

Pano Adı/Panel Name	ENVU PRO
Pano Tipi/Panel Type	MCC/DDC
Frekans/Frequency	50Hz
Voltaj/Voltage	380VAC
Kontrol Voltaj/Contol Voltage	220VAC-24VAC
Çizim Tarihi/Drawing Date	11.10.2023

PART NUMBER	01	PAGE NO: 1	
DEVICE NUMBER:	95201618	EXPLANATION :	
PART NAME :	COVER		
	NAME	DATE	SIGNATURE
DRAW :	TUNAHAN OZYUREK	25.08.2025	
CHECKED :	Ali AYKOSE	25.08.2025	
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:	95201618	EXPLANATION :	
PART NAME :	E-Box Dizayn		
	NAME	DATE	SIGNATURE
DRAW :	TUNAHAN OZYUREK	25.08.2025	
CHECKED :	Ali AYKOSE	25.08.2025	
APPROVED BY :			

Cable Description

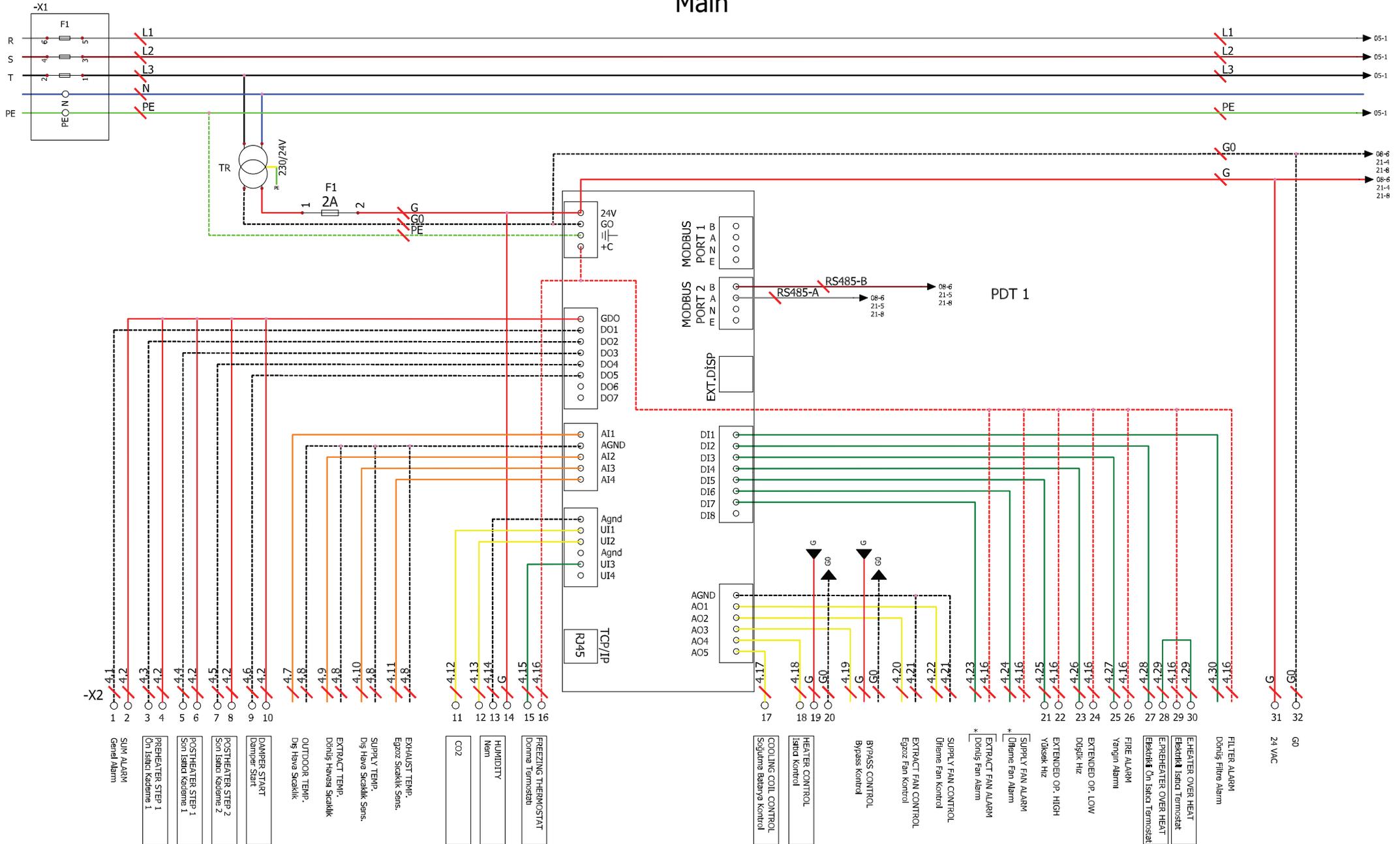
CABLE CODE

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:	95201618	EXPLANATION :	
PART NAME :	Cable Description		
	NAME	DATE	SIGNATURE
DRAW :	TUNAHAN OZYUREK	25.08.2025	
CHECKED :	Ali AYKOSE	25.08.2025	
APPROVED BY :			

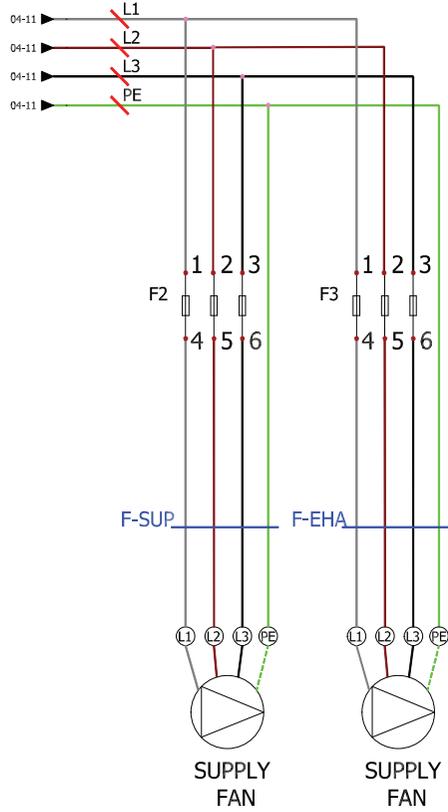
Main



PART NUMBER	04	PAGE NO: 4	
DEVICE NUMBER:	95201618	EXPLANATION :	
PART NAME :	Main		
	NAME	DATE	SIGNATURE
DRAW :	TUNAHAN OZYUREK	25.08.2025	
CHECKED :	Ali AYKOSE	25.08.2025	
APPROVED BY :			

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

Fan Connections



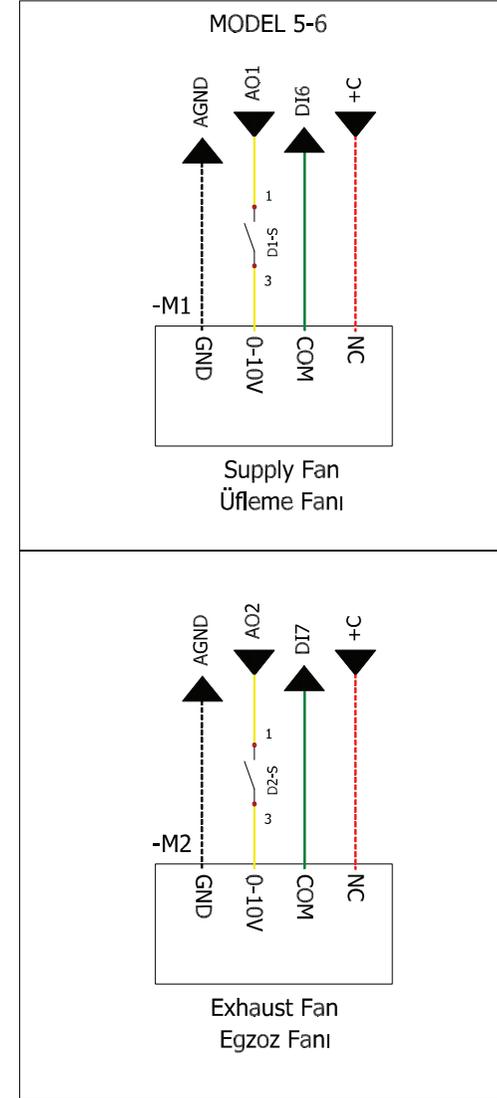
Note:

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.

