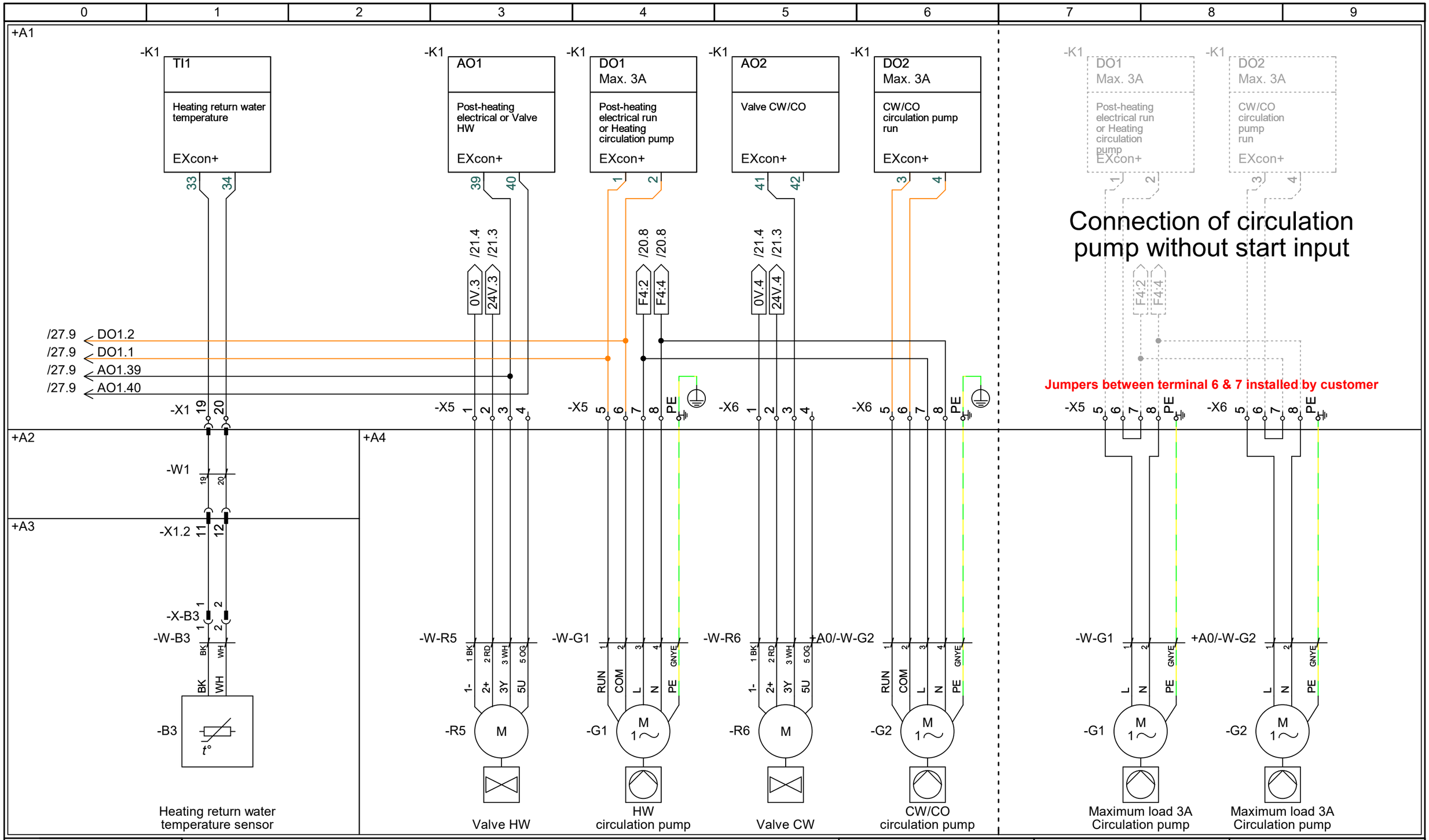
Manufactured by: EXHAUSTO	Project: VEX1000 - Control panel (1x230VAC FANS)	Start date: 01-06-2023	Constructor: DKTSA	Page: 25
		Revision date: 17-08-2026	Approved by: DKBP	Previous page: 24
Drawing number: 2028124	Page Title: Options - Dampers	Revision: F	Scale: 1:1	Next page: 26
		Replaces revision: E	Format: A3	Pages in total: 36



