

Pano Adı/Panel Name

ERV REGIN

Pano Tipi/Panel Type

MCC/DDC

Çizim Tarihi/Drawing Date **26.08.2024**

Çizen/Draw: Elif SAVAŞ

REV03 95201638

PART NUMBER	01	PAGE NO: 1	
DEVICE NUMBER:	95201638	EXPLANATION :	
PART NAME :	COVER		
	NAME	DATE	SIGNATURE
DRAW :	Elif SAVAŞ	4.11.2025	
CHECKED :	Ali AYKOSE	4.11.2025	
APPROVED BY :			

E-Box Dizayn

POWER CABLES	COLOR	CABLE CROSS
E-BOX POWER	-	3x2.5 mm ² TTR
PHASE (L1)	GREY	1x1 mm ² NYAF
PHASE (L2)	BROWN	1x1 mm ² NYAF
PHASE (L3)	BLACK	1x1 mm ² NYAF
NOTR (N)	BLUE	1x1 mm ² NYAF
GROUND (PE)	YELLOW-GREEN	1x1 mm ² NYAF

CONTROL CABLES	COLOR	CABLE CROSS
AC KONTROL (220VAC)	BLACK	1x0.5 mm ² NYAF
AC KONTROL (N)	BLUE	1x0.5 mm ² NYAF
AC KONTROL (24V)	RED	1x0.5 mm ² NYAF
AC KONTROL (G0)	WHITE	1x0.5 mm ² NYAF
ANALOG OUTPUT	YELLOW	1x0.5 mm ² NYAF
ANALOG INPUT	ORANGE	1x0.5 mm ² NYAF
NC/NO CONTACT	DARK GREEN	1x0.5 mm ² NYAF
MODBUS A	GREY	1x0.5 mm ² NYAF
MODBUS B	BROWN	1x0.5 mm ² NYAF
MODBUS GND	WHITE	1x0.5 mm ² NYAF

PART NUMBER	02	PAGE NO: 2	
DEVICE NUMBER:	95201638	EXPLANATION :	
PART NAME :	E-Box Dizayn		
	NAME	DATE	SIGNATURE
DRAW :	BUSRA KARACIGAY	4.11.2025	
CHECKED :	Ali AYKOSE	4.11.2025	
APPROVED BY :			