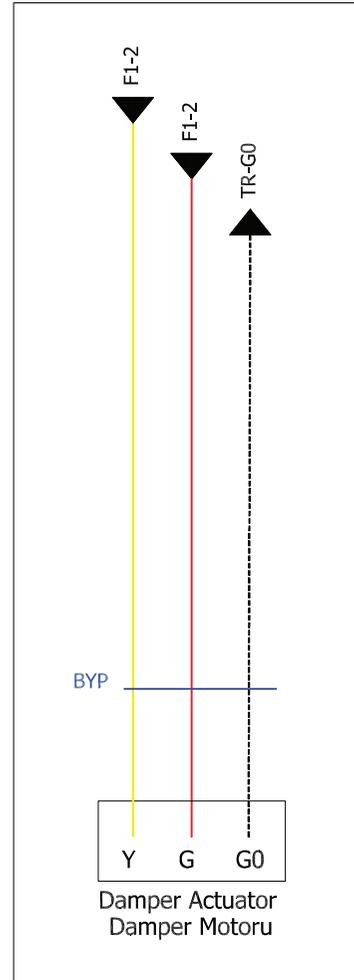
FAN CONNECTIONS FAN BAĞLANTILARI



PART NUMBER	05	PAGE NO: 5	
DEVICE NUMBER:	95201618	EXPLANATION :	
PART NAME :	Fan Connections		
	NAME	DATE	SIGNATURE
DRAW :	TUNAHAN OZYUREK	25.08.2025	
CHECKED :	Ali AYKOSE	25.08.2025	
APPROVED BY :			

Bypass Control

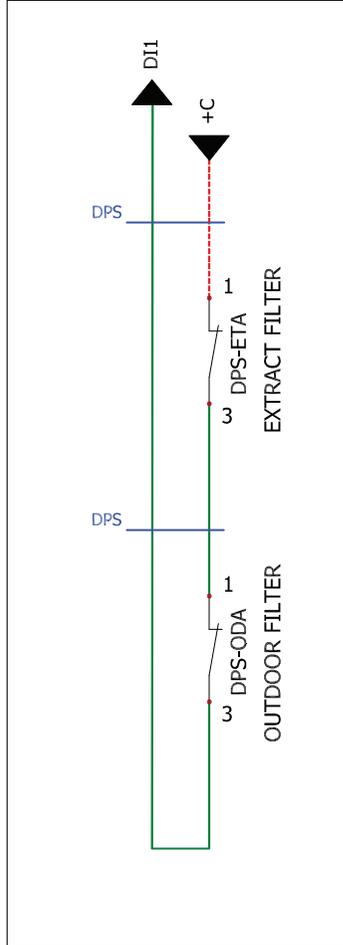
BYPASS 0-10V CONTROL
BYPASS ORANSAL KONTROL



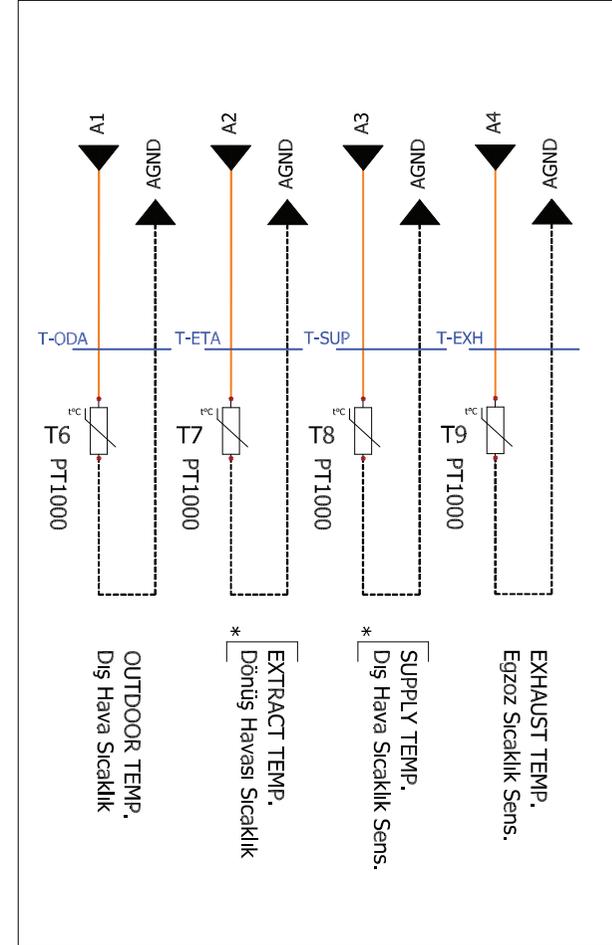
PART NUMBER	06	PAGE NO: 6	
DEVICE NUMBER:	95201618	EXPLANATION :	
PART NAME :	Bypass Control		
	NAME	DATE	SIGNATURE
DRAW :	TUNAHAN OZYUREK	25.08.2025	
CHECKED :	Ali AYKOSE	25.08.2025	
APPROVED BY :			

Sensors Connections

FILTER PROTECTION FİLTRE KORUMA



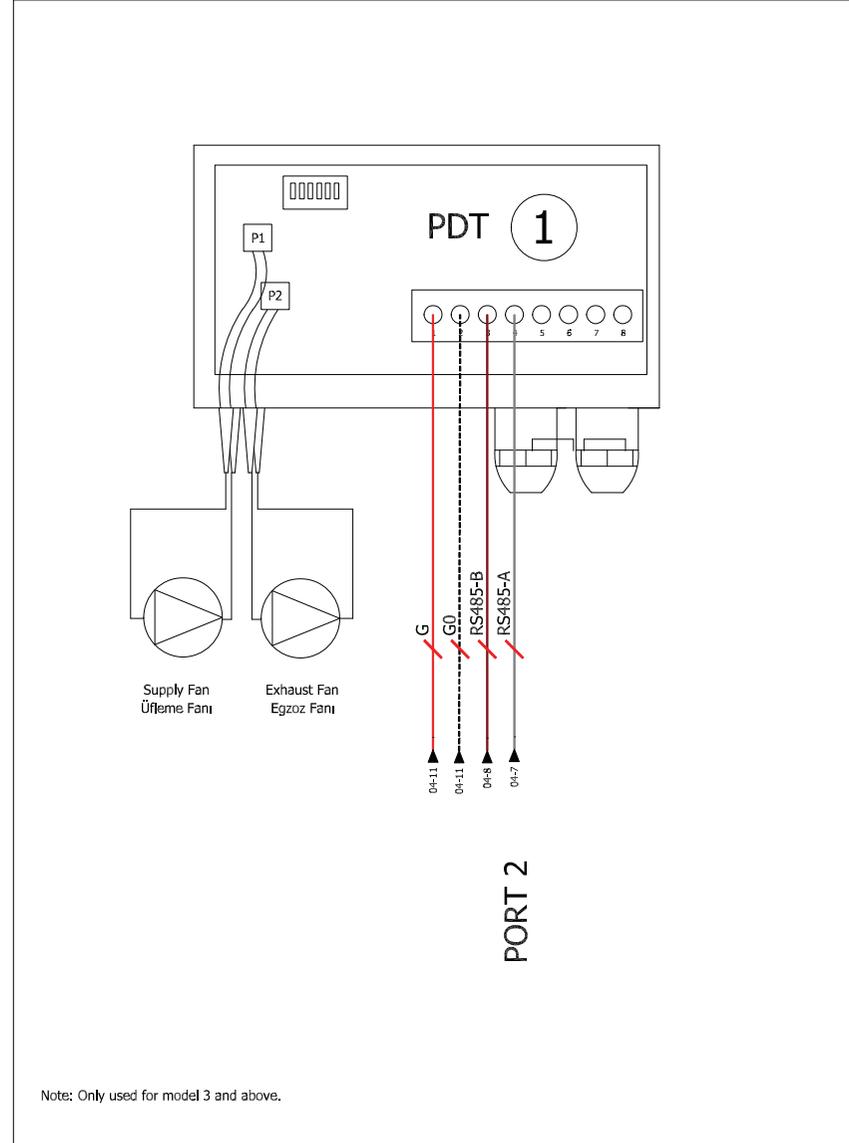
TEMPERATURE SENSORS SICAKLIK SENSÖRLERİ



PART NUMBER	07	PAGE NO: 7	
DEVICE NUMBER:	95201618	EXPLANATION :	
PART NAME :	Sensors Connections		
	NAME	DATE	SIGNATURE
DRAW :	TUNAHAN OZYUREK	25.08.2025	
CHECKED :	Ali AYKOSE	25.08.2025	
APPROVED BY :			