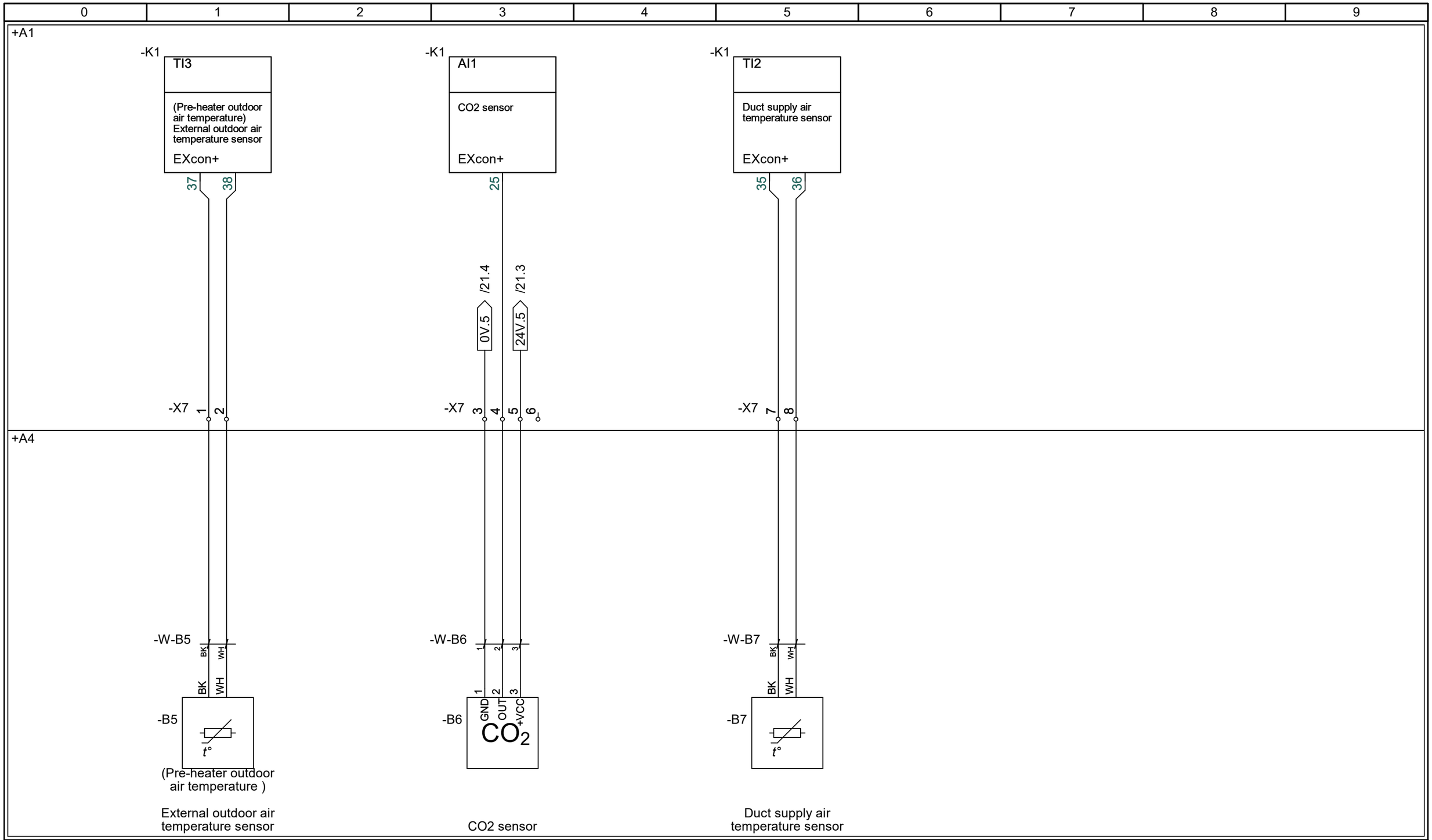
Manufactured by: EXHAUSTO	Project: VEX1000 - Control panel (1x230VAC FANS)	Start date:	01-06-2023	Constructor:	DKTSA	Page: 26
		Revision date:	17-08-2026	Approved by:	DKBP	Previous page: 25
Drawing number: 2028124	Page Title: Options - Pre-heating controls	Revision:	F	Scale:	1:1	Next page: 27
		Replaces revision:	E	Format:	A3	Pages in total: 36



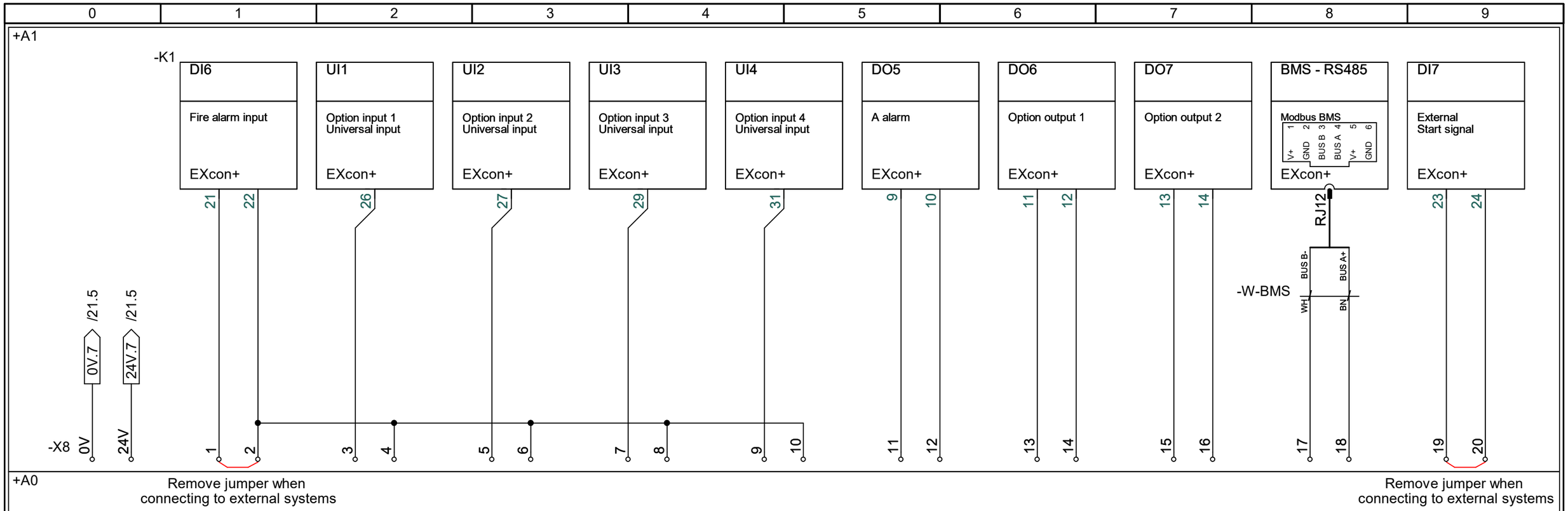
Manufactured by: EXHAUSTO	Project: VEX1000 - Control panel (1x230VAC FANS)	Start date:	01-06-2023	Constructor:	DKTSA	Page: 27
		Revision date:	17-08-2026	Approved by:	DKBP	Previous page: 26
Drawing number: 2028124	Page Title: Options - Post-heating controls	Revision:	F	Scale:	1:1	Next page: 28
		Replaces revision:	E	Format:	A3	Pages in total: 36



Manufactured by: EXHAUSTO	Project: VEX1000 - Control panel (1x230VAC FANS)	Start date: 01-06-2023	Constructor: DKTSA	Page: 28	
		Revision date: 17-08-2026	Approved by: DKBP	Previous page: 27	
Drawing number: 2028124	Page Title: Options - HW/CW/CO controls	Revision: F	Scale: 1:1	Next page: 29	
		Replaces revision: E	Format: A3	Pages in total: 36	



