

WIRING DIAGRAMS FOR GLOBAL / ESENSA AIR HANDLING UNITS

 This wiring diagram is only an addition to our installation and operation manuals, available on our website for download.

 All internal components (fans, controls, sensors, actuators...) to the control board are pre-wired.
The power supply must be connected to the safety isolating switch by a qualified electrician. Earthing is obligatory.

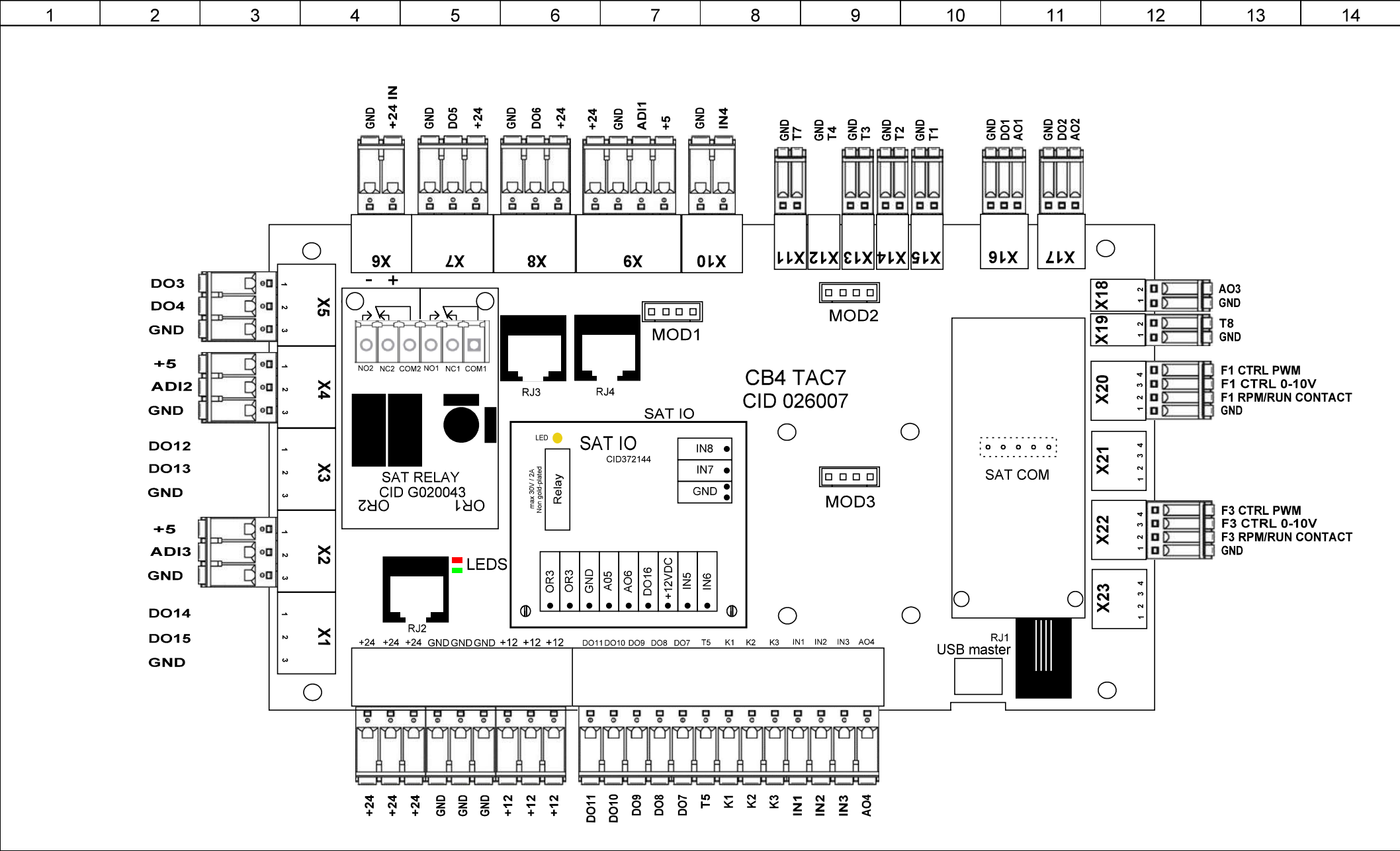
 All electrical connections must be made by a qualified electrician and in accordance with local rules and regulations.

 Residual current circuit breaker 300mA type B

 Fuse protection (D-type, “slow”) D – 10.000 A – AC3

 Electronic boards contains ESD sensitive components.
Use antistatic bracket connected to protective earth in case it is necessary to manipulate them.
In alternative, loose charges by touching the unit and handle boards at corners only.

Changes			Name	Date		Page
Name	Date	Draw.:	msg	17/10/2024		1
		check.:				
		Norm:				
Subject:		GLOBAL_ESENSA_Wiring TAC7.spl7			Application: General	of 66



Changes			Name	Date	TAC7	Page
Name	Date	Draw.:	msg	17/10/2024		2
		check.:				
		Norm:				
Subject:	GLOBAL_ESENSA_Wiring TAC7.sp17				Application: Controller	of 66

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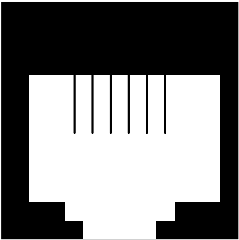
14

AO1 - BA+ = output 0-10V for external waterborne reheater (option)
DO1 - KWout = output PWM for electric reheater power regulation (option - prewired)
DO2 - KWIn- PX = output PWM for electric preheater power regulation (option - prewired)
| RX SPEED PWM - RX (prewired)
AO2 - RX SPEED 0-10V - RX (option)
AO3 - BA- = output 0-10V for external waterborne recoolor or reversible Heat/Cool (o
AO4 - NV = output 0-10V for internal hydraulic postheater (option - prewired)
DO3 - BYPASS OPEN- PX (with rotary actuator) (prewired)
DO4 - BYPASS CLOSE - PX (with rotary actuator) (prewired)
DO5 - DAMPER 1 (with or without spring return, I_{max} = 0,5 A DC) (option - prewired)
DO6 - DAMPER 2 (with or without spring return, I_{max} = 0,5 A DC) (option - prewired)
DO7 - HEAT CONTACT (open collector; V_{max}=24 VDC; I_{max}=0,1 A)
DO8 - COOL CONTACT (open collector; V_{max}=24 VDC; I_{max}=0,1 A)
DO9 - ALARM CONTACT (open collector; V_{max}=24 VDC; I_{max}=0,1 A)
DO10 - AL dPACONTACT (open collector; V_{max}=24 VDC; I_{max}=0,1 A)
DO11 - FAN ON CONTACT (open collector; V_{max}=24 VDC; I_{max}=0,1 A)
ADI1 - BYPASS POS - PX | RX SPEED FEEDBACK - RX (prewired)
ADI2 - FAN 1 dPa
ADI3 - FAN 3 dPa
T1 - outdoor air T° sensor (prewired)
T2 - extract air T° sensor (prewired)
T3 - exhaust T° sensor - PX (prewired)
T4 - BAin T° sensor
T5 - supply air T° (option)
T7 - BA+ frost protection T° sensor (option -prewired for internal battery)
T8 - BA- frost protection T° sensor (option)

IN1 + 12/24V - FIRE ALARM
IN2 + 12/24V - BOOST
IN3 + 12/24V - BYPASS ACTIVATION OVERRIDE
IN4 + GND - Drain pan full contact (for LP)

K1+ 12/24V - CA MODE: External speed 1 (N.O.)
LS / CP MODE: External start (N.O.)
K2+ 12/24V - CA MODE: External speed 2 (N.O.)
LS / CP MODE: 0-10V (Max. impedance: 1.500 Ohms)
K3+ 12/24V - CA MODE: External speed 3 (N.O.)
LS / CP MODE: 0-10V (Max. impedance: 1.500 Ohms)

NOT USED
GND
B-
A+
+24V DC
NOT USED
1 2 3 4 5 6



RJ12 PINOUT

F1 - FAN 1 (SUPPLY)
F2 - FAN 2 (additional fan for supply flow)
F3 - FAN 3 (EXHAUST)
F4 - FAN 4 (additional fan for exhaust flow)

RJ1: RJ12 connector for TACtouch (option)
RJ2: RJ12 connector for Modbus Pressure CP mode (option)
Modbus Air quality sensors for demand control mode (option)
Modbus Air quality sensors for BOOST in all modes (option)
RJ3: RJ12 connector for ESENSA or GLOBAL LP: free
for GLOBAL PX/RX: Modbus Pressure sensors kit CA (prewired)
and/or filters monitoring (option - prewired), on supply flow
RJ4: RJ12 connector for Modbus Pressure sensors kit CA (prewired)
and/or defrost detecting (option - prewired)
and/or filters monitoring (option - prewired)
NB: for GLOBAL PX/RX: sensor used for extract flow only