Cable Description

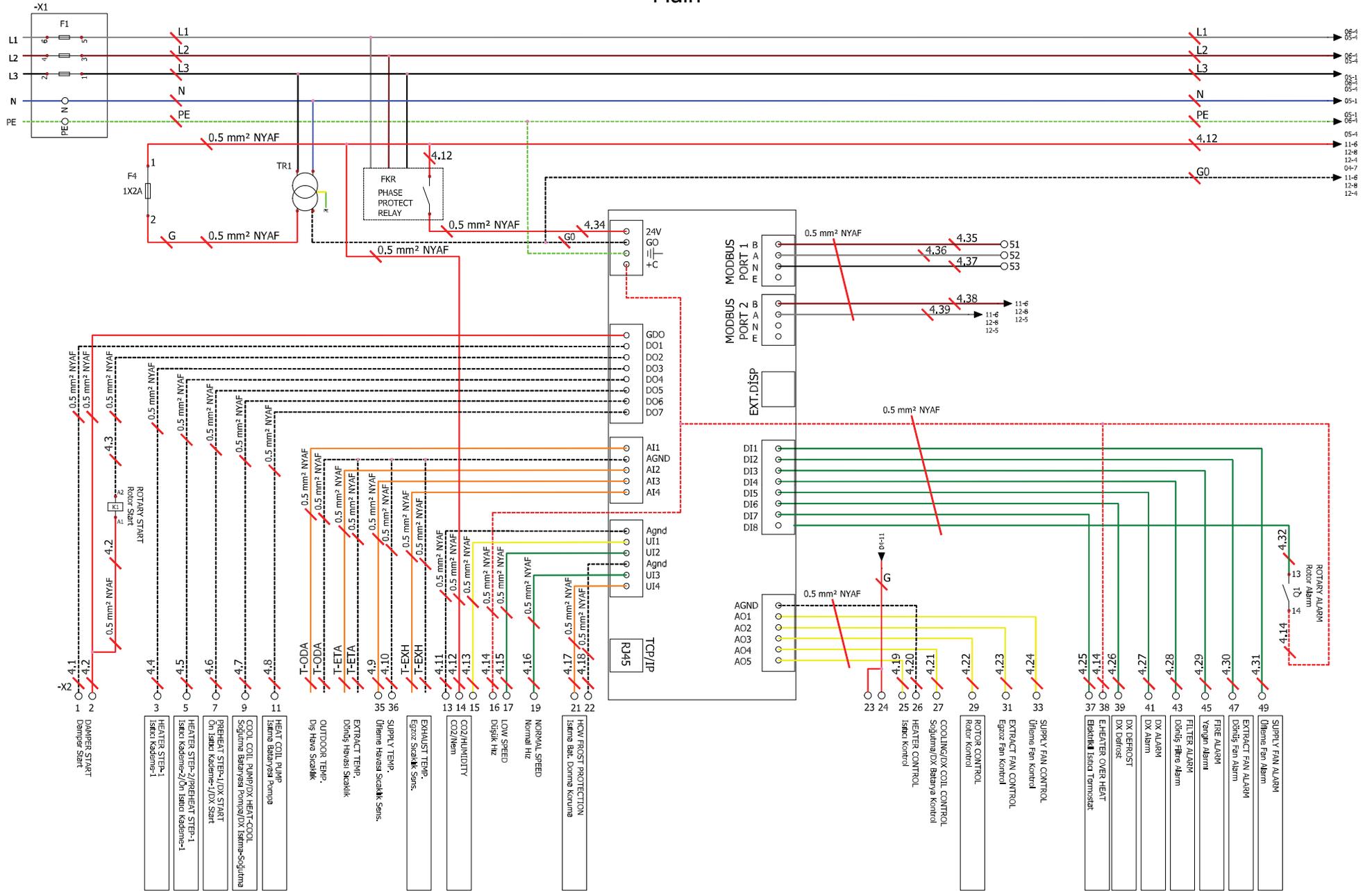
CABLE CODE

CABLE DESCRIPTION

F-SUP	SUPPLY FAN
F-EHA	EXHAUST FAN
BYP	BYPASS
RTR	ROTOR
T-ODA	OUTDOOR TEMPERATURE
T-SUP	SUPPLY TEMPERATURE
T-ETA	EXTRACT TEMPERATURE
T-EXH	EXHAUST TEMPERATURE
HT	ELECTRICAL POST HEATER
HT-F	ELECTRICAL POST HEATER ALARM
PHT	ELECTRICAL PRE HEATER
PHT-F	ELECTRICAL PRE HEATER ALARM
HCW	HEATING COIL WATER
CCW	COOLING COIL WATER
CO2	CO2 SENSOR
HUM	HUMIDITY SENSOR
DPS	DIRTY FILTER/DIFFERENCIAL PRESSURE SWITCH
T-FRZ	FROST TEMPERATURE
FTH	FROST THERMOSTAT

PART NUMBER	03	PAGE NO: 3	
DEVICE NUMBER:	95201638	EXPLANATION :	
PART NAME :	Cable Description		
	NAME	DATE	SIGNATURE
DRAW :	Elif SAVAS	4.11.2025	
CHECKED :	Ali AYKOSE	4.11.2025	
APPROVED BY :			

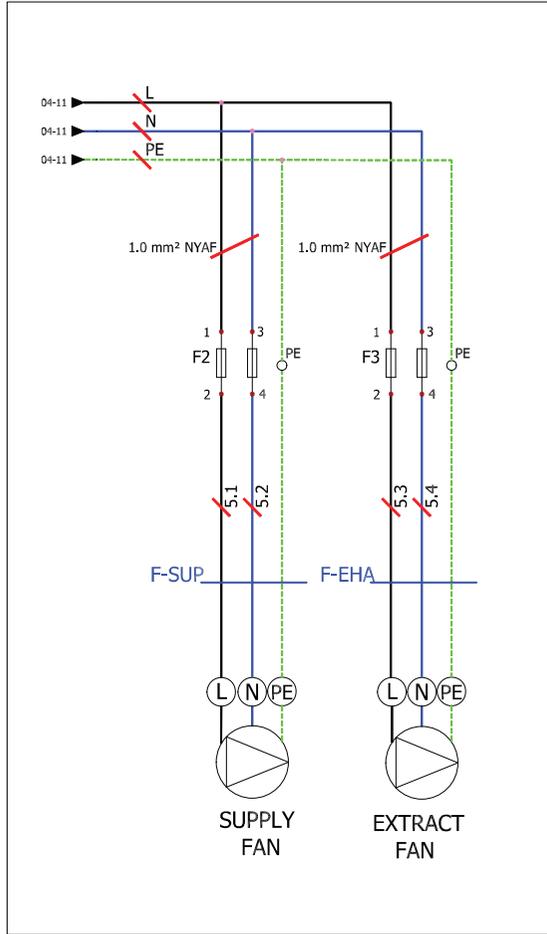
Main



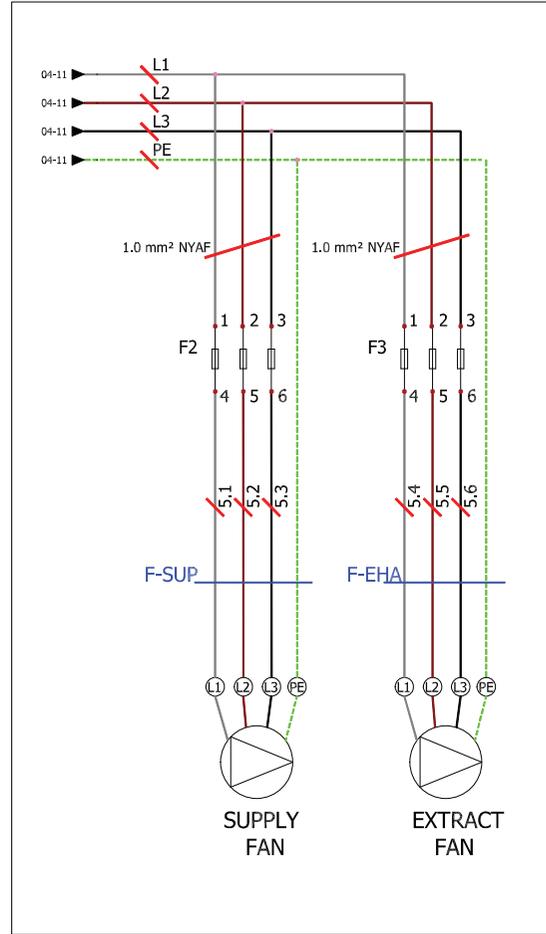
* When there is a tach signal in the fans, flow switch will be used for fan alarms. (DPS Option)

PART NUMBER	04	PAGE NO:	4
DEVICE NUMBER:	95201638	EXPLANATION :	
PART NAME :	Main		
	NAME	DATE	SIGNATURE
DRAW :	Elif SAVAS	4.11.2025	
CHECKED :	Ali AYKOSE	4.11.2025	
APPROVED BY :			