Manufactured by: EXHAUSTO	Project: VEX1000 - Control panel (1x230VAC FANS)	Start date:	01-06-2023	Constructor:	DKTSA	Page: 29
		Revision date:	17-08-2026	Approved by:	DKBP	Previous page: 28
Drawing number: 2028124	Page Title: Options - Temperature & CO2 sensors	Revision:	F	Scale:	1:1	Next page: 30
		Replaces revision:	E	Format:	A3	Pages in total: 36



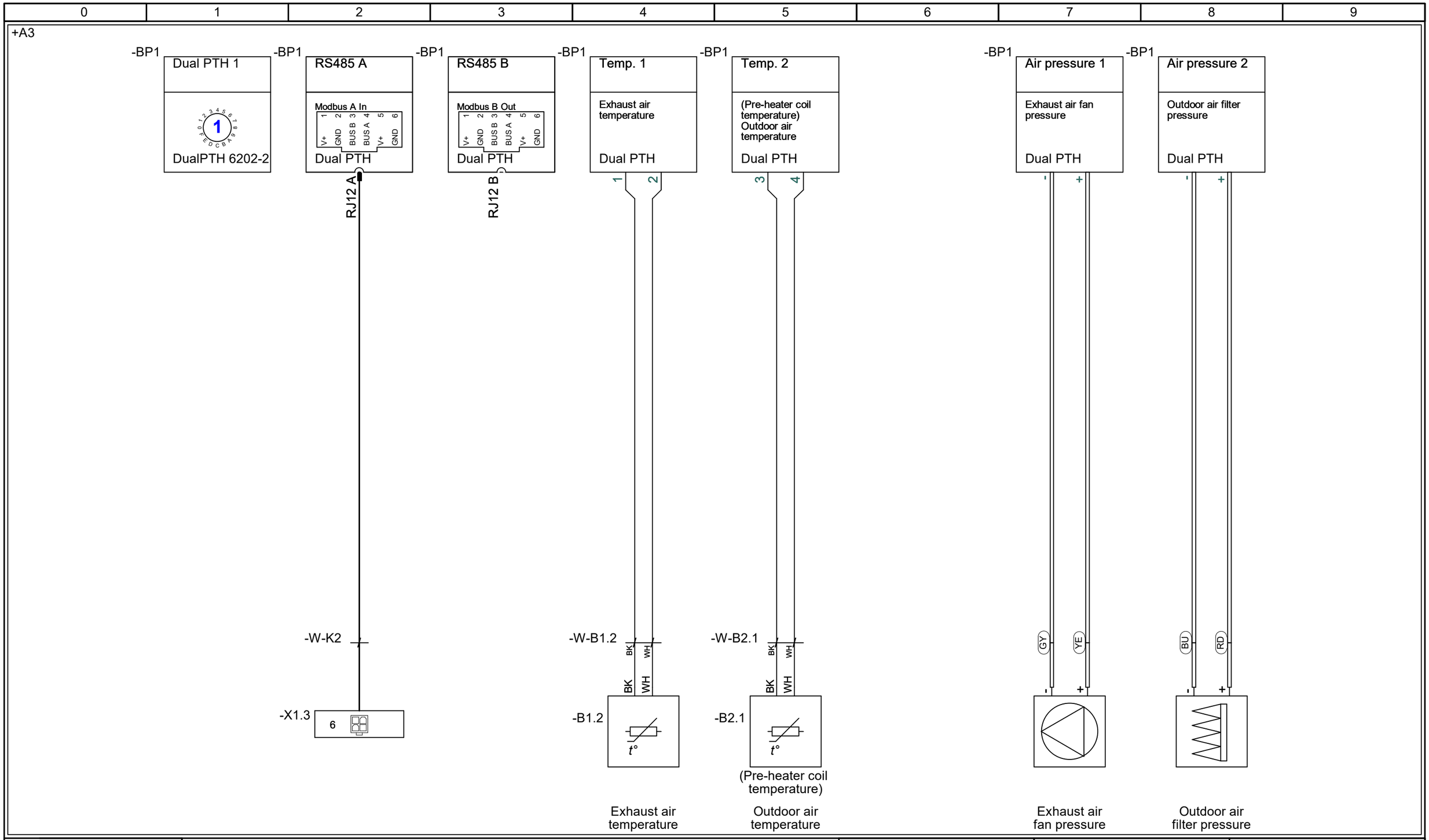
IO	Default setting	Comment
Digital input 6	Fire alarm	Mandatory
Universal input 1 - Option 1	External High Speed mode	-
Universal input 2 - Option 2	External Medium Speed mode	Can change depending on the coil configuration
Universal input 3 - Option 3	External Low Speed mode	Can change depending on the coil configuration
Universal input 4 - Option 4	External resetting of alarms	Can change depending on the coil configuration
Digital output 5	"A" alarm	Mandatory
Digital output 6 - Option 1	User relay	-
Digital output 7 - Option 2	Operating relay	-
RS485	Modbus BMS	-
Digital input 7	External Start signal	Mandatory