SAT IO OR3-OR3:BYPASS STATUS - (option)
SAT IO AO5: 0-10V OUTPUT (airflow / pressure) - (option)
SAT IO AO6: 0-10V OUTPUT (airflow / pressure) - (option)
SAT IO IN5: MASTER SELECTION - (option)
SAT IO IN6: HEAT OFF - (option)
SAT IO IN7: SUPPLY RUN IN FIRE ALARM (open) | dPa ALARM INPUT - (option)
SAT IO IN8: EXHAUST RUN IN FIRE ALARM (open) - (option)

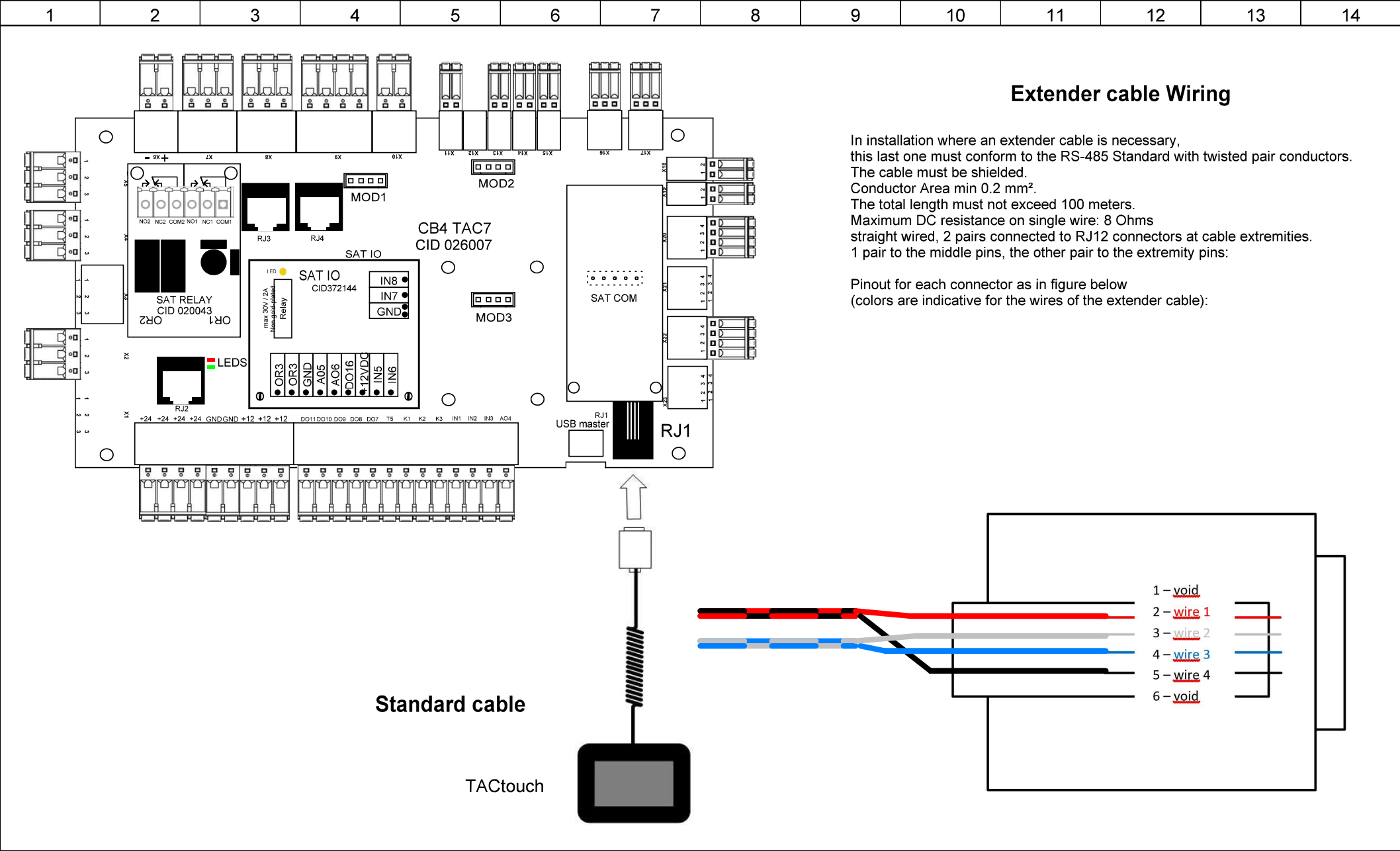
SAT COM - SAT MODBUS or SAT KNX or SAT ETHERNET or SAT WIFI - (option)

SAT RELAY: MANDATORY FOR GLOBAL LP, THEN PREMOUNTED AND PREWIRED.
For other models, output can be mapped thanks to dedicated function "IO mapping" on TACtouch
SAT RELAY OR1 - FOR GLOBAL LP LINEAR ACTUATOR FOR BYPASS - FORWARD (closed) (prewired)
For other models, NC/NO contact MAX 30VDC, 0,45A
SAT RELAY OR2 - FOR GLOBAL LPLINEAR ACTUATOR FOR BYPASS - BACKWARD (closed) (prewired)
For other models, NC/NO contact MAX 30VDC, 0,45A

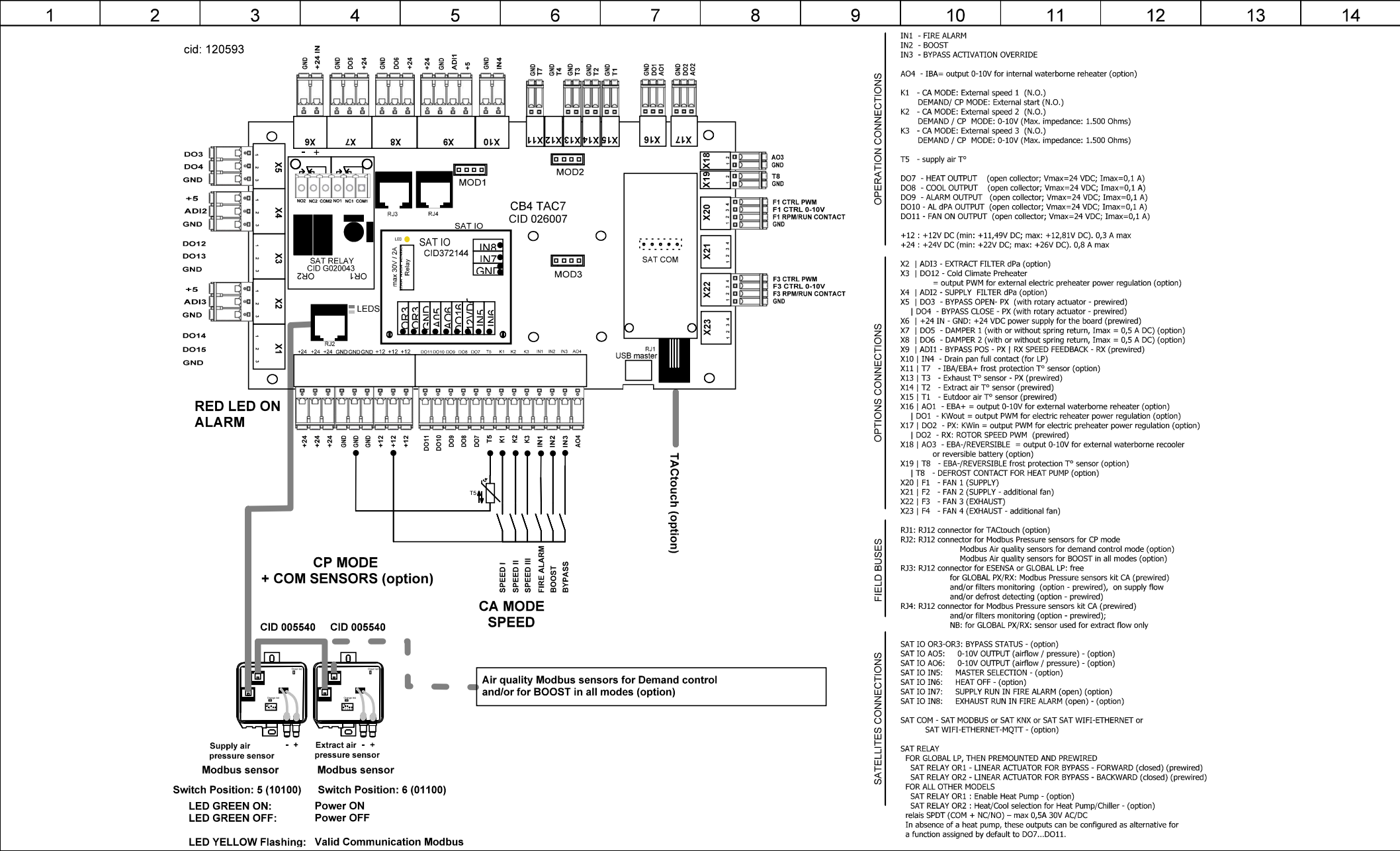
GREEN LED ON: POWERED ON
RED LED ON: ALARM