Air Flow Control Function

AIR FLOW CONTROL FUNCTION
DEBİ KONTROL FONKSİYONU



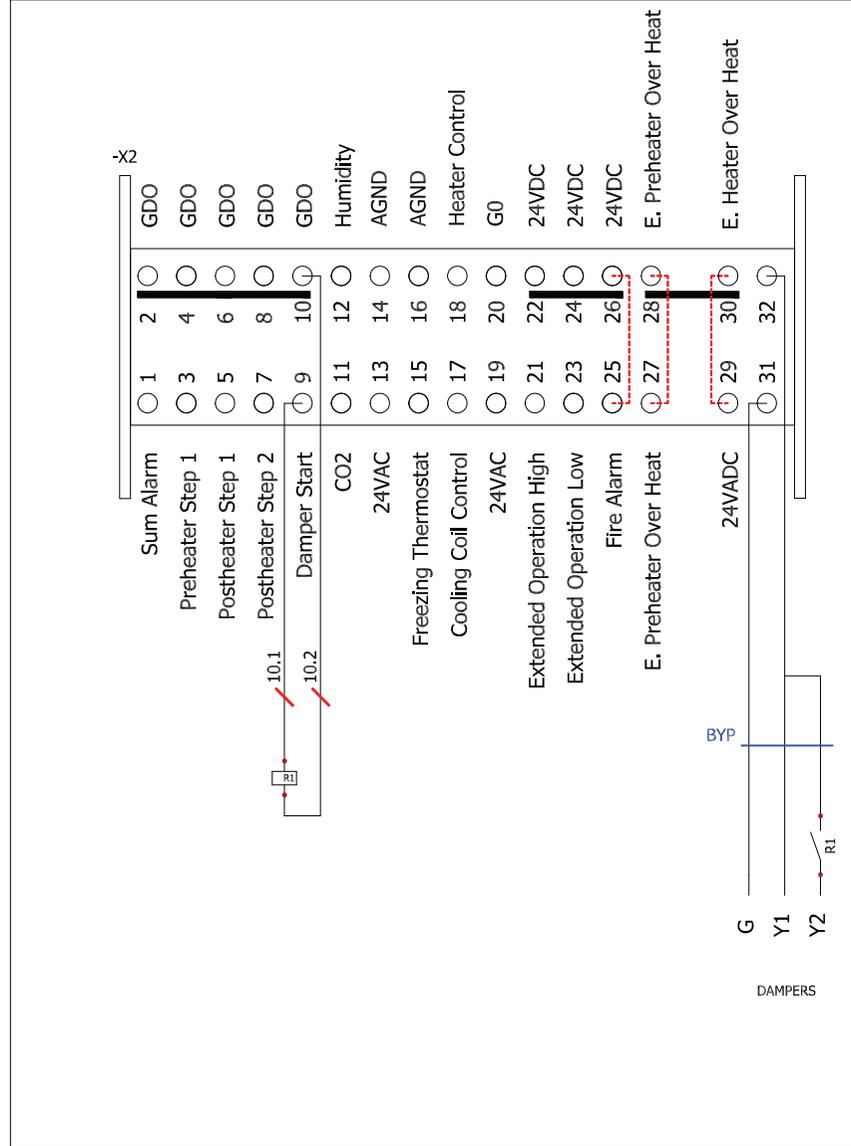
PART NUMBER	08	PAGE NO: 8	
DEVICE NUMBER:	95201618	EXPLANATION :	
PART NAME :	Air Flow Control Function		
	NAME	DATE	SIGNATURE
DRAW :	TUNAHAN OZYUREK	25.08.2025	
CHECKED :	Ali AYKOSE	25.08.2025	
APPROVED BY :			

ACCESSORIES AND OPTIONAL CONFIGURATIONS

PART NUMBER	09	PAGE NO: 9	
DEVICE NUMBER:	95201618	EXPLANATION :	
PART NAME :	Accessories and Configurations		
	NAME	DATE	SIGNATURE
DRAW :	TUNAHAN OZYUREK	25.08.2025	
CHECKED :	Ali AYKOSE	25.08.2025	
APPROVED BY :			

Damper Connections

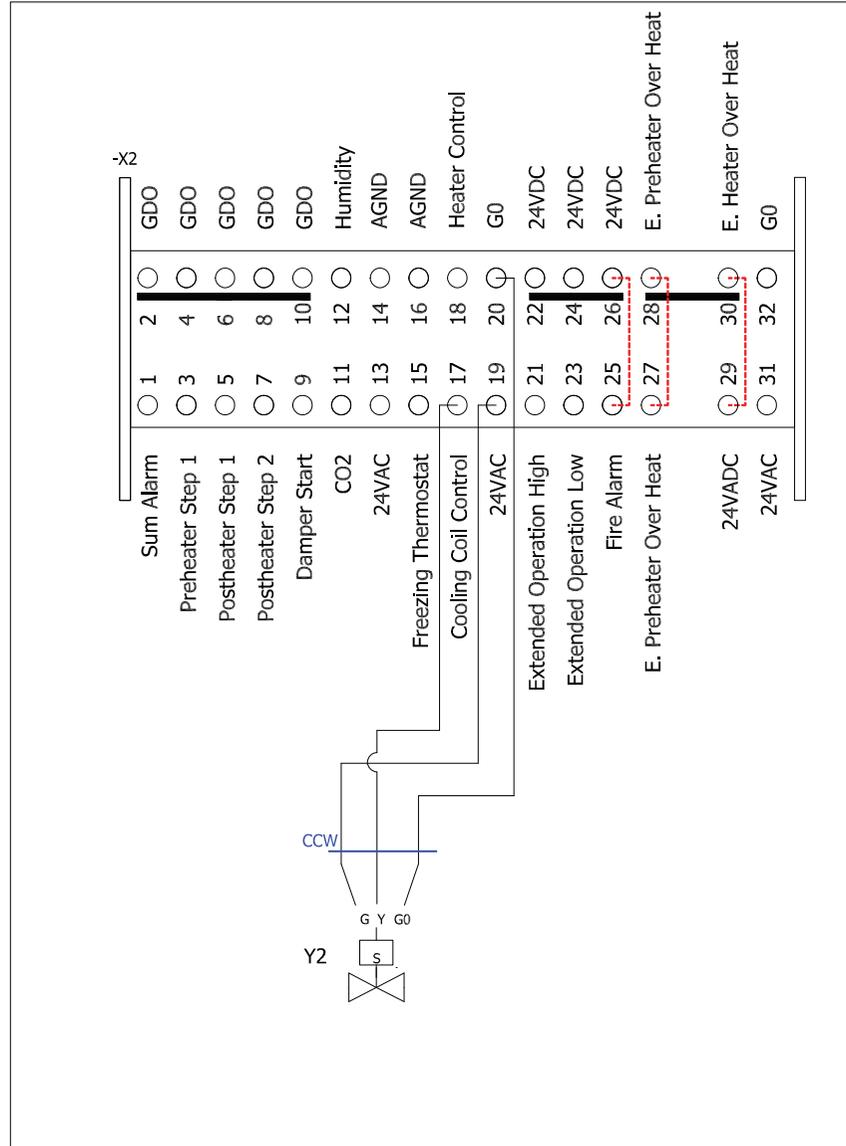
COOLING COIL
SOĞUTMA BATARYA



PART NUMBER	10	PAGE NO: 10	
DEVICE NUMBER:	95201618	EXPLANATION :	
PART NAME :	Damper Connections		
	NAME	DATE	SIGNATURE
DRAW :	TUNAHAN OZYUREK	25.08.2025	
CHECKED :	Ali AYKOSE	25.08.2025	
APPROVEND BY :			