For further information on connecting accessories, see document 3006851

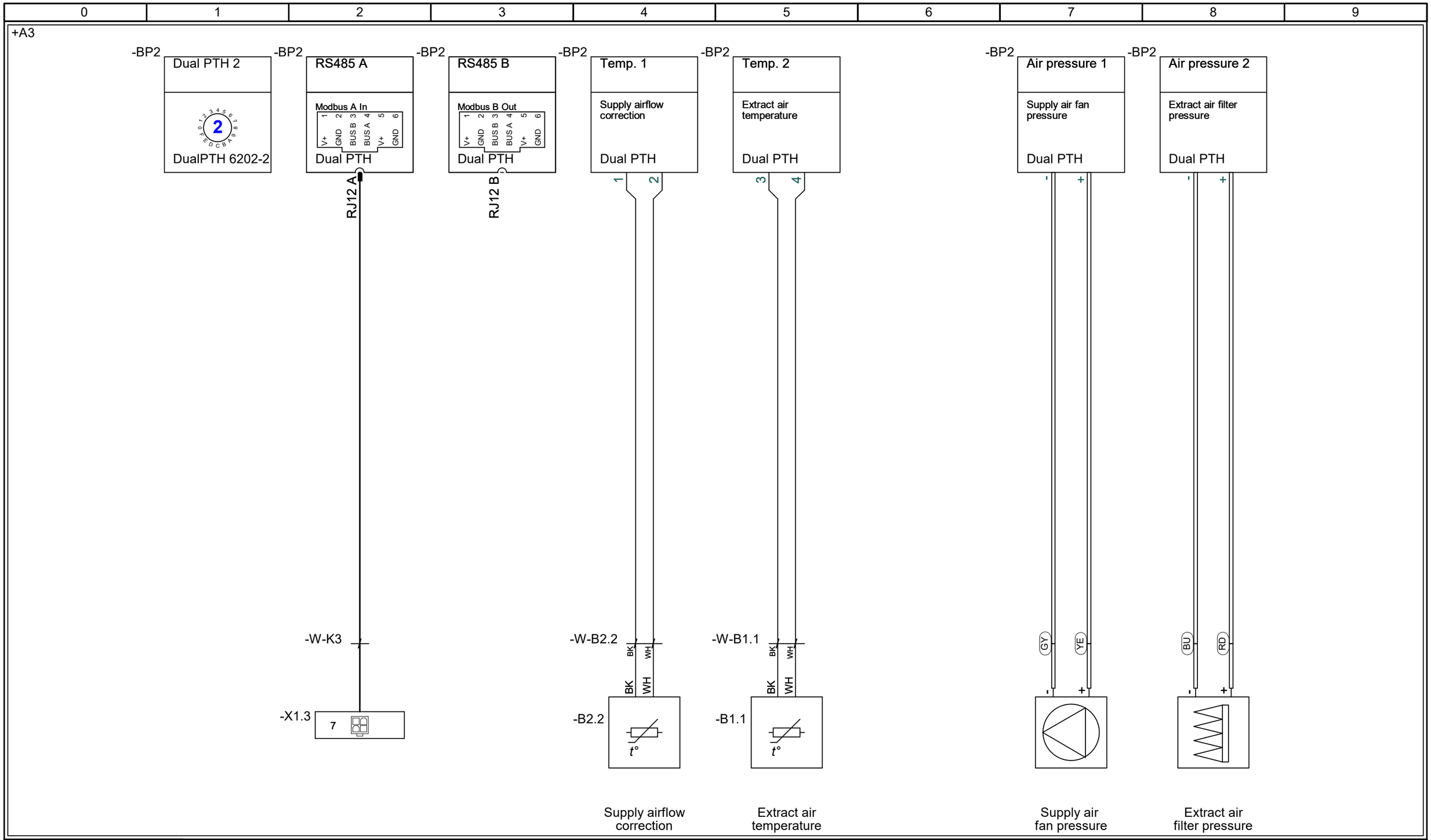
Manufactured by: EXHAUSTO	Project: VEX1000 - Control panel (1x230VAC FANS)	Start date:	01-06-2023	Constructor:	DKTSA	Page: 30
		Revision date:	17-08-2026	Approved by:	DKBP	Previous page: 29
Drawing number: 2028124	Page Title: Standard - Customer connections	Revision:	F	Scale:	1:1	Next page: 40
		Replaces revision:	E	Format:	A3	Pages in total: 36

Pressure & temperature transmitters

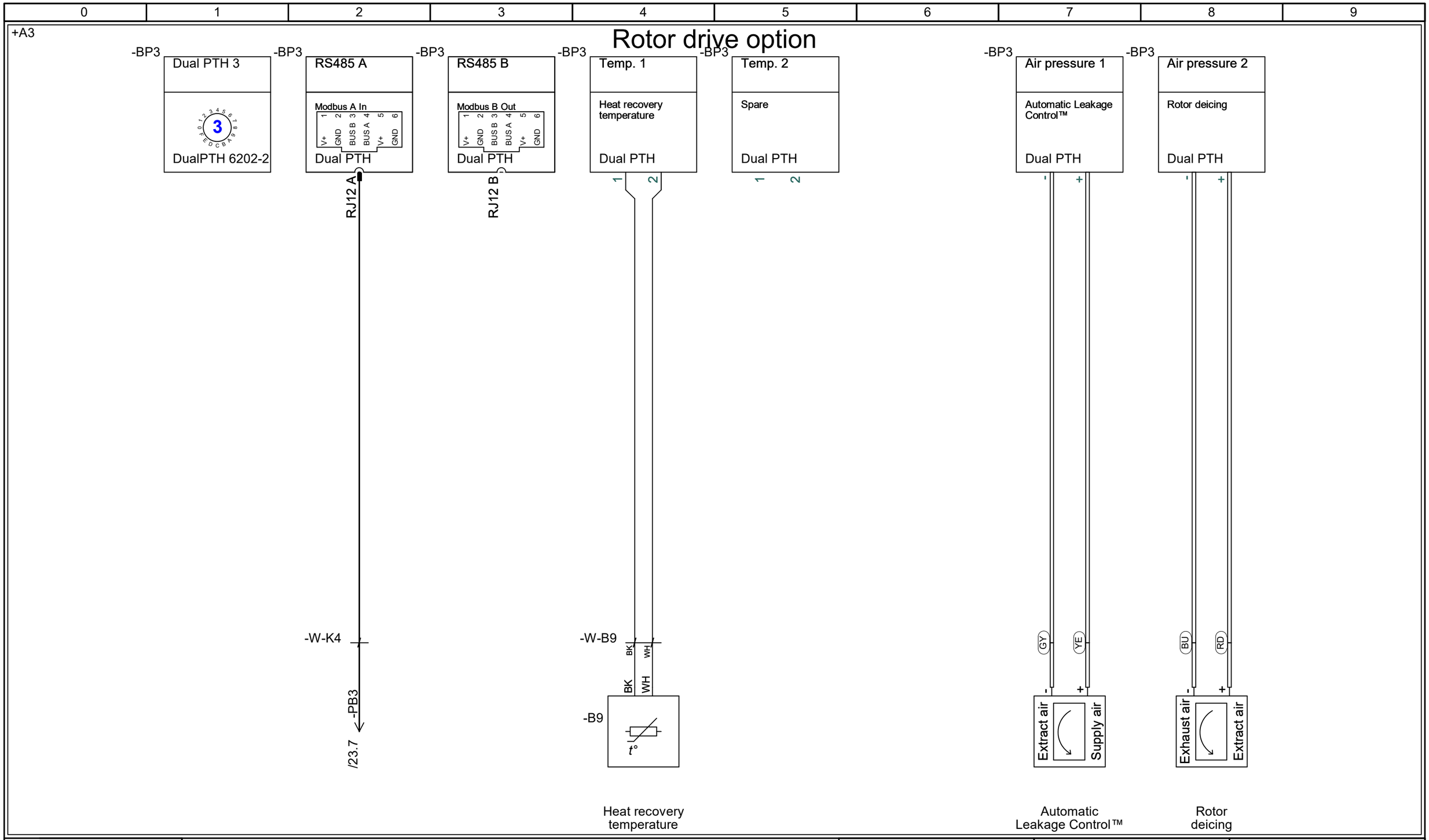
Manufactured by: EXHAUSTO	Project: VEX1000 - Control panel (1x230VAC FANS)	Start date:	01-06-2023	Constructor:	DKTSA	Page:	PTH
		Revision date:	17-08-2026	Approved by:	DKBP	Previous page:	30
Drawing number: 2028124	Page Title: Pressure & temperature transmitters	Revision:	F	Scale:	1:1	Next page:	40
		Replaces revision:	E	Format:	A3	Pages in total:	36