+24 : +24V DC (min: +22V DC; max: +26V DC). 0,8 A max
+12 : +12V DC (min: +11,49V DC; max: +12,81V DC). 0,3 A max

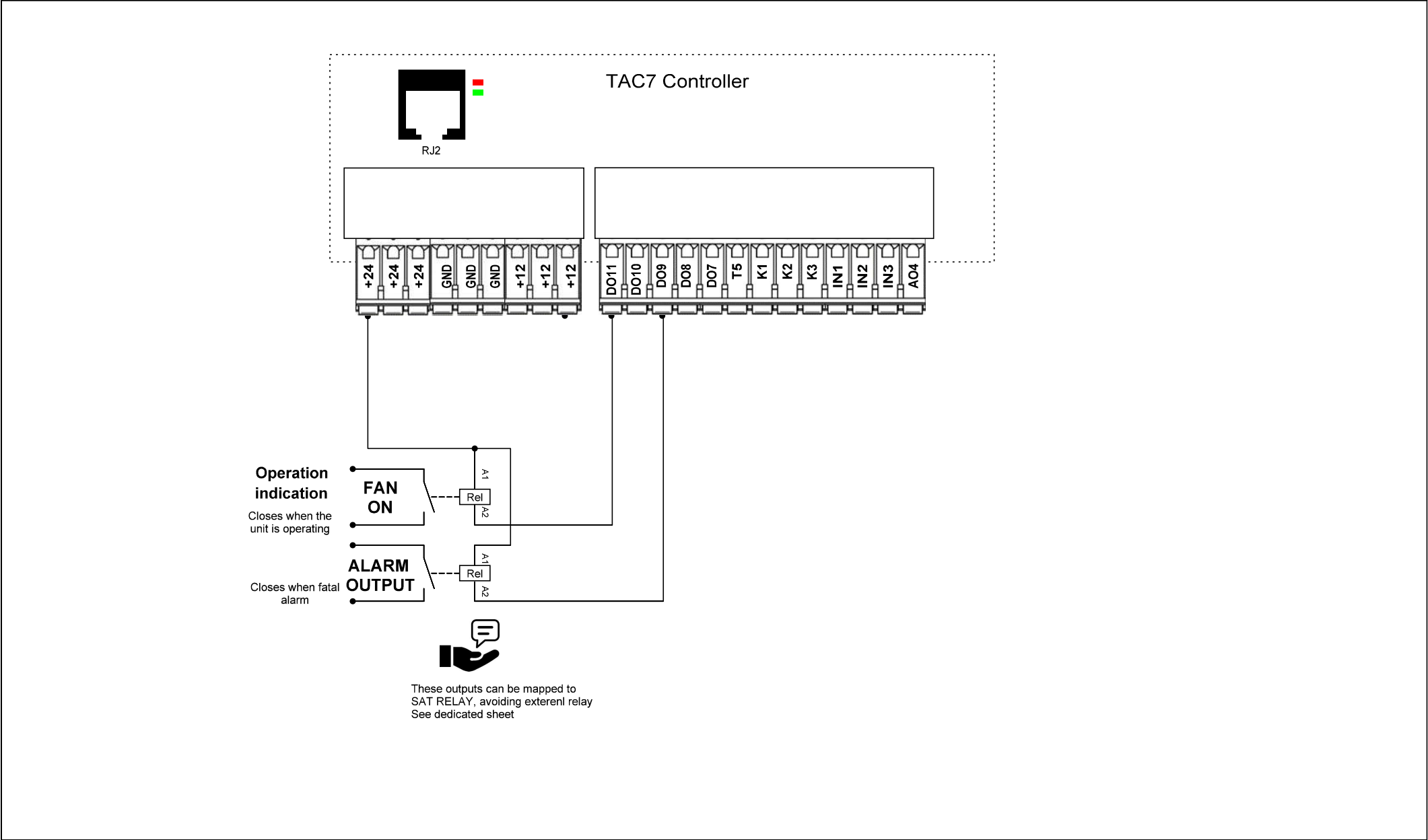
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Name	Date	Draw.:	msg	17/10/2024	
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		Norm:			of 66
Subject:	GLOBAL_ESENSA_Wiring TAC7.spl7			Application: IO TAC7	



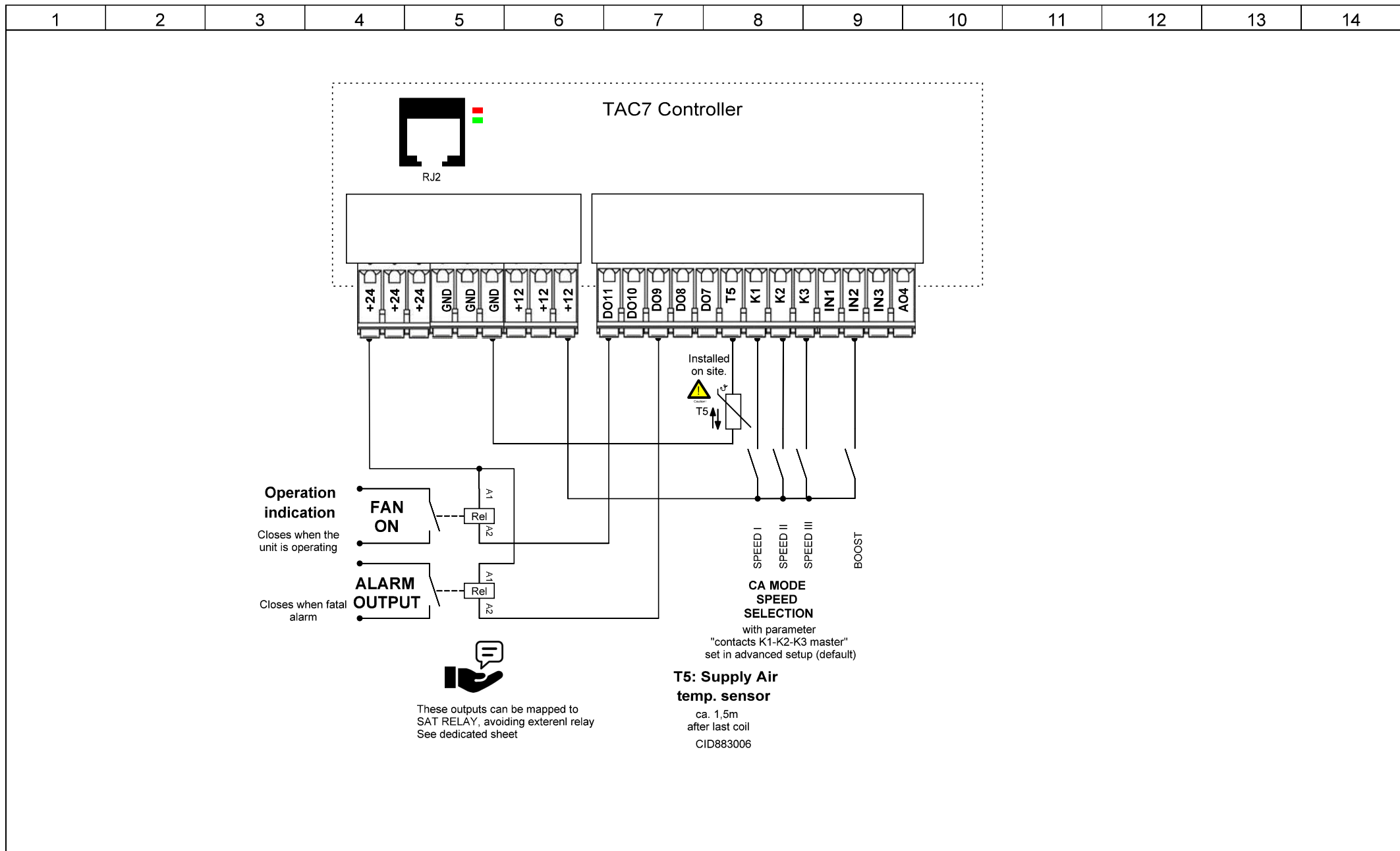
Changes			Name	Date		Page
Name	Date	Draw.:	msg	17/10/2024		4
		check.:				
		Norm:			Application: TACtouch	of
Subject:	GLOBAL_ESENSA_Wiring TAC7.spl7			66		