Fan Connections



ERV 100-200-300



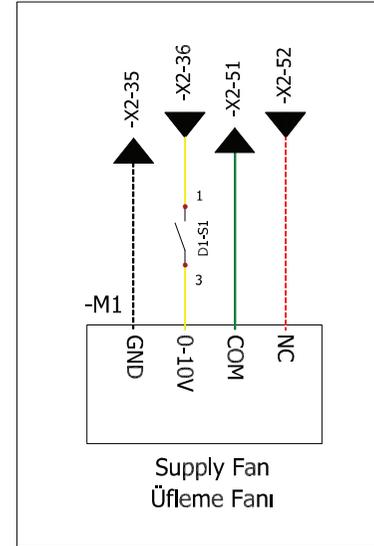
ERV 400-500-700-900-1100

Note:

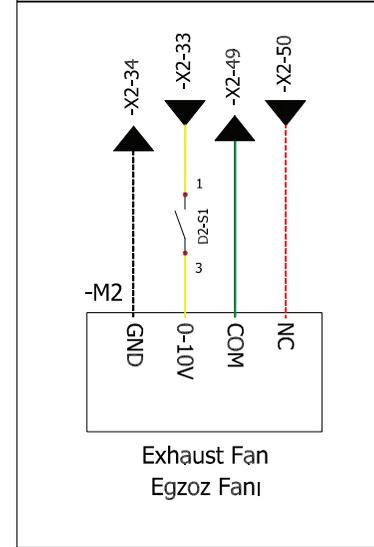
D1-S : Damper 1 Open Switch
D2-S : Damper 2 Open Switch
Damper open switches are only used when outlet dampers are configured.

Not:

D1-S : Damper 1 Açık Switchi
D2-S : Damper 2 Açık Switchi
Damper açma anahtarları yalnızca çıkış damperleri konfigüre edildiğinde kullanılır.

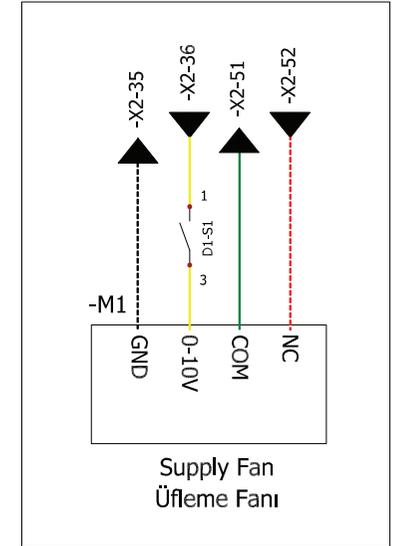


Supply Fan
Üfleme Fanı

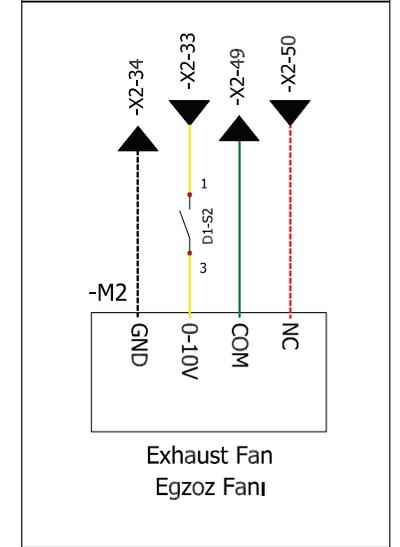


Exhaust Fan
Egzoz Fanı

ERV H



Supply Fan
Üfleme Fanı

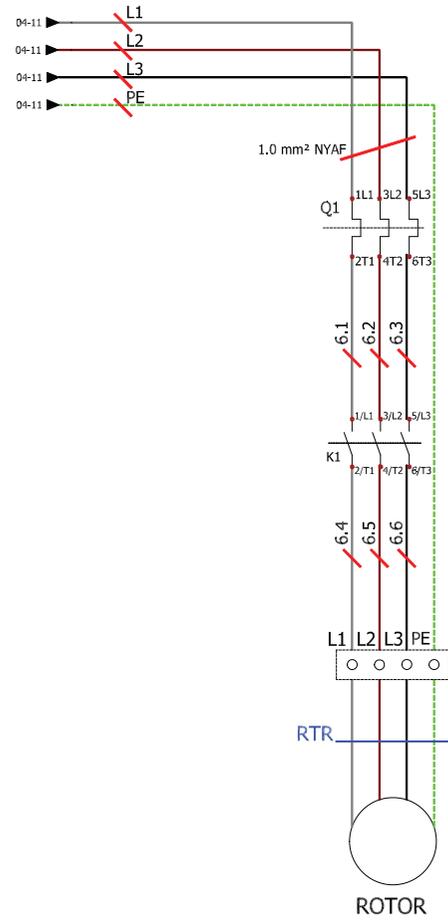


Exhaust Fan
Egzoz Fanı

ERV V

PART NUMBER	05	PAGE NO:	5
DEVICE NUMBER:	95201638	EXPLANATION :	
PART NAME :	Fan Connections		
	NAME	DATE	SIGNATURE
DRAW :	Elif SAVAŞ	4.11.2025	
CHECKED :	Ali AYKOSE	4.11.2025	
APPROVED BY :			