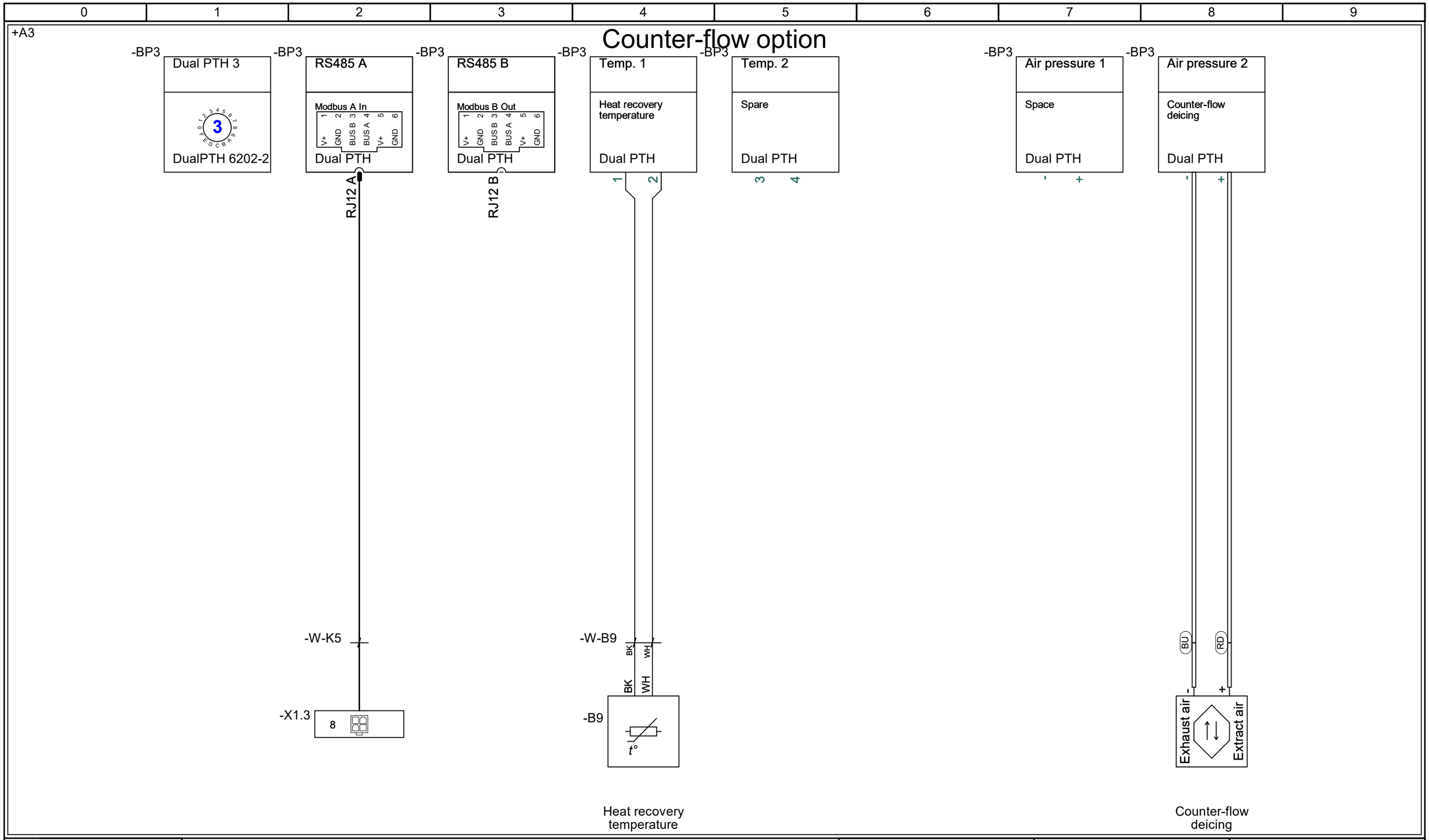
Manufactured by: EXHAUSTO	Project: VEX1000 - Control panel (1x230VAC FANS)	Start date: 01-06-2023	Constructor: DKTSA	Page: 40	
		Revision date: 17-08-2026	Approved by: DKBP	Previous page: 30	
Drawing number: 2028124	Page Title: Standard - Dual PTH 1	Revision: F	Scale: 1:1	Next page: 41	
		Replaces revision: E	Format: A3	Pages in total: 36	



Manufactured by: EXHAUSTO	Project: VEX1000 - Control panel (1x230VAC FANS)	Start date: 01-06-2023	Constructor: DKTSA	Page: 41	
		Revision date: 17-08-2026	Approved by: DKBP	Previous page: 40	
Drawing number: 2028124	Page Title: Standard - Dual PTH 2	Revision: F	Scale: 1:1	Next page: 42	
		Replaces revision: E	Format: A3	Pages in total: 36	