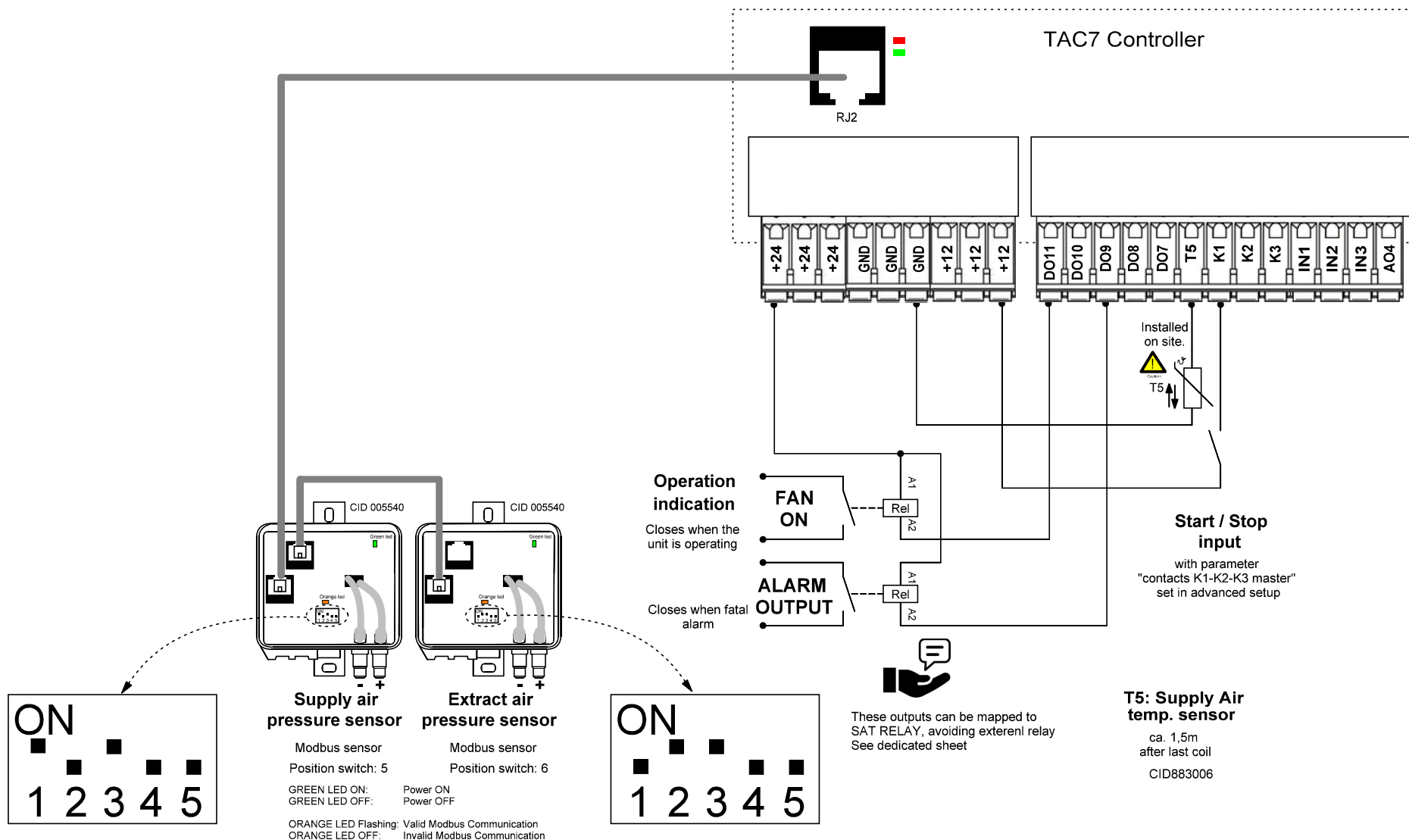
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		Norm.:			of 66
Subject:	GLOBAL_ESENSA_Wiring TAC7.spl7			Application: Product Label	



Changes			Name	Date	Configuration of function: Function Alarms	Page
Name	Date	Draw.:	msg	27/11/2024		6
		check.:			Application: ALARM OUTPUT	of
		Norm:				66
Subject:	GLOBAL_ESENSA_Wiring TAC7.spl7					

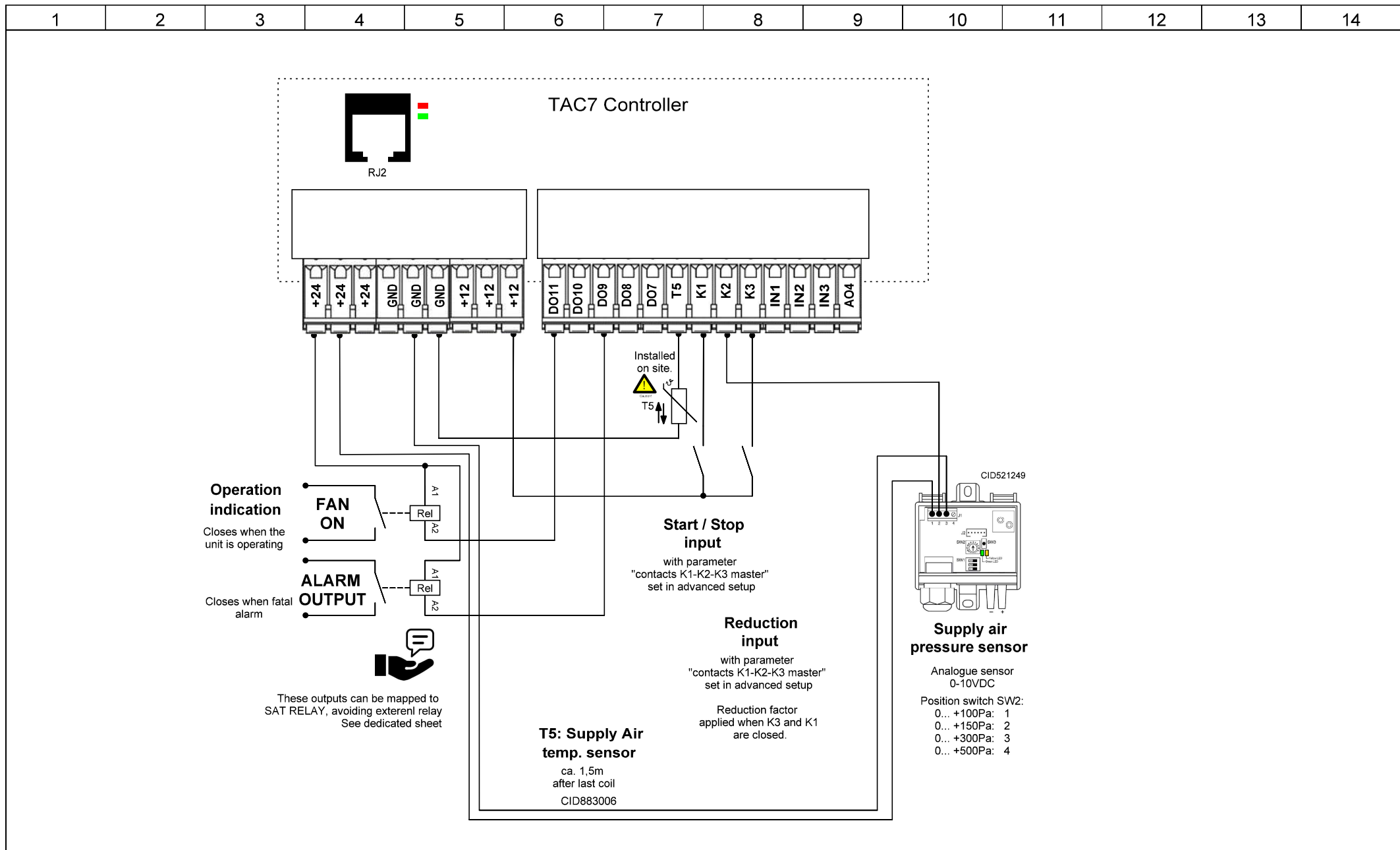


Changes			Name	Date	Configuration of function: Function Regulation mode/ Constant Airflow	Page
Name	Date	Draw.:	ola	27/09/2024		7
		check.:			Application: Constant airflow	of 66
		Norm:				
Subject:		GLOBAL_ESENSA_Wiring TAC7.spl7				