Cooling Coil Connections

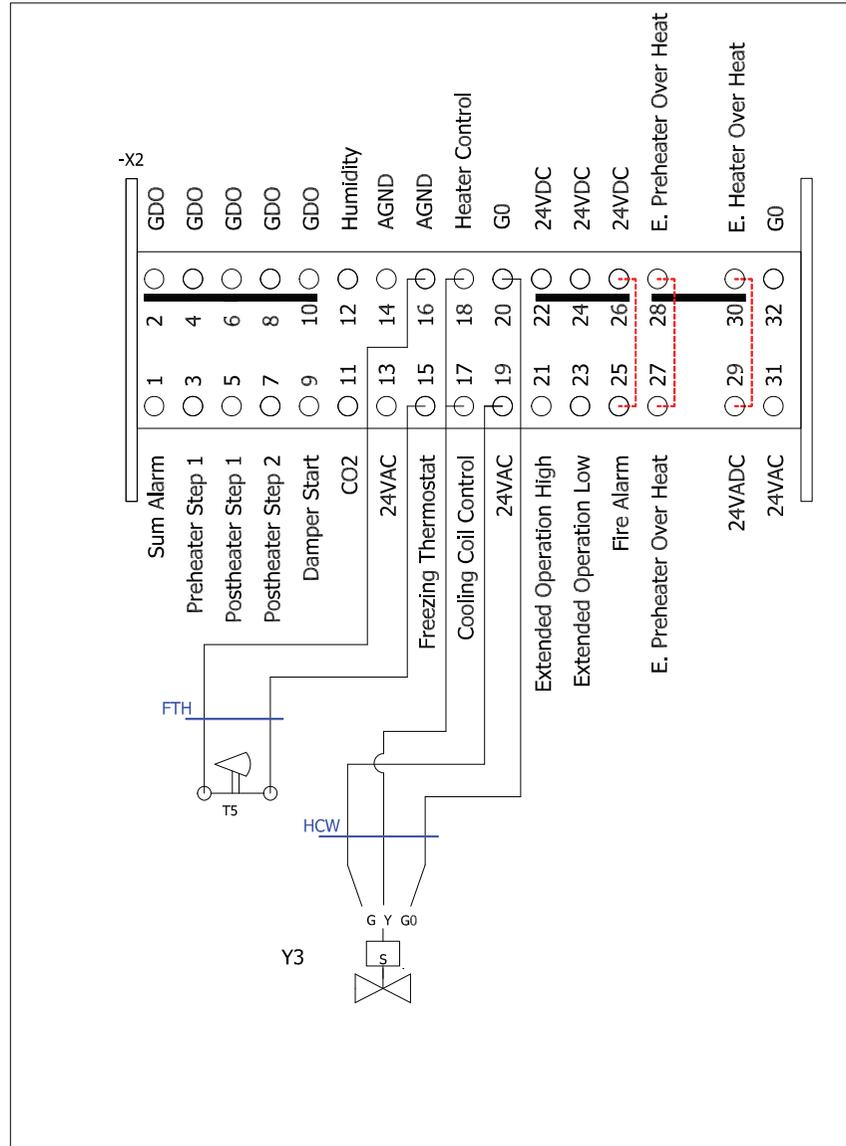
COOLING COIL
SOĞUTMA BATARYA



PART NUMBER	11	PAGE NO: 11	
DEVICE NUMBER:	95201618	EXPLANATION :	
PART NAME :	Cooling Coil Connections		
	NAME	DATE	SIGNATURE
DRAW :	TUNAHAN OZYUREK	25.08.2025	
CHECKED :	Ali AYKOSE	25.08.2025	
APPROVED BY :			

Heating Coil Connections

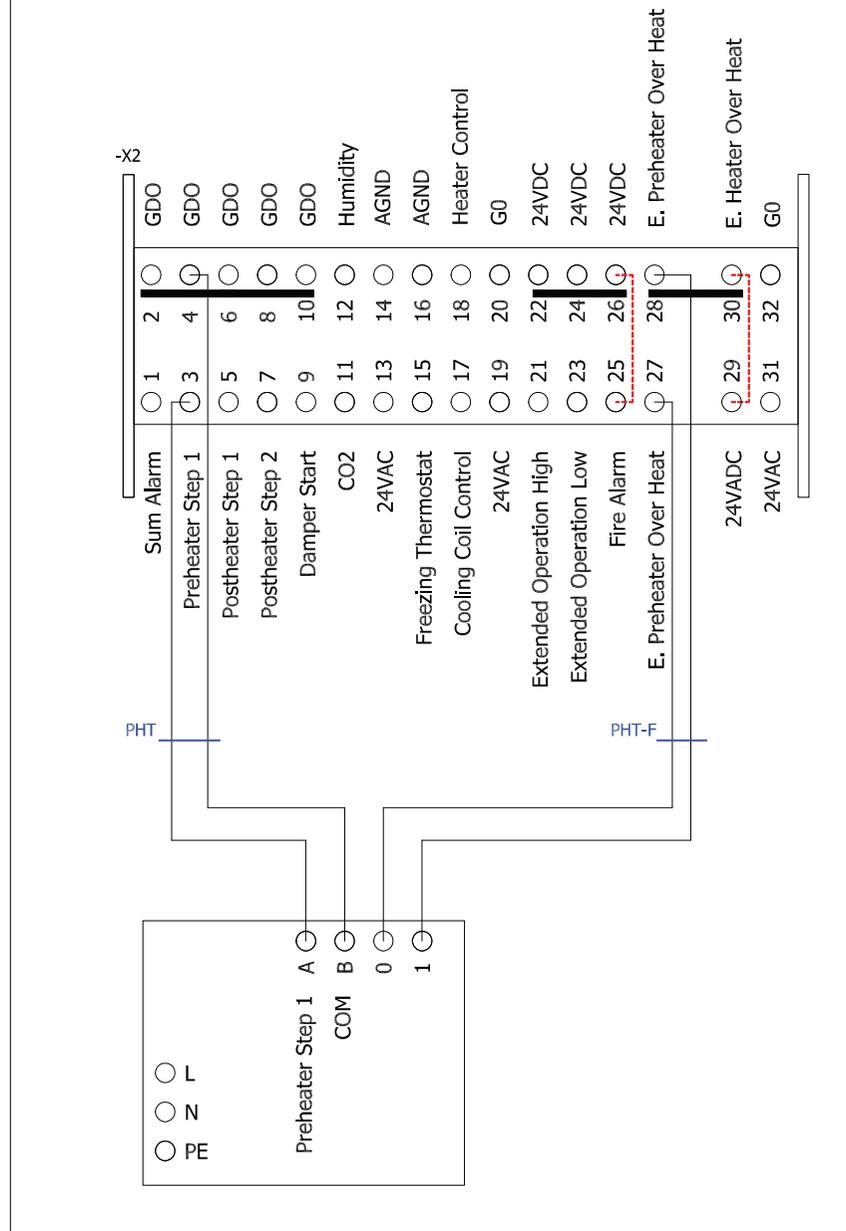
HEATING COIL
ISITMA BATARYA



PART NUMBER	12	PAGE NO: 12	
DEVICE NUMBER:	95201618	EXPLANATION :	
PART NAME :	Heating Coil Connections		
	NAME	DATE	SIGNATURE
DRAW :	TUNAHAN OZYUREK	25.08.2025	
CHECKED :	Ali AYKOSE	25.08.2025	
APPROVED BY :			