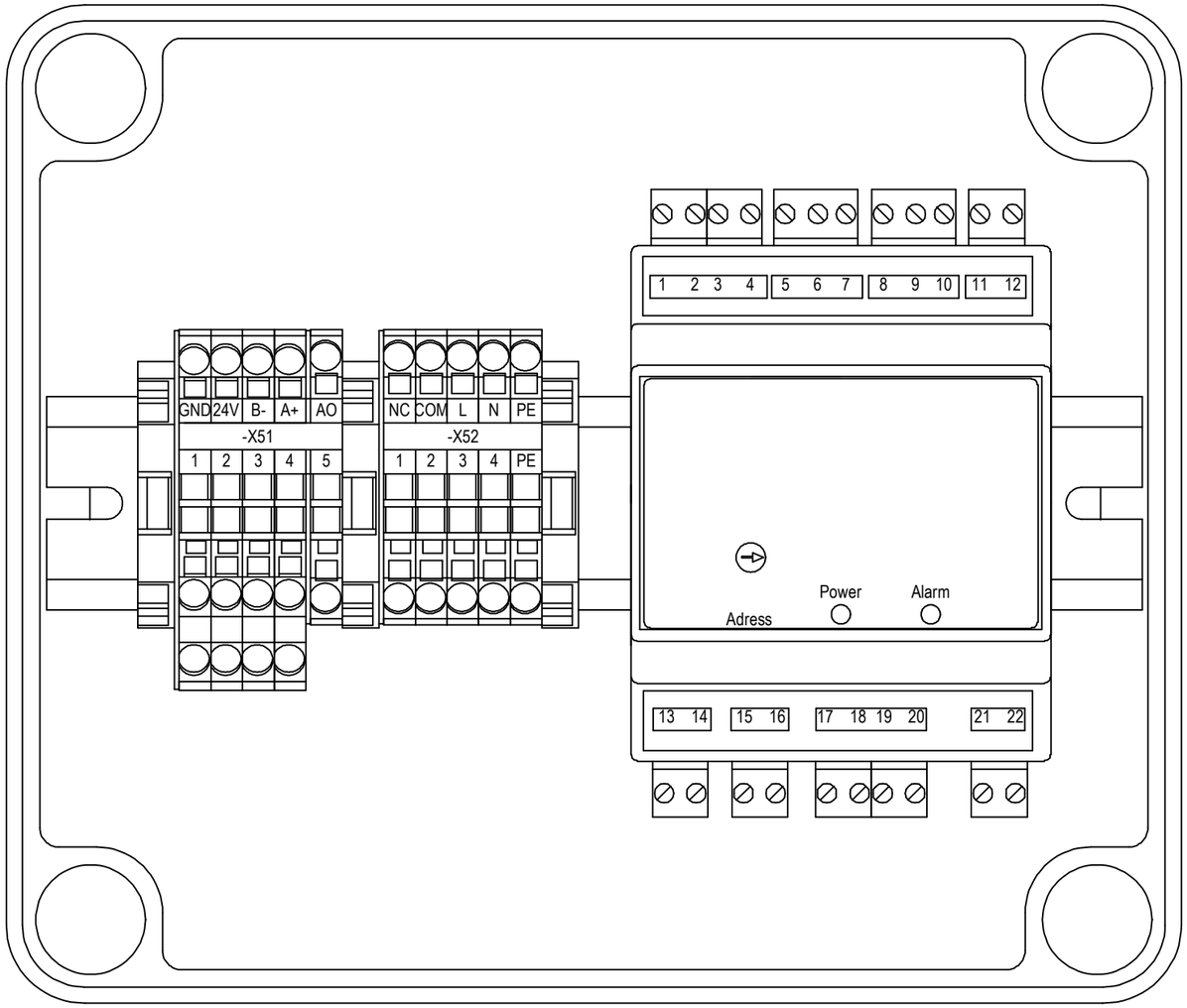
Manufactured by: EXHAUSTO	Project: VEX1000 - Control panel (1x230VAC FANS)	Start date:	01-06-2023	Constructor:	DKTSA	Page: 42
		Revision date:	17-08-2026	Approved by:	DKBP	Previous page: 41
Drawing number: 2028124	Page Title: Option - ALC™ - Rotor deicing - Heat recovery temp.	Revision:	F	Scale:	1:1	Next page: 43
		Replaces revision:	E	Format:	A3	Pages in total: 36