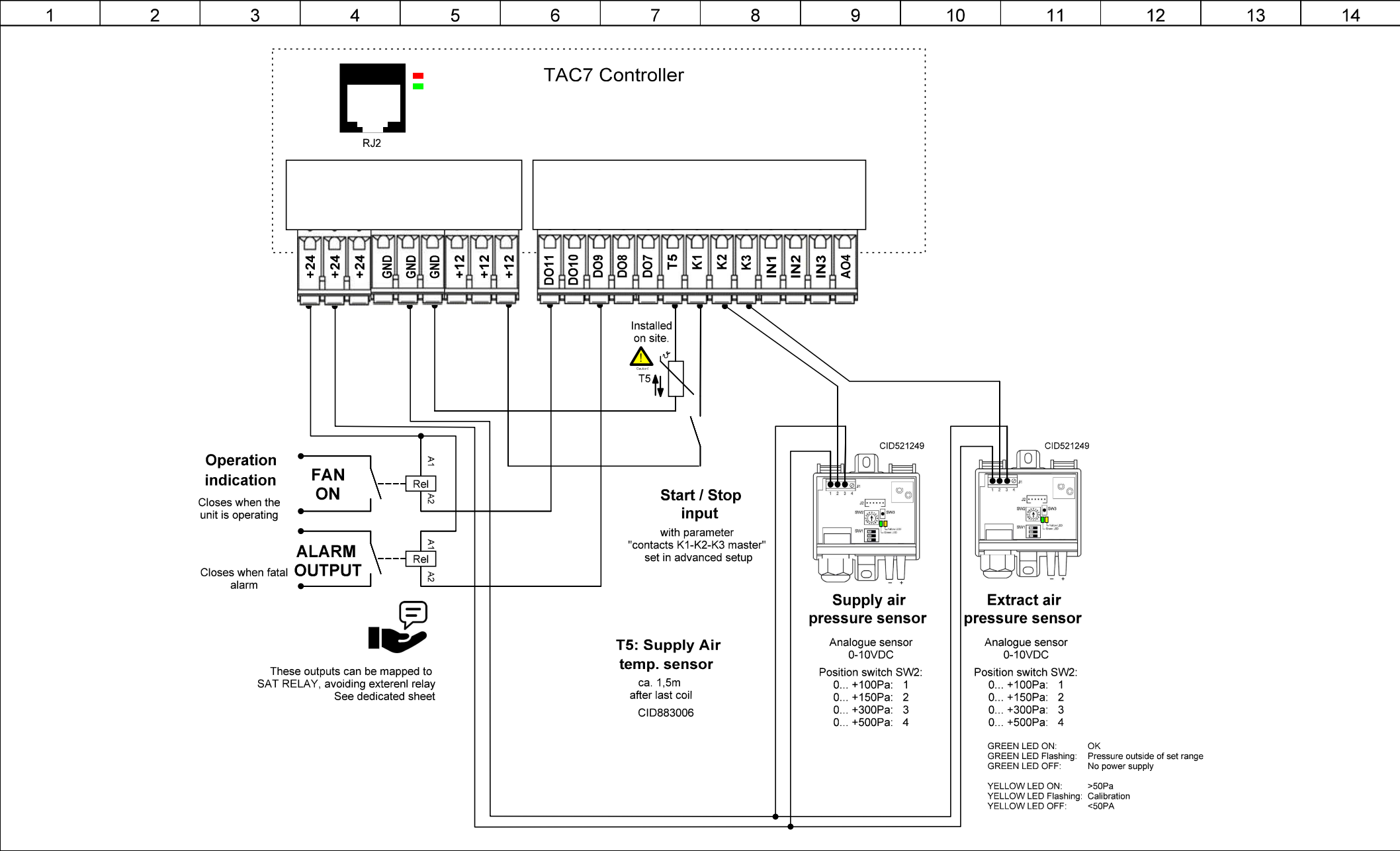


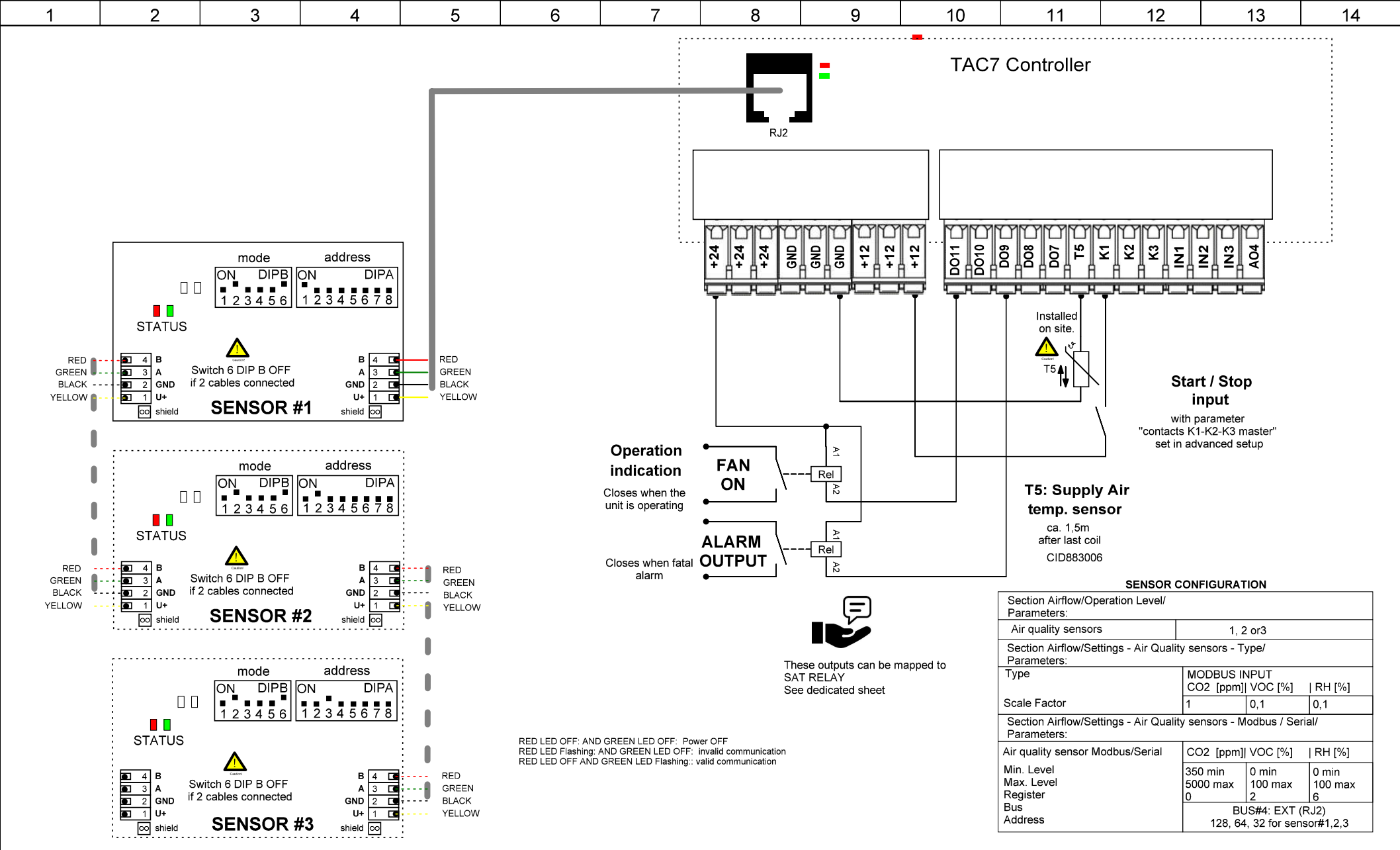
CP MODE + COM SENSORS

Changes			Name	Date	Configuration of function: Function Regulation mode/ Constant Pressure	Page
Name	Date	Draw.:	ola	27/09/2024		9
		check.:				
		Norm:			Application:	of
Subject:	GLOBAL_ESENSA_Wiring TAC7.spl7				Constant pressure Modbus	66