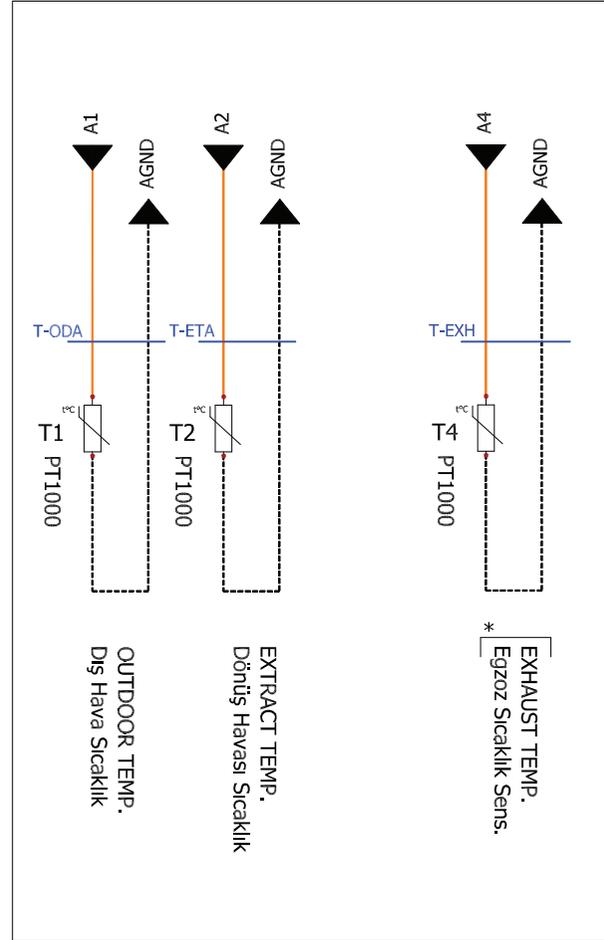
Rotor On/Off Control



PART NUMBER	06	PAGE NO:	6
DEVICE NUMBER:	95201638	EXPLANATION :	
PART NAME :	Rotor On/Off Control		
	NAME	DATE	SIGNATURE
DRAW :	Elif SAVAS	4.11.2025	
CHECKED :	Ali AYKOSE	4.11.2025	
APPROVED BY :			