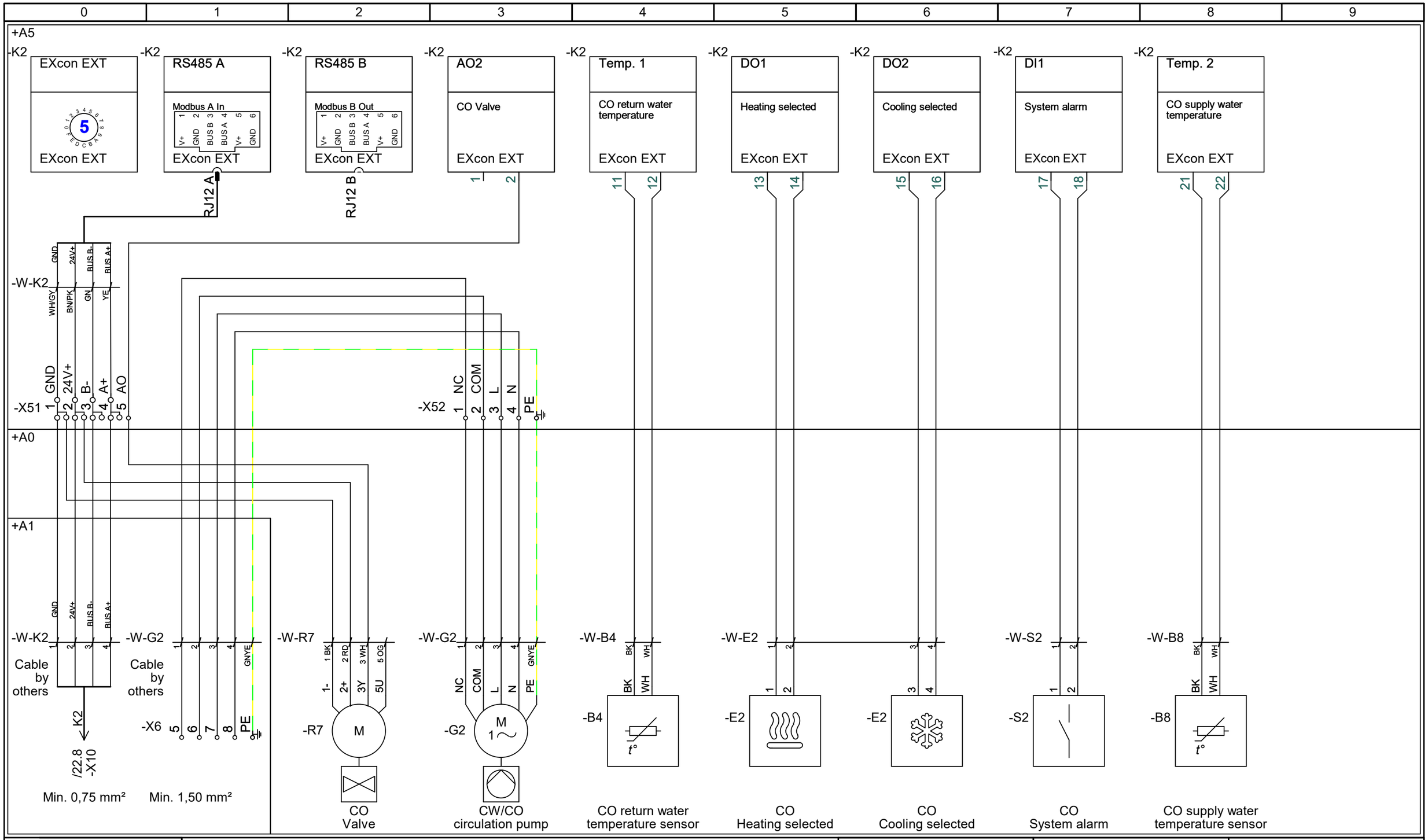
Manufactured by: EXHAUSTO	Project: VEX1000 - Control panel (1x230VAC FANS)	Start date:	01-06-2023	Constructor:	DKTSA	Page: 43
		Revision date:	17-08-2026	Approved by:	DKBP	Previous page: 42
Drawing number: 2028124	Page Title: Option - Counter-flow deicing - Heat recovery temp.	Revision:	F	Scale:	1:1	Next page: 50
		Replaces revision:	E	Format:	A3	Pages in total: 36

Option - Coil control box

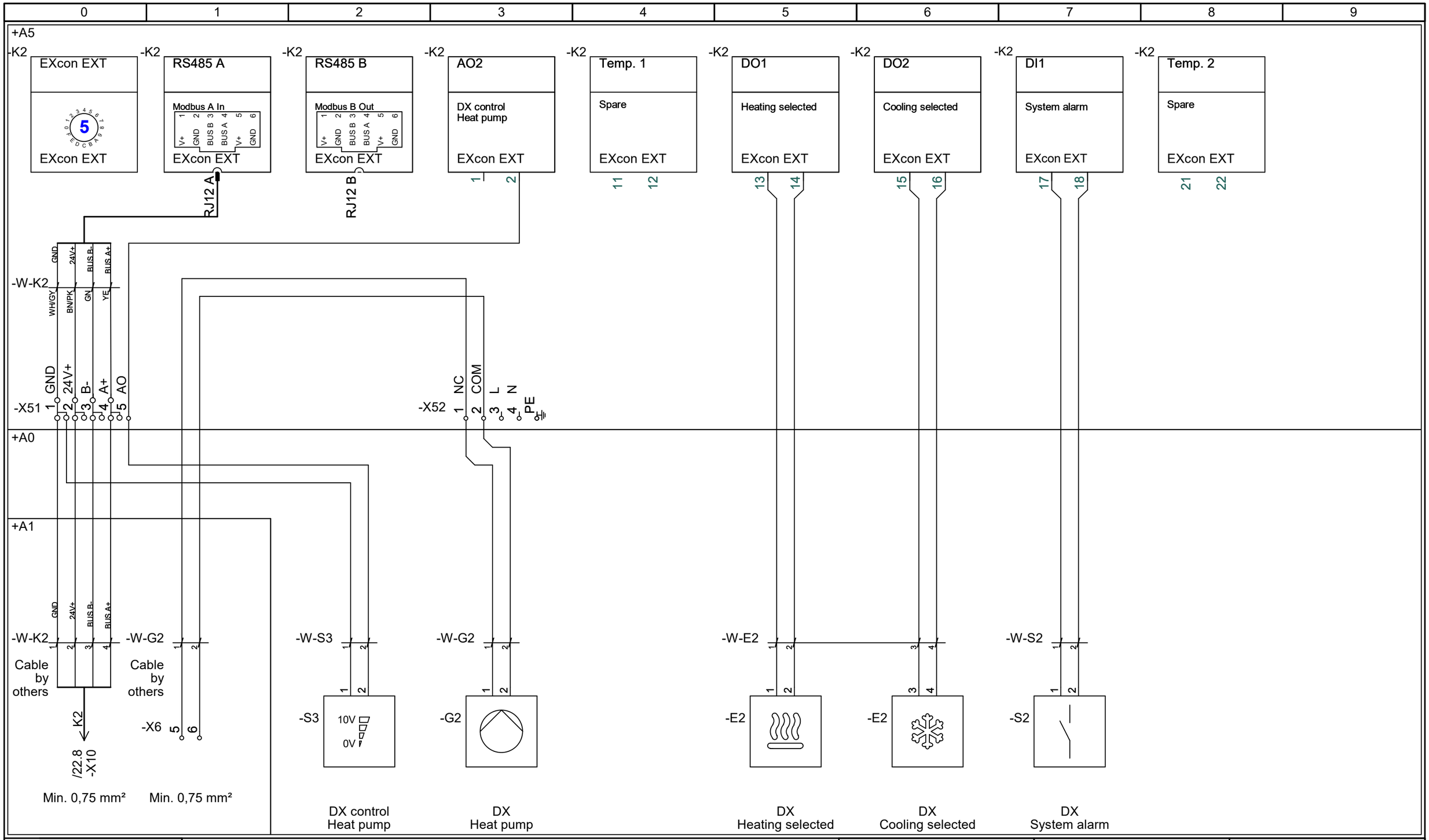
Manufactured by: EXHAUSTO	Project: VEX1000 - Control panel (1x230VAC FANS)	Start date:	01-06-2023	Constructor:	DKTSA	Page:	Coil control box
		Revision date:	17-08-2026	Approved by:	DKBP	Previous page:	43
Drawing number: 2028124	Page Title: Option - Coil control box	Revision:	F	Scale:	1:1	Next page:	50
		Replaces revision:	E	Format:	A3	Pages in total:	36