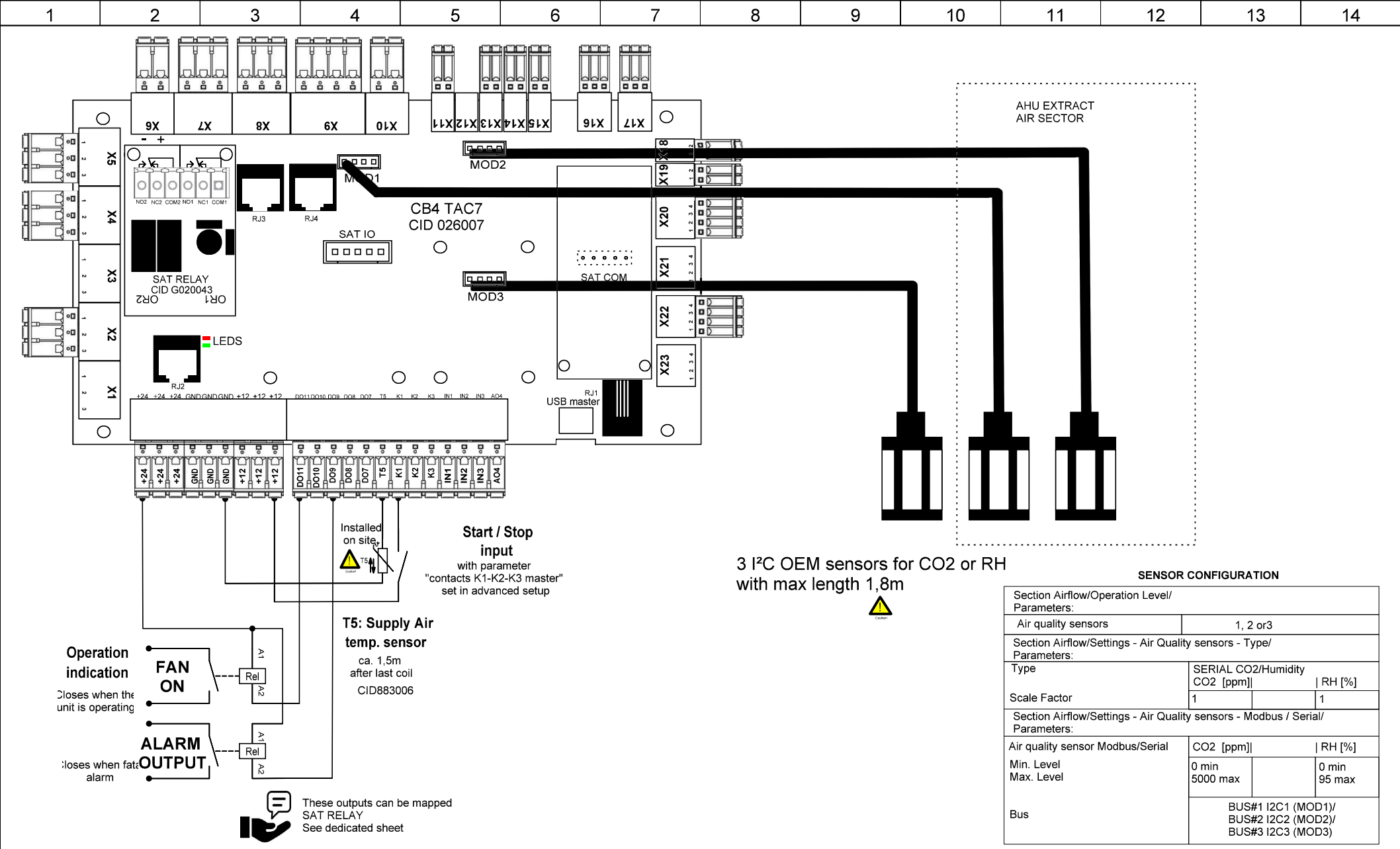


Changes			Name	Date	Configuration of function: Function Regulation mode/ Constant Pressure	Page
Name	Date	Draw.:	ola	27/09/2024		10
		check.:			Application: Constant pressure 1x 0-10V	of
		Norm.:				66
Subject:	GLOBAL_ESENSA_Wiring TAC7.spl7					



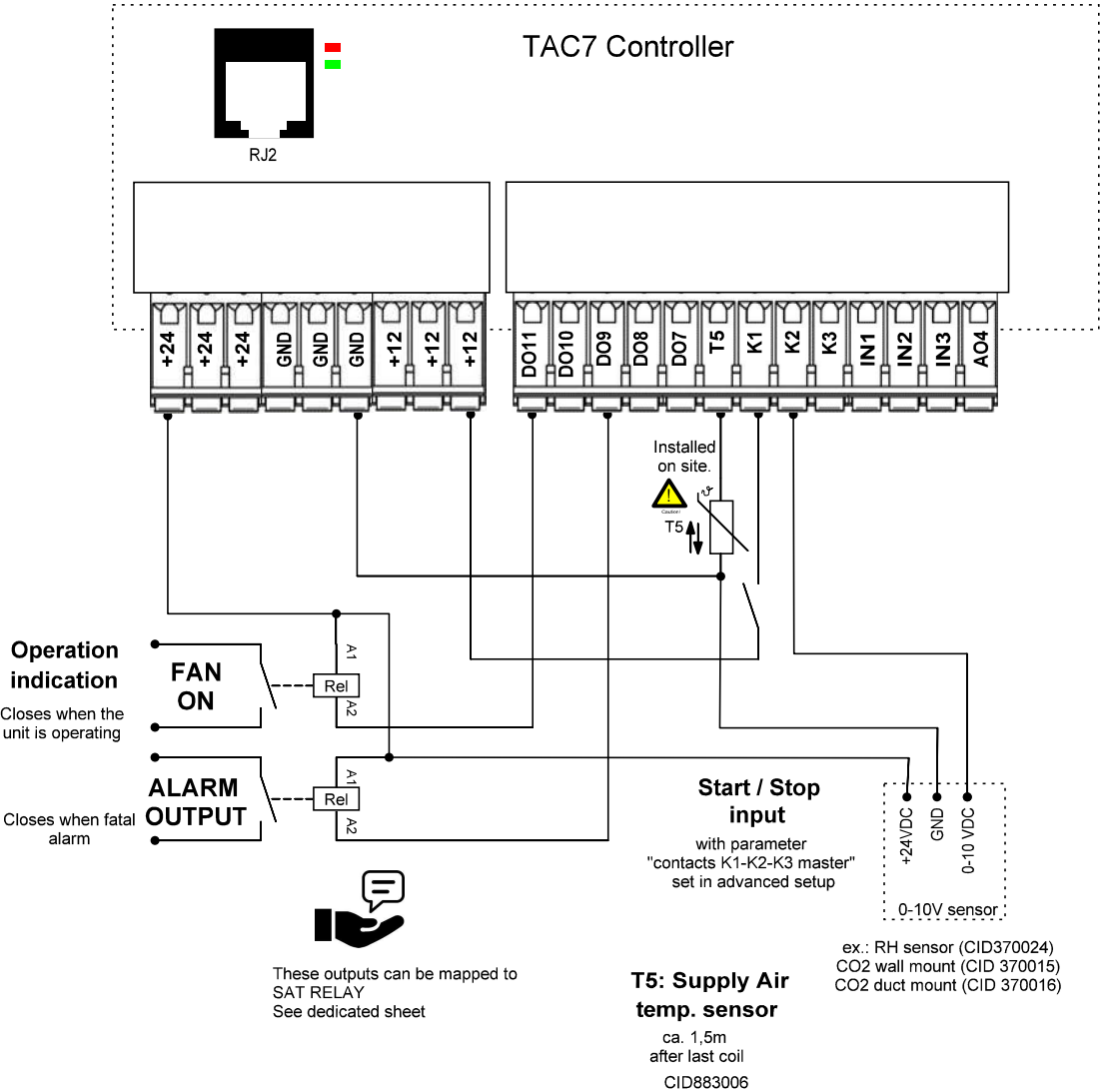


Changes		Name	Date	Configuration of function: Function Regulation mode/ Demand control	Page
Name	Date	Draw.:	ola		12
		check.:		Application: Demand control IAQ Modbus (Indoor Air Quality)	of 66
		Norm:			
Subject:	GLOBAL_ESENSA_Wiring TAC7.spl7				