Electrical Preheater Step 1

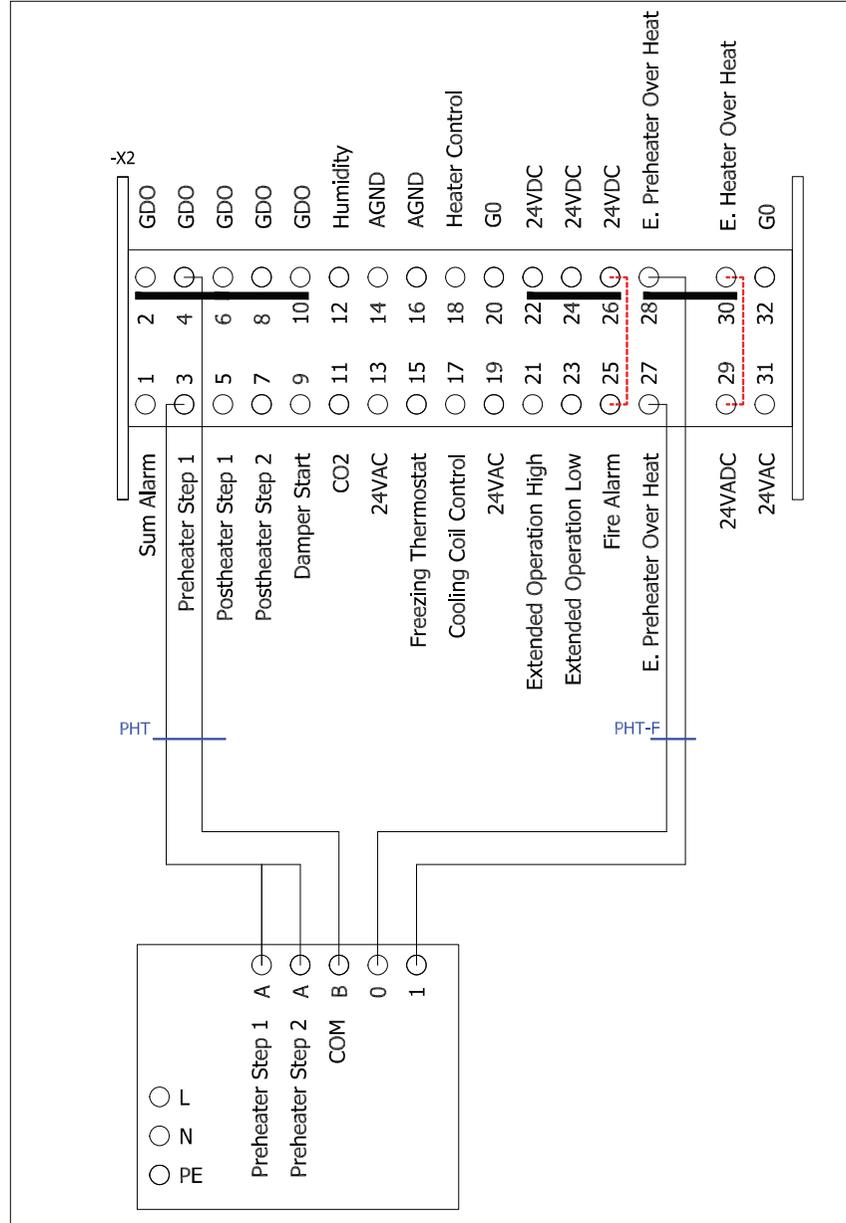
ELECTRICAL PREHEATER(1 STEP)
ELEKTRİKLİ ÖN ISITICI(1 KADEME)



PART NUMBER	13	PAGE NO: 13	
DEVICE NUMBER:	95201618	EXPLANATION :	
PART NAME :	Electrical Preheater Step 1		
	NAME	DATE	SIGNATURE
DRAW :	TUNAHAN OZYUREK	25.08.2025	
CHECKED :	Ali AYKOSE	25.08.2025	
APPROVED BY :			

Electrical Preheater Step 2

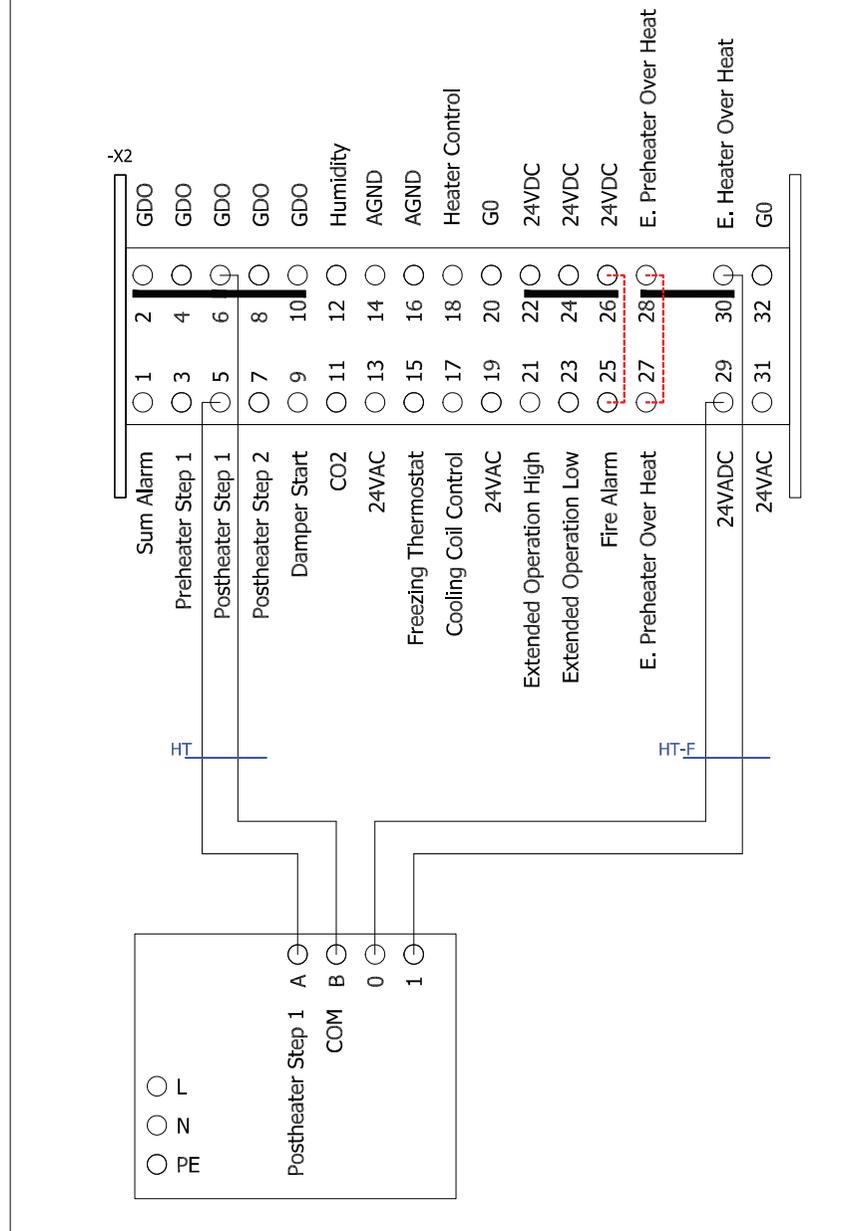
ELECTRICAL PREHEATER(2 STEP)
ELEKTRİKLİ ÖN ISITICI(2 KADEME)



PART NUMBER	14	PAGE NO: 14	
DEVICE NUMBER:	95201618	EXPLANATION :	
PART NAME :	Electrical Preheater Step 2		
	NAME	DATE	SIGNATURE
DRAW :	TUNAHAN OZYUREK	25.08.2025	
CHECKED :	Ali AYKOSE	25.08.2025	
APPROVED BY :			