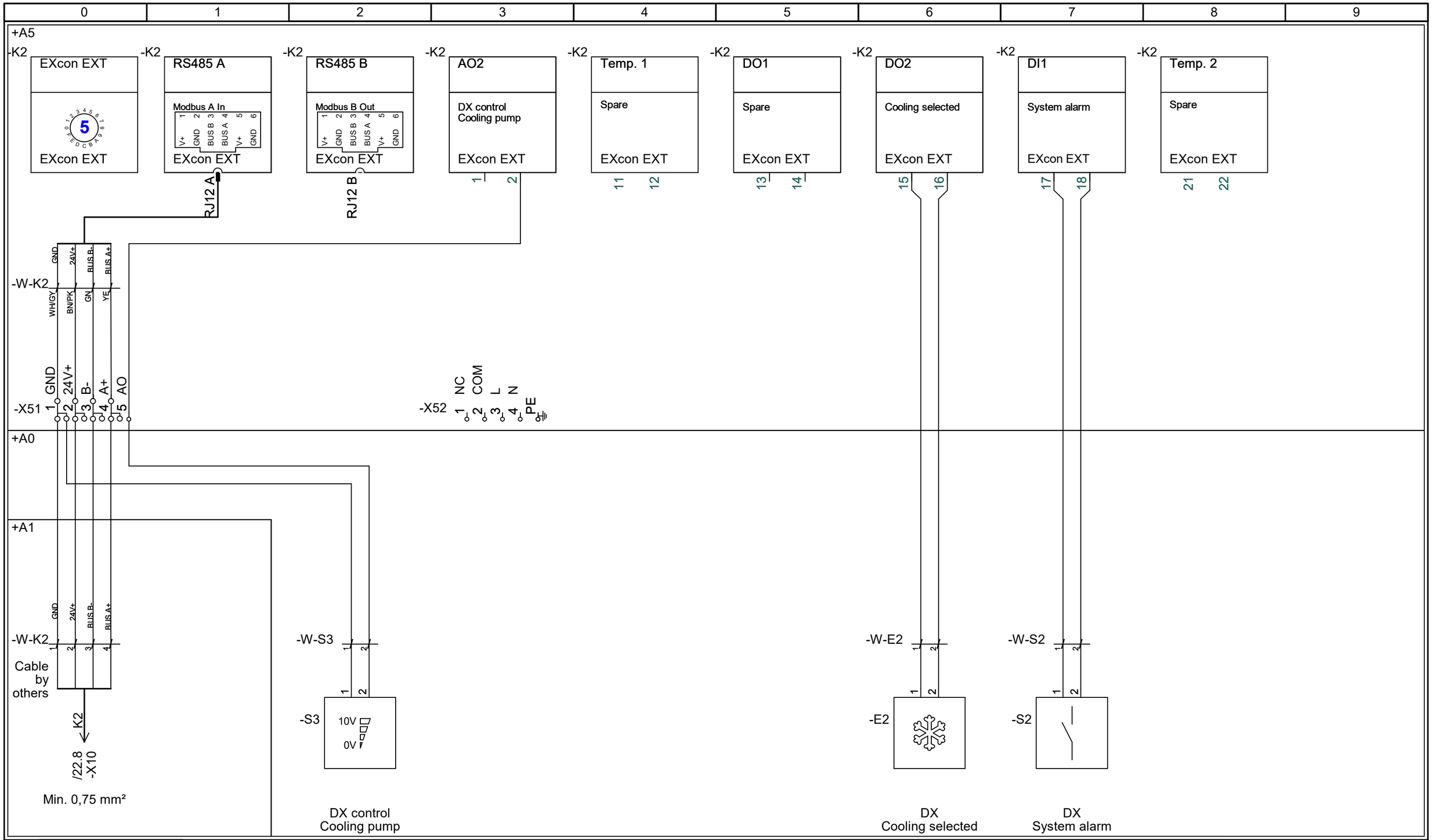
Manufactured by: EXHAUSTO	Project: VEX1000 - Control panel (1x230VAC FANS)	Start date:	01-06-2023	Constructor:	DKTSA	Page:	50
		Revision date:	17-08-2026	Approved by:	DKBP	Previous page:	43
Drawing number: 2028124	Page Title: Option - Coil control box layout	Revision:	F	Scale:	1:1	Next page:	51
		Replaces revision:	E	Format:	A3	Pages in total:	36



Manufactured by: EXHAUSTO	Project: VEX1000 - Control panel (1x230VAC FANS)	Start date: 01-06-2023	Constructor: DKTSA	Page: 51
		Revision date: 17-08-2026	Approved by: DKBP	Previous page: 50
Drawing number: 2028124	Page Title: Option - Combi Coil	Revision: F	Scale: 1:1	Next page: 52
		Replaces revision: E	Format: A3	Pages in total: 36



Manufactured by: EXHAUSTO	Project: VEX1000 - Control panel (1x230VAC FANS)	Start date: 01-06-2023	Constructor: DKTSA	Page: 52
		Revision date: 17-08-2026	Approved by: DKBP	Previous page: 51
Drawing number: 2028124	Page Title: Option - Direct Expansion Heat pump	Revision: F	Scale: 1:1	Next page: 53
		Replaces revision: E	Format: A3	Pages in total: 36



Manufactured by: EXHAUSTO	Project: VEX1000 - Control panel (1x230VAC FANS)	Start date:	01-06-2023	Constructor:	DKTSA	Page: 53
		Revision date:	17-08-2026	Approved by:	DKBP	Previous page: 52
Drawing number: 2028124	Page Title: Option - Direct Expansion Cooling	Revision:	F	Scale:	1:1	Next page: .
		Replaces revision:	E	Format:	A3	Pages in total: 36

Scan code and go to addresses at
www.exhausto.dk

EXHAUSTO