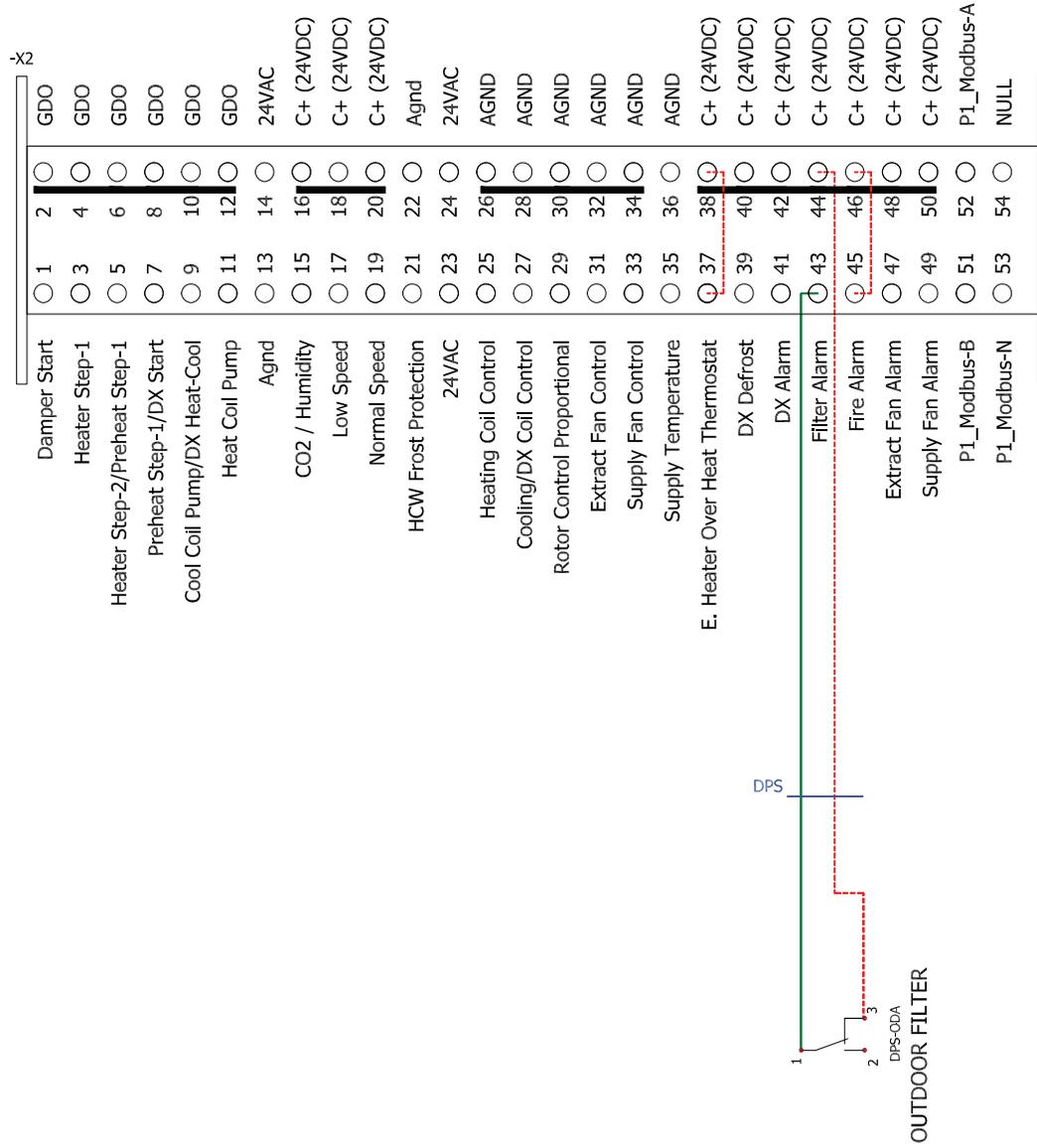
Temperature Sensors Connections

TEMPERATURE SENSORS SICAKLIK SENSÖRLERİ

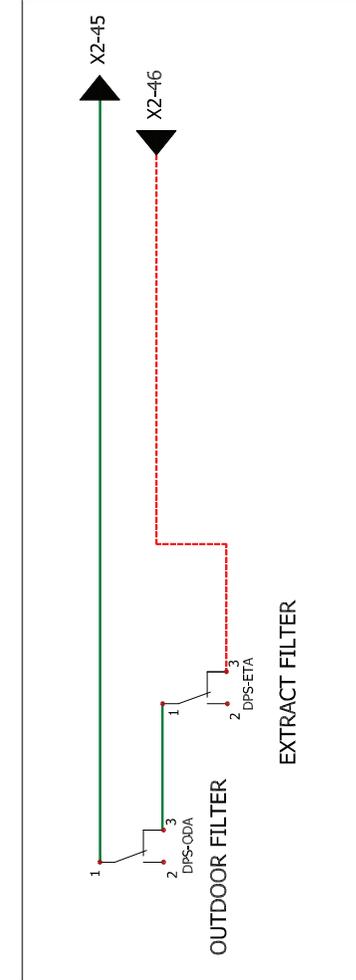


PART NUMBER	07	PAGE NO: 7	
DEVICE NUMBER:	95201638	EXPLANATION :	
PART NAME :	Temperature Sensors Connections		
	NAME	DATE	SIGNATURE
DRAW :	Elif SAVAŞ	4.11.2025	
CHECKED :	Ali AYKOSE	4.11.2025	
APPROVED BY :			

Filter Protection



FILTER PROTECTION FİLTRE KORUMA



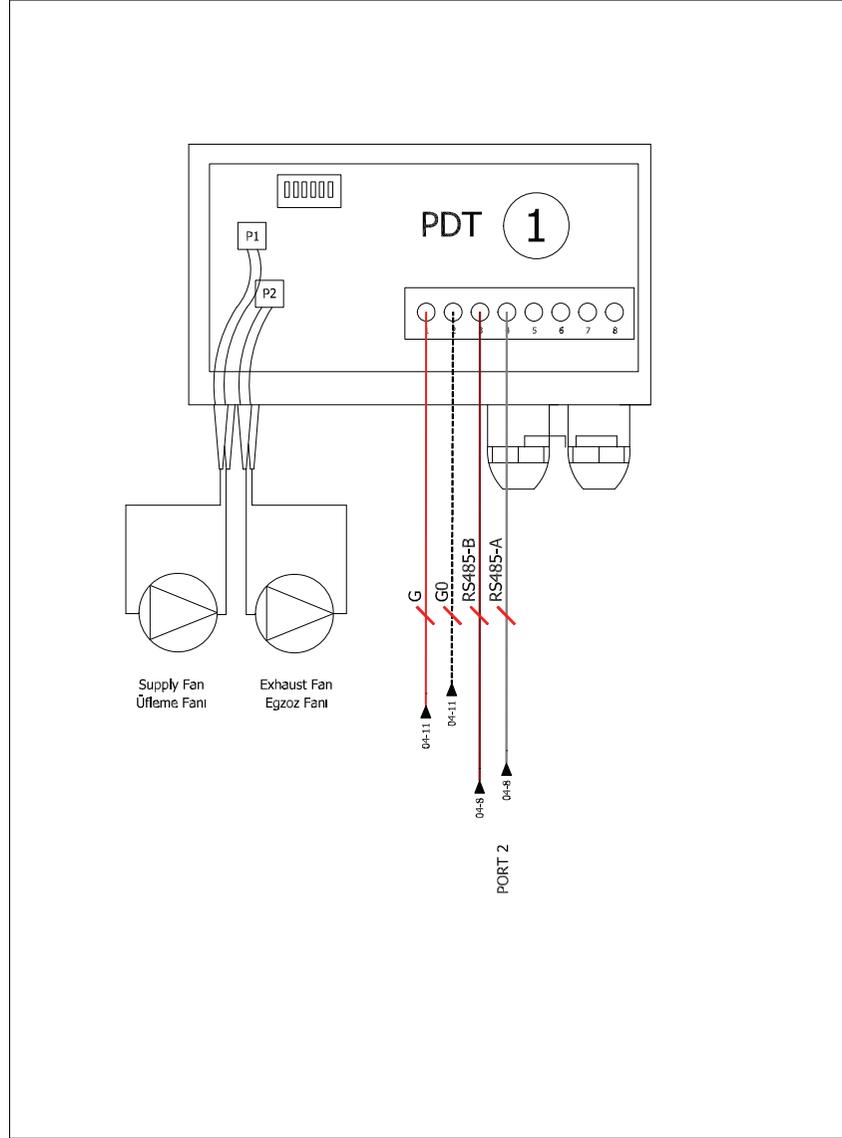
DPS-ETA is optional
DPS-ETA opsiyoneldir.

PART NUMBER	08	PAGE NO:	8
DEVICE NUMBER:	95201638	EXPLANATION :	
PART NAME :	Filter Protection		
	NAME	DATE	SIGNATURE
DRAW :	Elif SAVAS	4.11.2025	
CHECKED :	Ali AYKOSE	4.11.2025	
APPROVED BY :			

ACCESSORIES AND OPTIONAL CONFIGURATIONS

PART NUMBER	10	PAGE NO: 10	
DEVICE NUMBER:	95201638	EXPLANATION :	
PART NAME :			
	NAME	DATE	SIGNATURE
DRAW :	Elif SAVAS	4.11.2025	
CHECKED :	Ali AYKOSE	4.11.2025	
APPROVED BY :			