Electrical Postheater On/Off Step 1

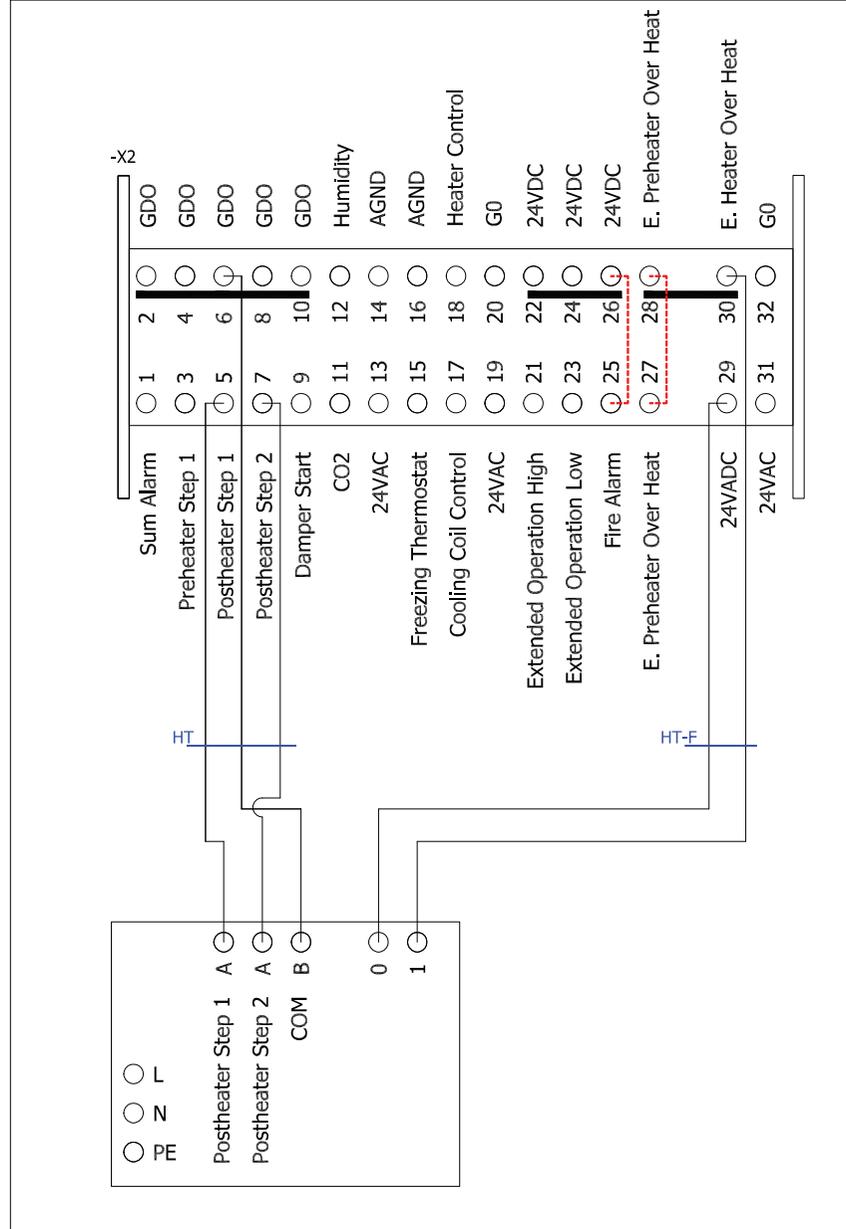
ELECTRICAL POSTHEATER(ON/OFF 1 STEP)
ELEKTRİKLİ SON İSİTİCİ(OFF/OFF 1 KADEME)



PART NUMBER	15	PAGE NO: 15	
DEVICE NUMBER:	95201618	EXPLANATION :	
PART NAME :	Electrical Postheater On/Off Step 1		
	NAME	DATE	SIGNATURE
DRAW :	TUNAHAN OZYUREK	25.08.2025	
CHECKED :	Ali AYKOSE	25.08.2025	
APPROVED BY :			

Electrical Postheater On/Off Step 2

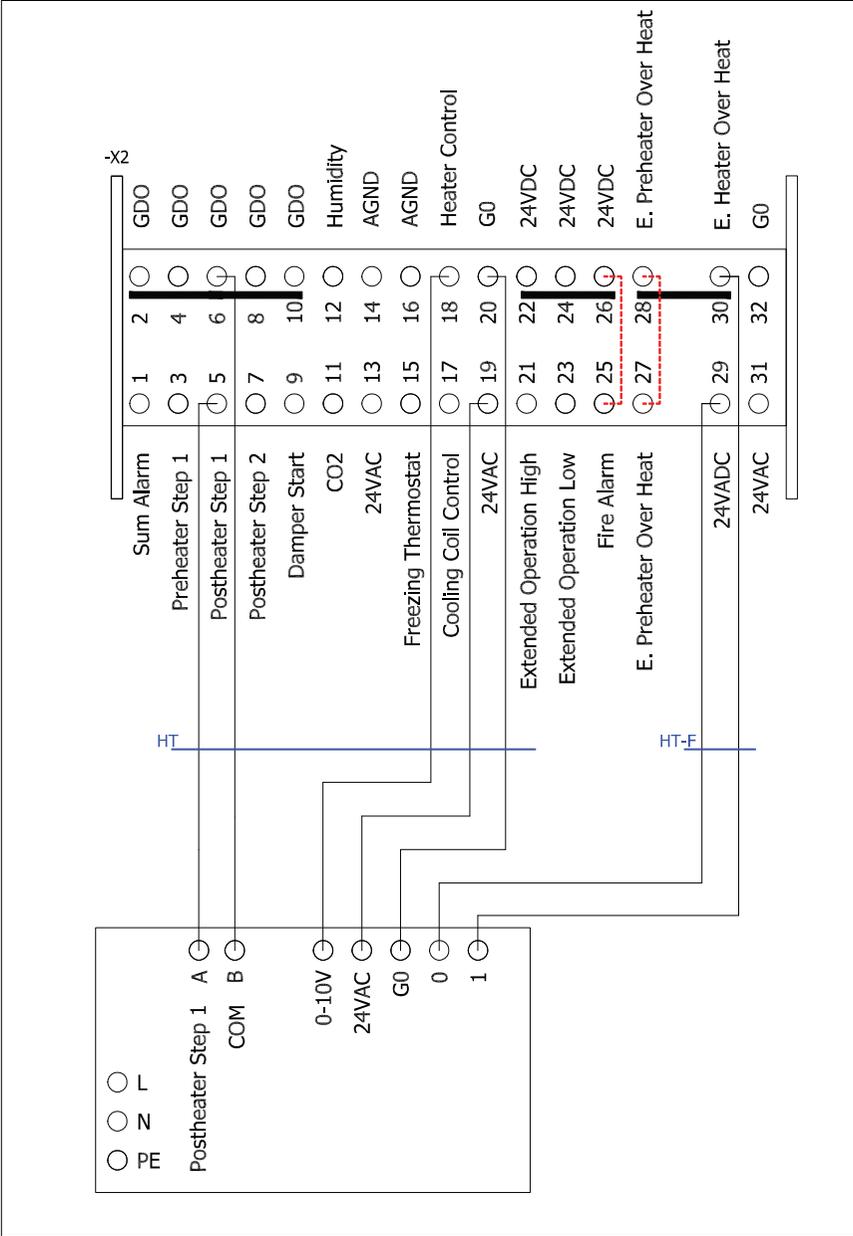
ELECTRICAL POSTHEATER(ON/OFF 2 STEP)
ELEKTRİKLİ SON ISITICI(ON/OFF 2 KADEME)



PART NUMBER	16	PAGE NO: 16	
DEVICE NUMBER:	95201618	EXPLANATION :	
PART NAME :	Electrical Postheater On/Off Step 2		
	NAME	DATE	SIGNATURE
DRAW :	TUNAHAN OZYUREK	25.08.2025	
CHECKED :	Ali AYKOSE	25.08.2025	
APPROVED BY :			