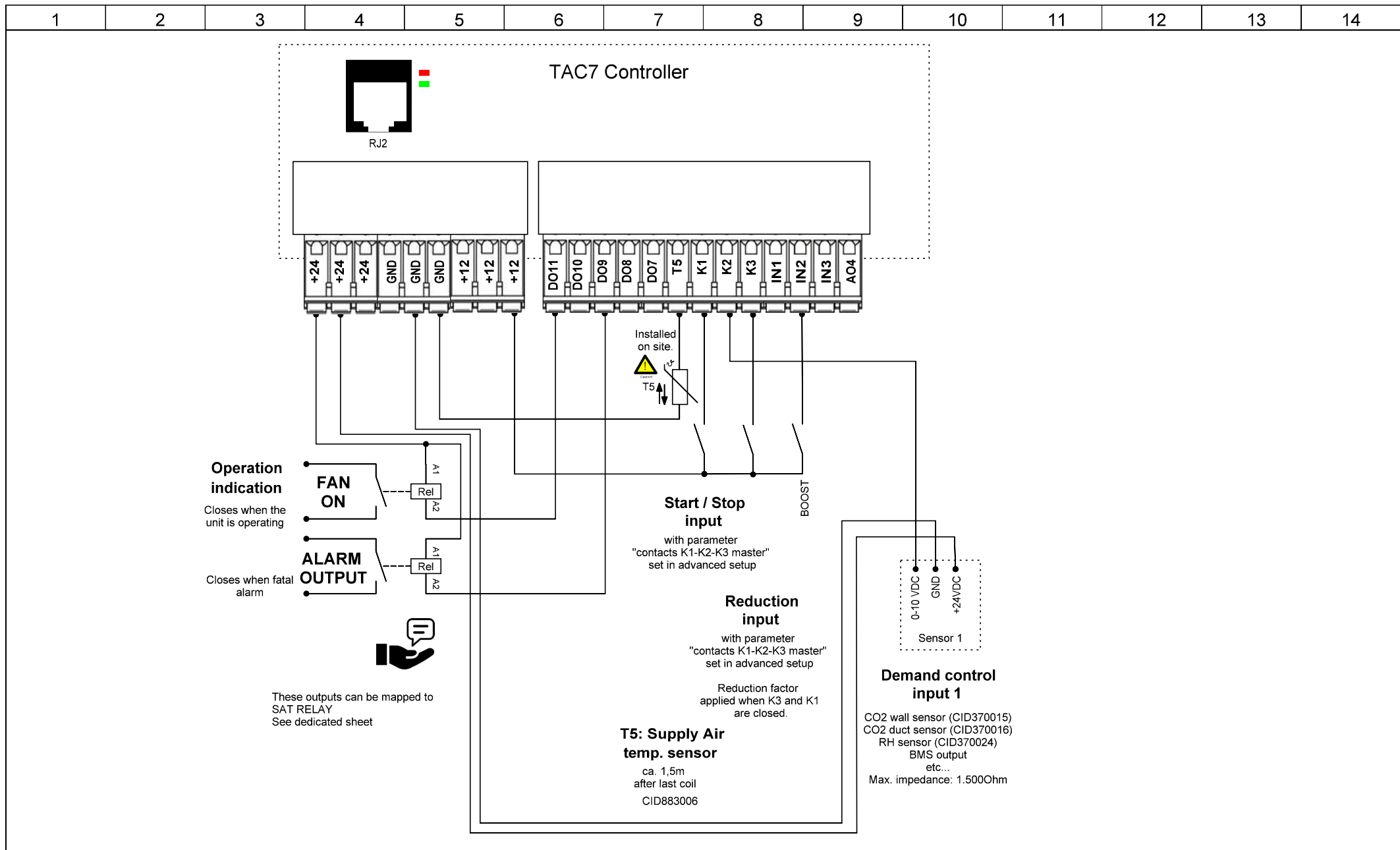


Changes		Name	Date	Configuration of function:	Page
Name	Date	Draw.: ola	27/09/2024	Function Regulation mode/ Demand control	13
		check.:			
		Norm.:		Application: Demand control Serial COM (Indoor Air Quality)	of 66
Subject:	GLOBAL_ESENSA_Wiring TAC7.spl7				

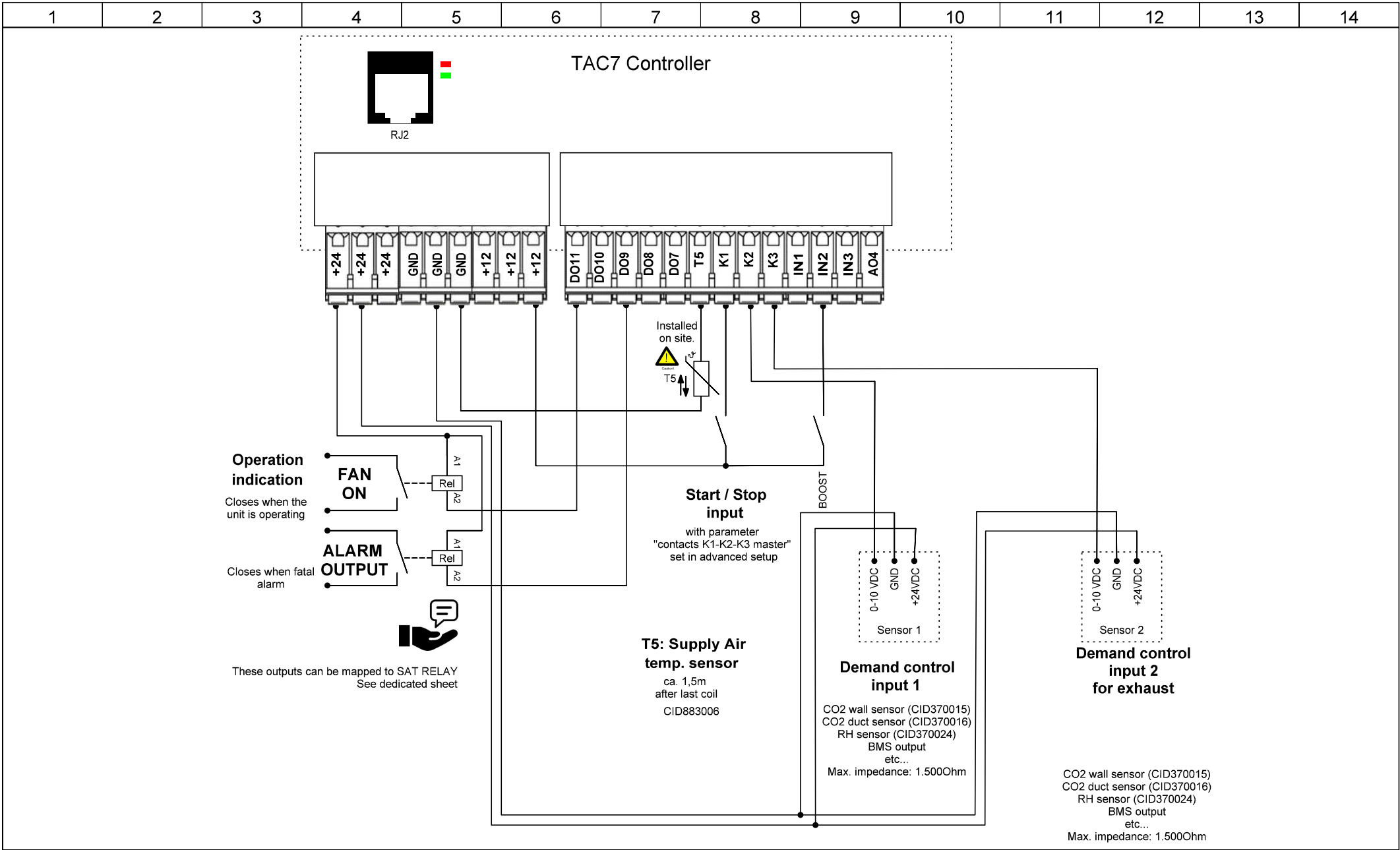
SENSOR CONFIGURATION			
Section Airflow/Operation Level/ Parameters:			
Air quality sensors		1, 2 or3	
Section Airflow/Settings - Air Quality sensors - Type/ Parameters:			
Type		Analogue 0-10V CO2 [ppm] RH [%]	
Scale Factor		20	1
Section Airflow/Settings - Air Quality sensors -Analogue/ Parameters:			
I/O		K2 or K3 if K2 not free and K3 well	
Vmin		0 V	
Vmax		10 V	
Minimum level		0	0
Maximum level		2000	100