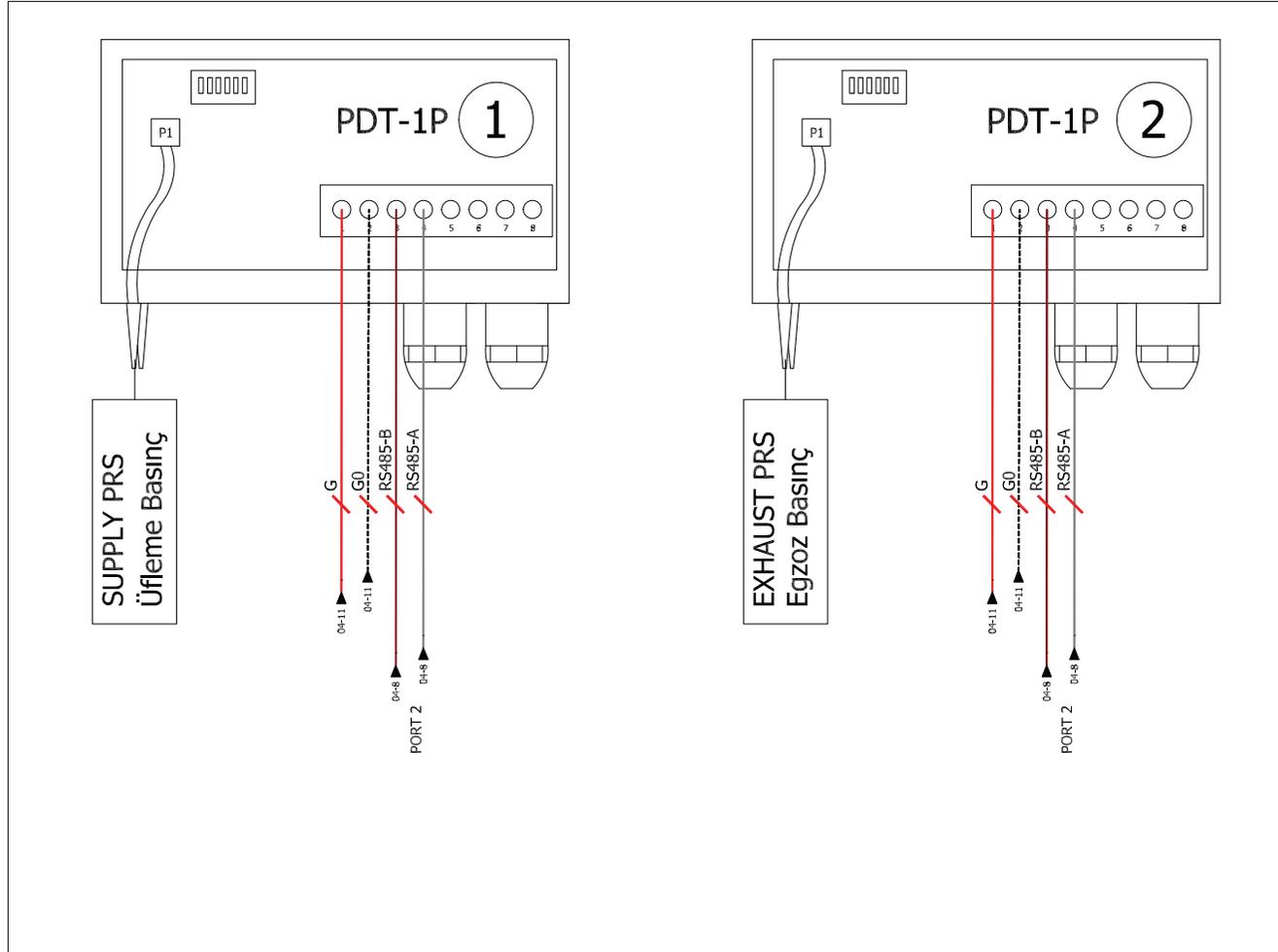
Air Flow Control Function



Note: Flow control is optional feature
 Not: Debi kontrolü opsiyoneldir.

PART NUMBER	11	PAGE NO: 11	
DEVICE NUMBER:	95201638	EXPLANATION :	
PART NAME :	Rotary Proportional Control		
	NAME	DATE	SIGNATURE
DRAW :	Elif SAVAŞ	4.11.2025	
CHECKED :	Ali AYKOSE	4.11.2025	
APPROVED BY :			