Electrical Postheater Proportional Step 1

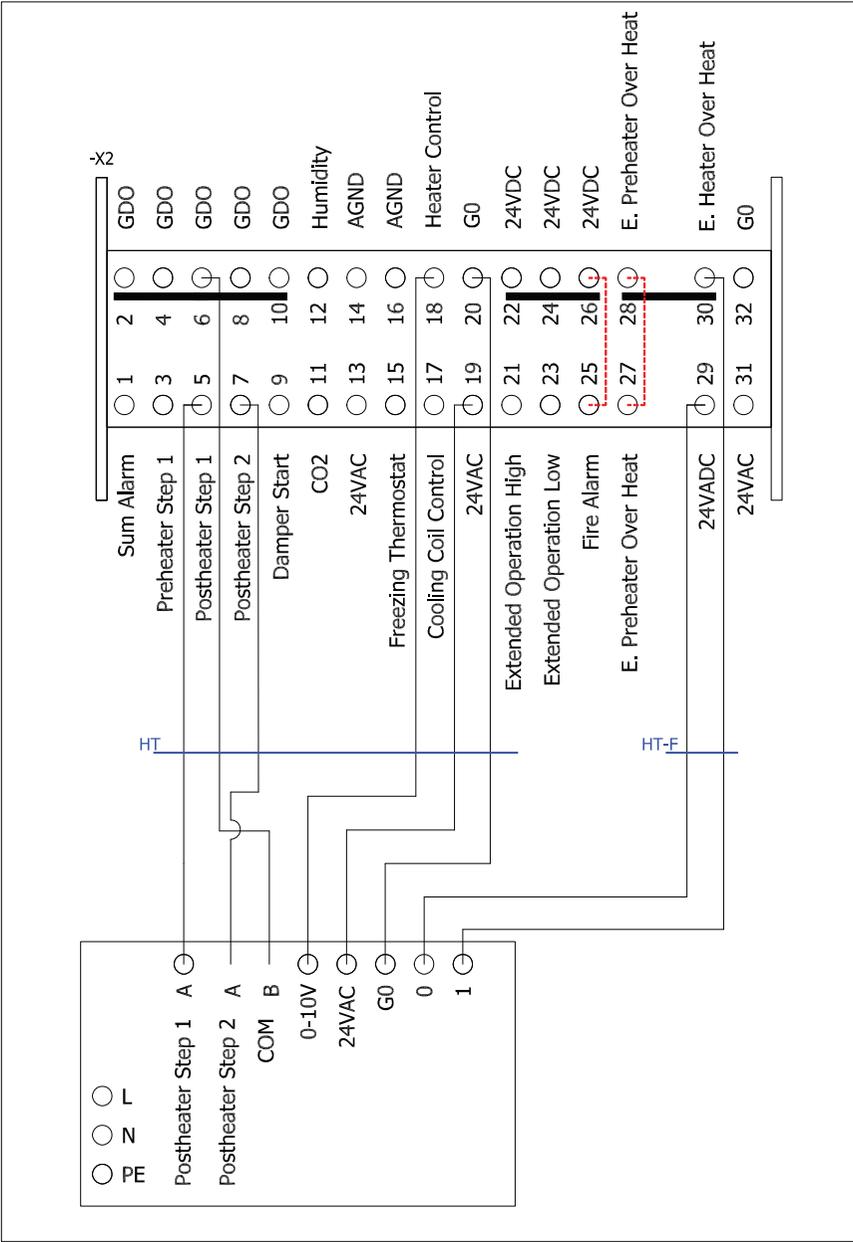
ELECTRICAL POSTHEATER(PROPORTIONAL 1 STEP)
ELEKTRİKLİ SON İSTİTİCİ(ORANSAL 1 KADEME)



PART NUMBER	17	PAGE NO: 17	
DEVICE NUMBER:	95201618	EXPLANATION :	
PART NAME :	Electrical Postheater Proportional Step 1		
	NAME	DATE	SIGNATURE
DRAW :	TUNAHAN OZYUREK	25.08.2025	
CHECKED :	Ali AYKOSE	25.08.2025	
APPROVED BY :			

Electrical Postheater Proportional Step 1

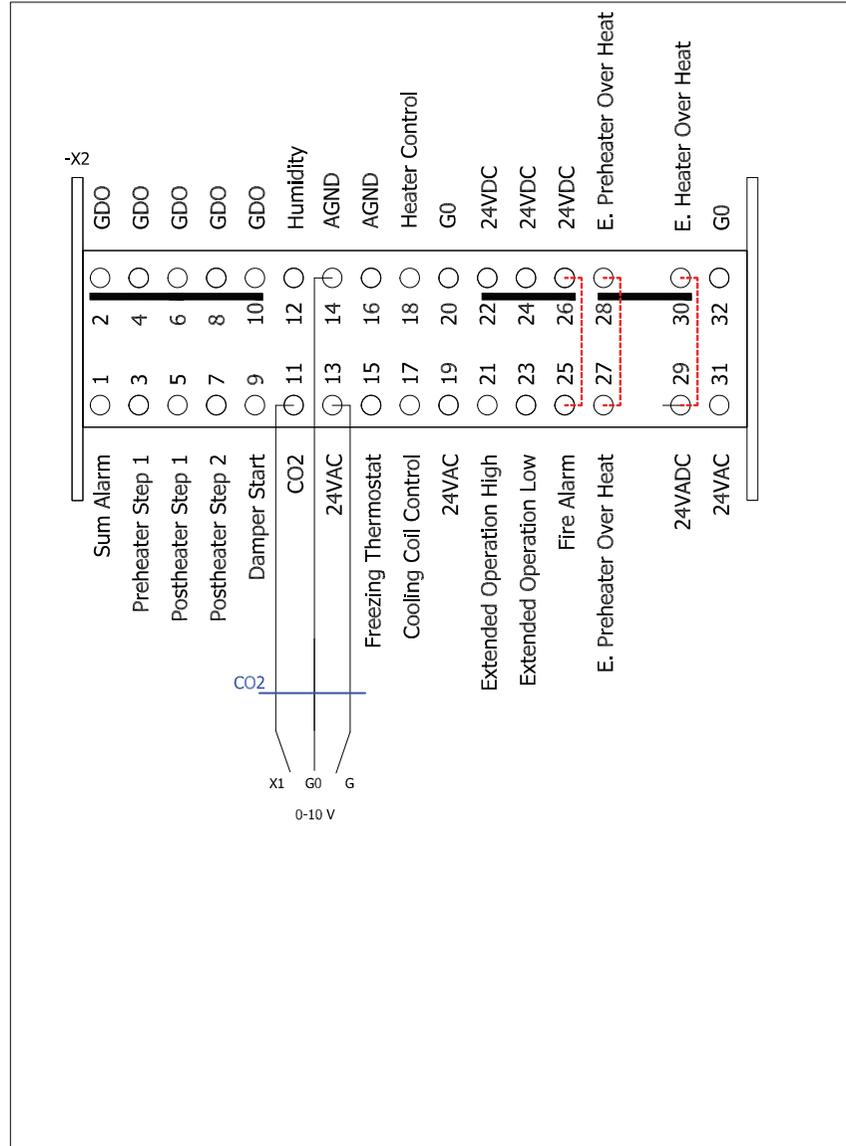
ELECTRICAL POSTHEATER(PROPORTIONAL 2 STEP)
ELEKTRİKLİ SON İSTİTİCİ(ORANSAL 2 KADEME)



PART NUMBER	18	PAGE NO: 18	
DEVICE NUMBER:	95201618	EXPLANATION :	
PART NAME :	Electrical Postheater Proportional Step 2		
	NAME	DATE	SIGNATURE
DRAW :	TUNAHAN OZYUREK	25.08.2025	
CHECKED :	Ali AYKOSE	25.08.2025	
APPROVED BY :			

CO2 Control

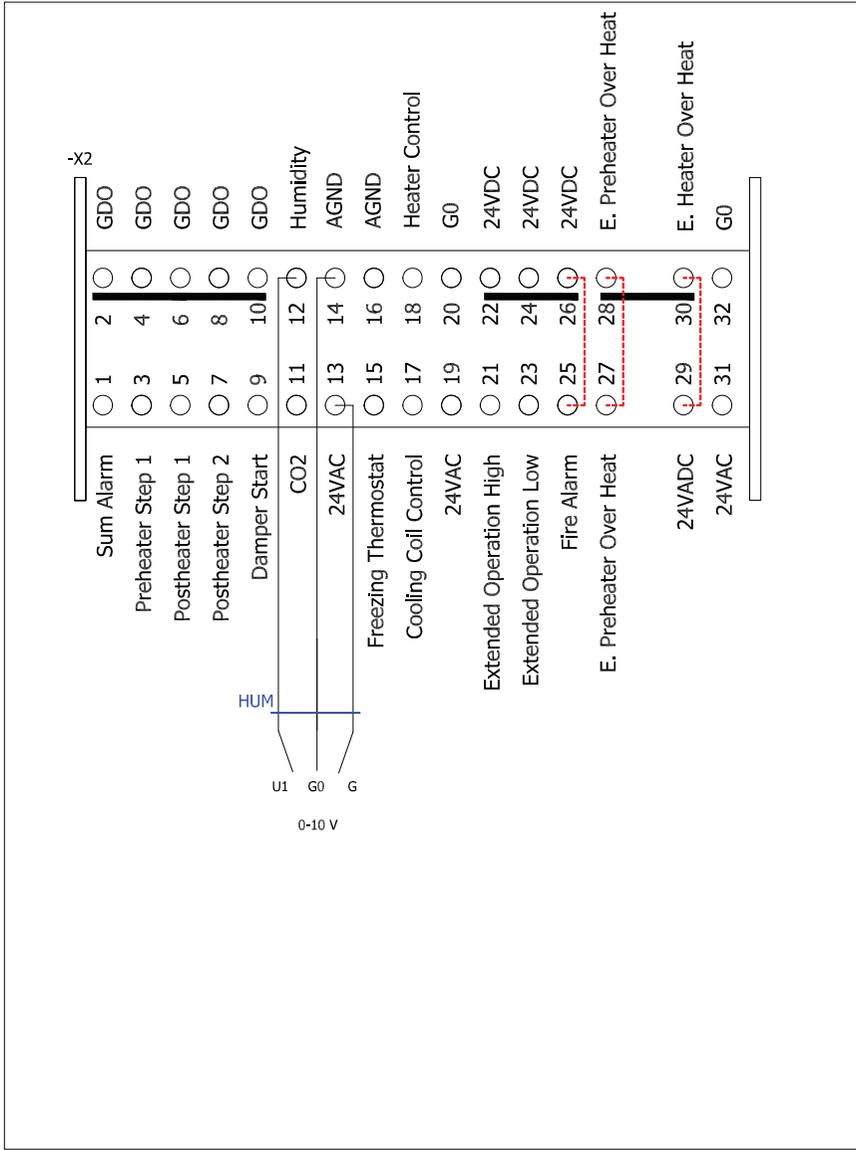
CO2 CONTROL
CO2 KONTROL



PART NUMBER	19	PAGE NO: 19	
DEVICE NUMBER:	95201618	EXPLANATION :	
PART NAME :	CO2 Control		
	NAME	DATE	SIGNATURE
DRAW :	TUNAHAN OZYUREK	25.08.2025	
CHECKED :	Ali AYKOSE	25.08.2025	
APPROVED BY :			

Humidity Control

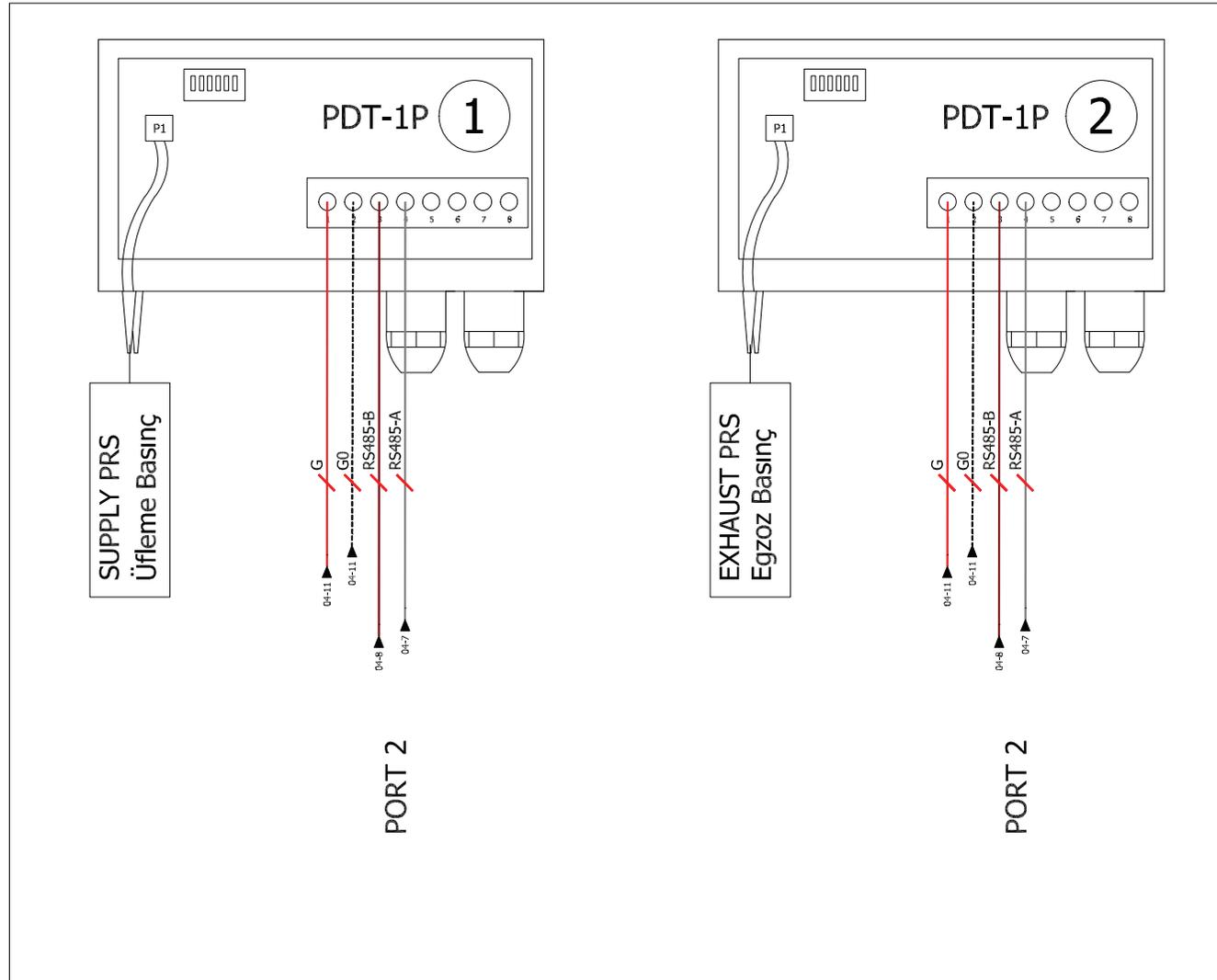
HUMIDITY CONTROL
NEM KONTROL



PART NUMBER	20	PAGE NO: 20	
DEVICE NUMBER:	95201618	EXPLANATION :	
PART NAME :	Humidity Control		
	NAME	DATE	SIGNATURE
DRAW :	TUNAHAN OZYUREK	25.08.2025	
CHECKED :	Ali AYKOSE	25.08.2025	
APPROVED BY :			

Constant Pressure Function

CONSTANT PRESSURE FUNCTION
SABİT BASINÇ FONKSİYONU



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.

PART NUMBER	21	PAGE NO: 21	
DEVICE NUMBER:	95201618	EXPLANATION :	
PART NAME :	Constant Pressure Function		
	NAME	DATE	SIGNATURE
DRAW :	TUNAHAN OZYUREK	25.08.2025	
CHECKED :	Ali AYKOSE	25.08.2025	
APPROVED BY :			