Constant Pressure Function

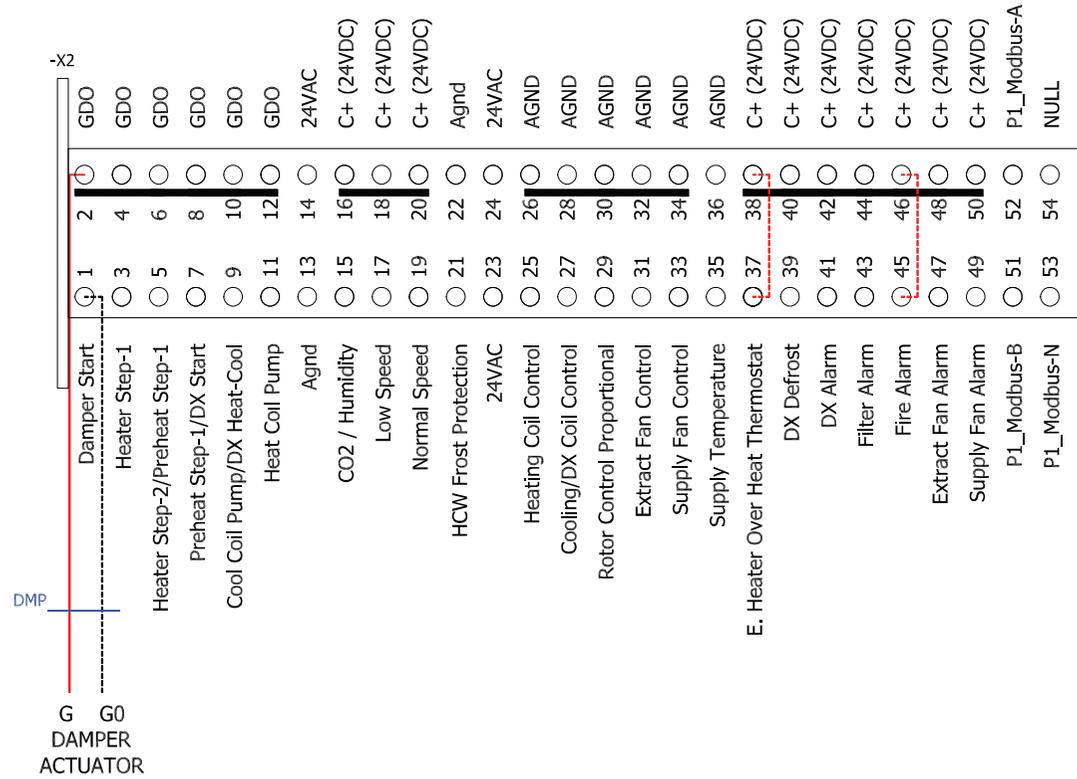


Note:
When this function is used, the flow control function is canceled.
The flow control connections in Port 2 must be removed and replaced with pressure control connections.

Not:
Bu fonksiyon kullanıldığında debi kontrol fonksiyonu iptal edilir.
Port 2'deki akış kontrol bağlantıları çıkarılmalı ve basınç kontrol bağlantıları ile değiştirilmelidir.

PART NUMBER	12	PAGE NO: 12	
DEVICE NUMBER:	95201638	EXPLANATION :	
PART NAME :	Air Flow Control Function		
	NAME	DATE	SIGNATURE
DRAW :	Elif SAVAŞ	4.11.2025	
CHECKED :	Ali AYKOSE	4.11.2025	
APPROVED BY :			

Damper Actuator

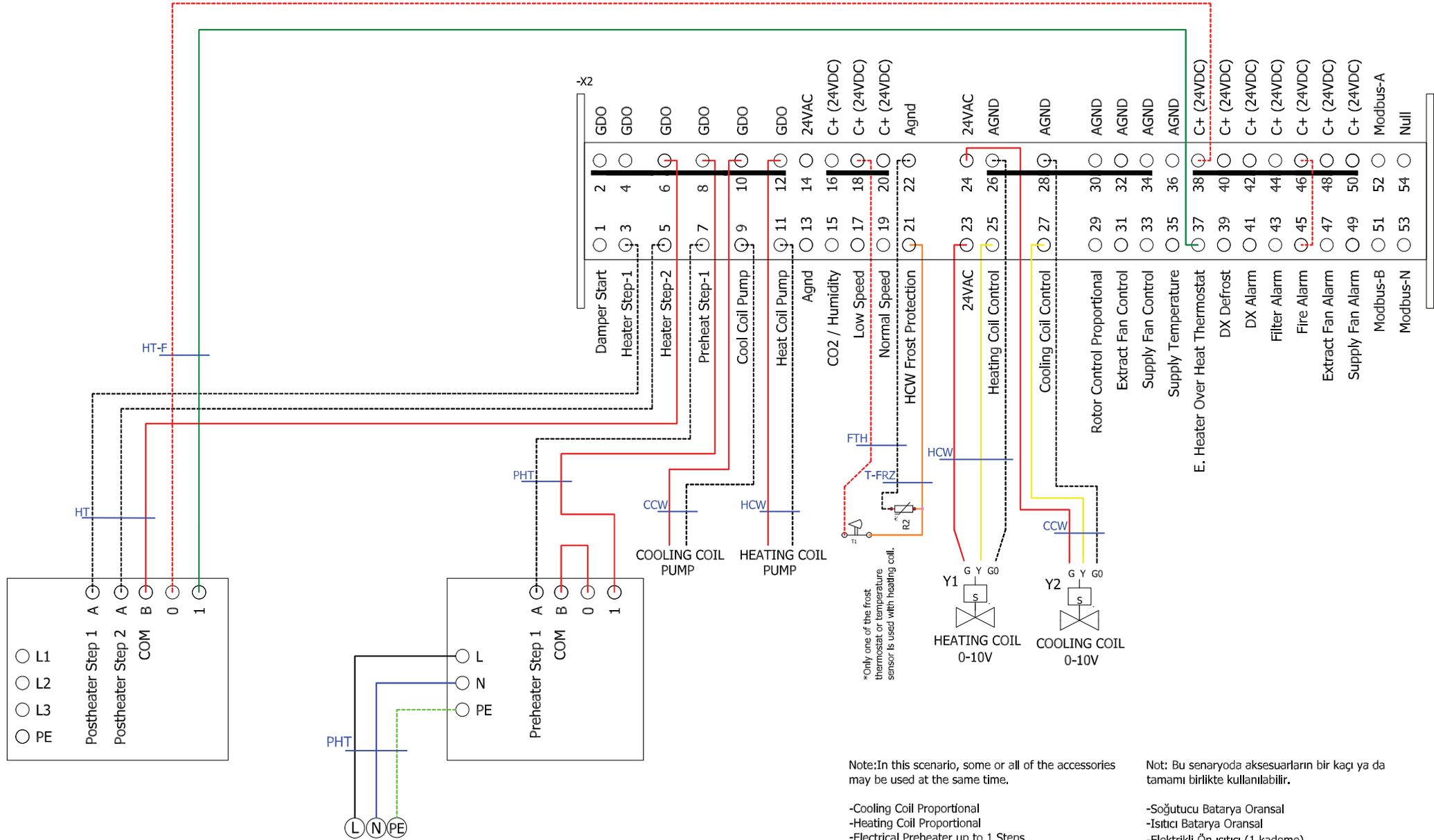


Note: Outlet Dampers are optional
Check the Fan Connections Page for damper switches

Not: Dış Damperler opsiyoneldir
Damper açık anahtarları için Fan Bağlantıları sayfasını kontrol edin

PART NUMBER	14	PAGE NO: 14	
DEVICE NUMBER:	95201638	EXPLANATION :	
PART NAME :	CO2 or Humidity		
	NAME	DATE	SIGNATURE
DRAW :	Elif SAVAS	4.11.2025	
CHECKED :	Ali AYKOSE	4.11.2025	
APPROVED BY :			

HCW/CCW/PHTR/HTR



Note: In this scenario, some or all of the accessories may be used at the same time.

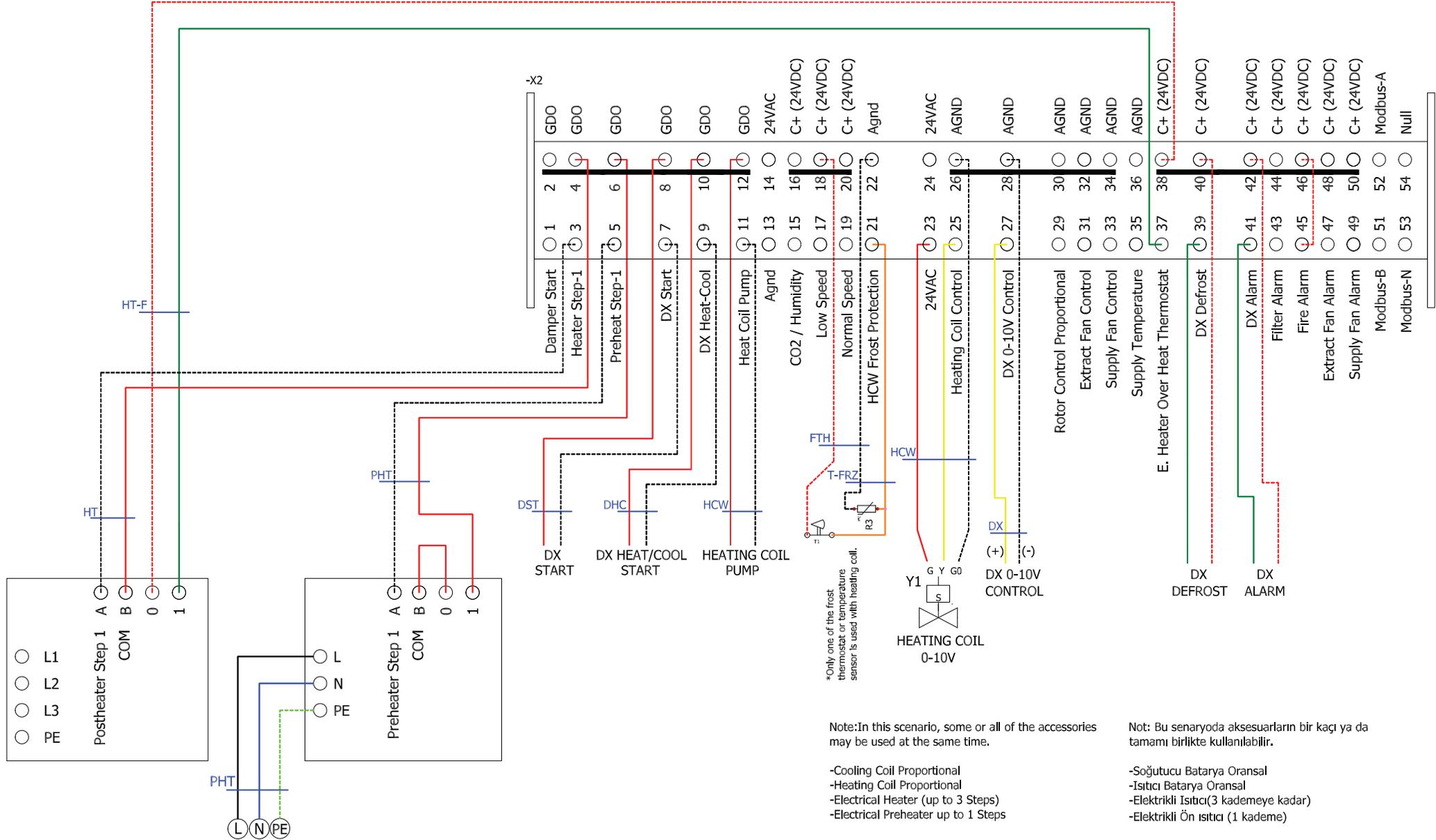
Not: Bu senaryoda aksesuarların bir kaçı ya da tamamı birlikte kullanılabilir.

- Cooling Coil Proportional
- Heating Coil Proportional
- Electrical Preheater up to 1 Steps

- Soğutucu Batarya Oransal
- Istııcı Batarya Oransal
- Elektrikli Ön ısıtıcı (1 kademe)

PART NUMBER	15	PAGE NO:	15
DEVICE NUMBER:	95201638	EXPLANATION :	
PART NAME :	Damper Actuator		
	NAME	DATE	SIGNATURE
DRAW :	Elif SAVAS	4.11.2025	
CHECKED :	Ali AYKOSE	4.11.2025	
APPROVED BY :			

HCW/DX/PHTR/HTR



Note:In this scenario, some or all of the accessories may be used at the same time.

Not: Bu senaryoda aksesuarların bir kaçını ya da tamamını birlikte kullanılabılır.

PART NUMBER	16	PAGE NO:	16
DEVICE NUMBER:	95201638	EXPLANATION :	
PART NAME :	CCW/HCW/PHTR		
	NAME	DATE	SIGNATURE
DRAW :	Elif SAVAŞ	4.11.2025	
CHECKED :	Ali AYKOSE	4.11.2025	
APPROVED BY :			