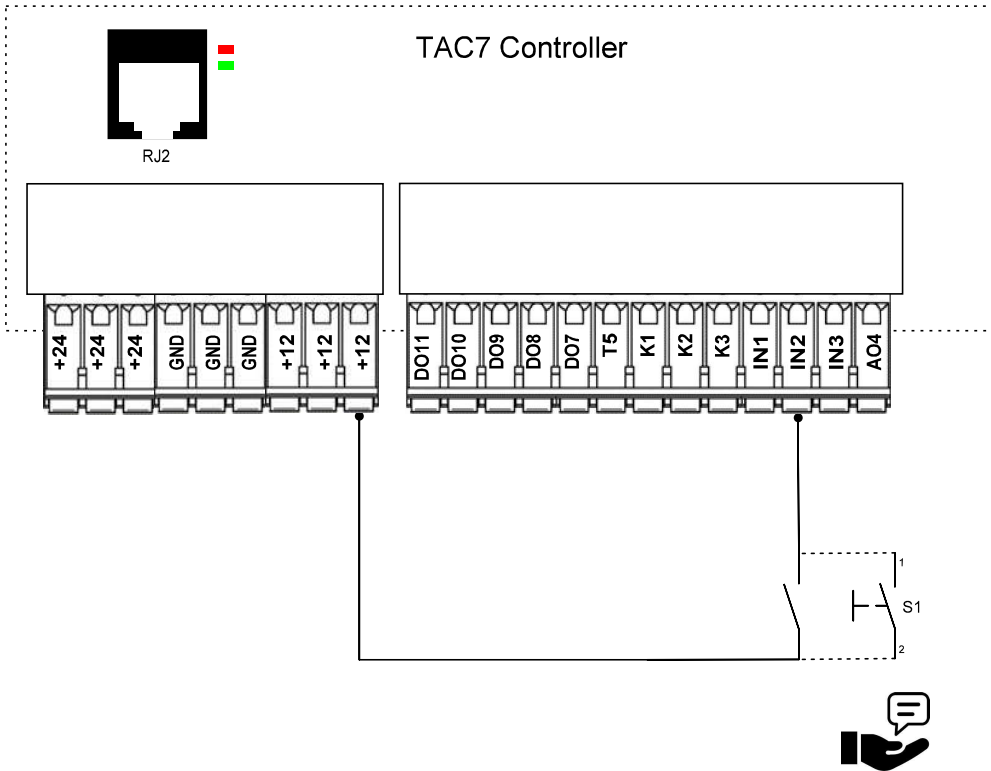
Changes			Name	Date	Configuration of function:	Page
Name	Date	Draw.:	ola	27/09/2024	Function Regulation mode/ Demand control	14
		check.:				
		Norm:			Application: Demand control IAQ Analogue (Indoor Air Quality)	of 66
Subject:	GLOBAL_ESENSA_Wiring TAC7.spl7					



Changes			Name	Date	Configuration of function: Function Regulation mode/ Demand control	Page
Name	Date	Draw.:	ola	27/09/2024		15
		check.:			Application: Demand control 1x 0-10V	of
		Norm.:				66
Subject:		GLOBAL_ESENSA_Wiring TAC7.spl7				



Changes			Name	Date	Configuration of function: Function Regulation mode/ Demand control	Page
Name	Date	Draw.:	ola	29/09/2024		16
		check.:			Application: Demand control 2x 0-10V	of 66
		Norm.:				
Subject:	GLOBAL_ESENSA_Wiring TAC7.spl7					

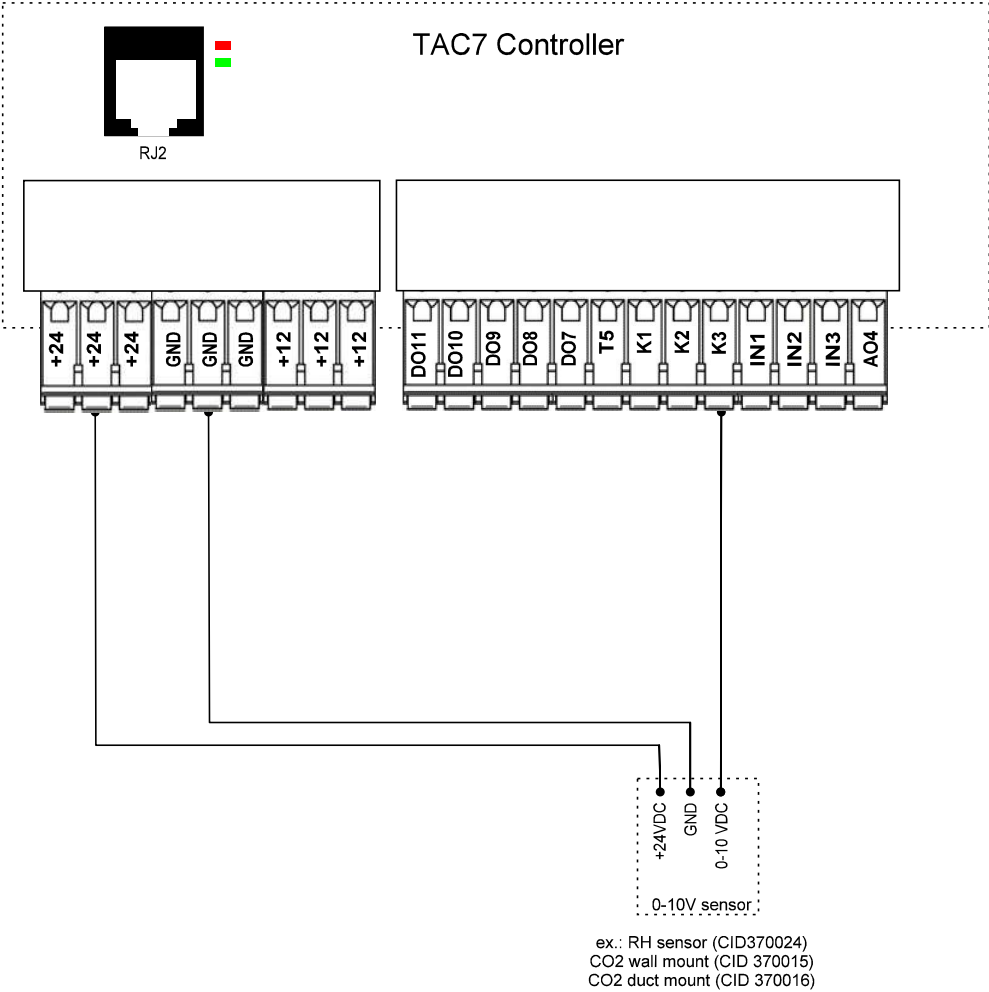


In case a push button is used instead of a switch, then configure parameter "BOOST duration" in Function Air flow/BOOST with a delay in minutes.

Changes			Name	Date	Configuration of function: Function Air flow/BOOST	Page
Name	Date	Draw.:	ola	27/09/2024		17
		check.:				
		Norm.:			Application: BOOST with contact	of 66
Subject:	GLOBAL_ESENSA_Wiring TAC7.sp17					

SENSOR CONFIGURATION

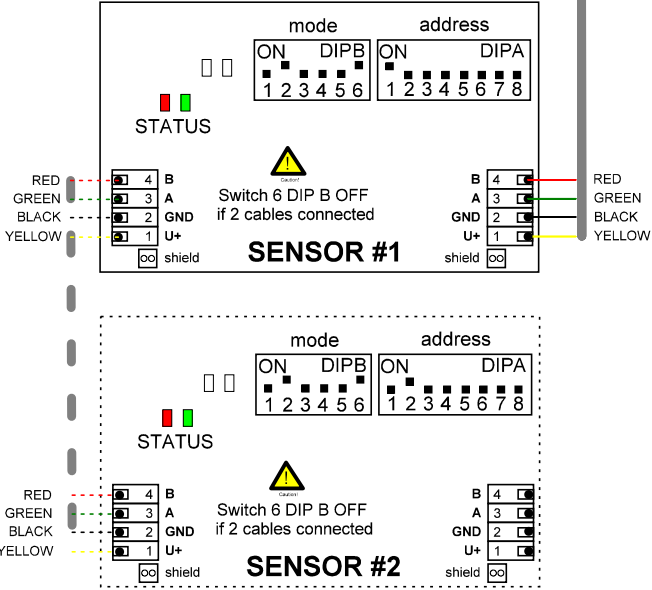
Section Airflow/BOOST/ Parameters:		
Air quality sensors	1 or 2	
Section Airflow/BOOST - Air Quality sensors - Type/ Parameters:		
Type	Analogue 0-10V CO2 [ppm]	
Scale Factor	20	RH [%] 1
Section Airflow/BOOST - Air Quality sensors - Analogue/ Parameters:		
I/O Vmin Vmax	K2 or K3 0 V 10 V	
	CO2 [ppm]	RH [%]
Low level BOOST off	100 min	5 min
High level BOOST on	1900 max	95 max

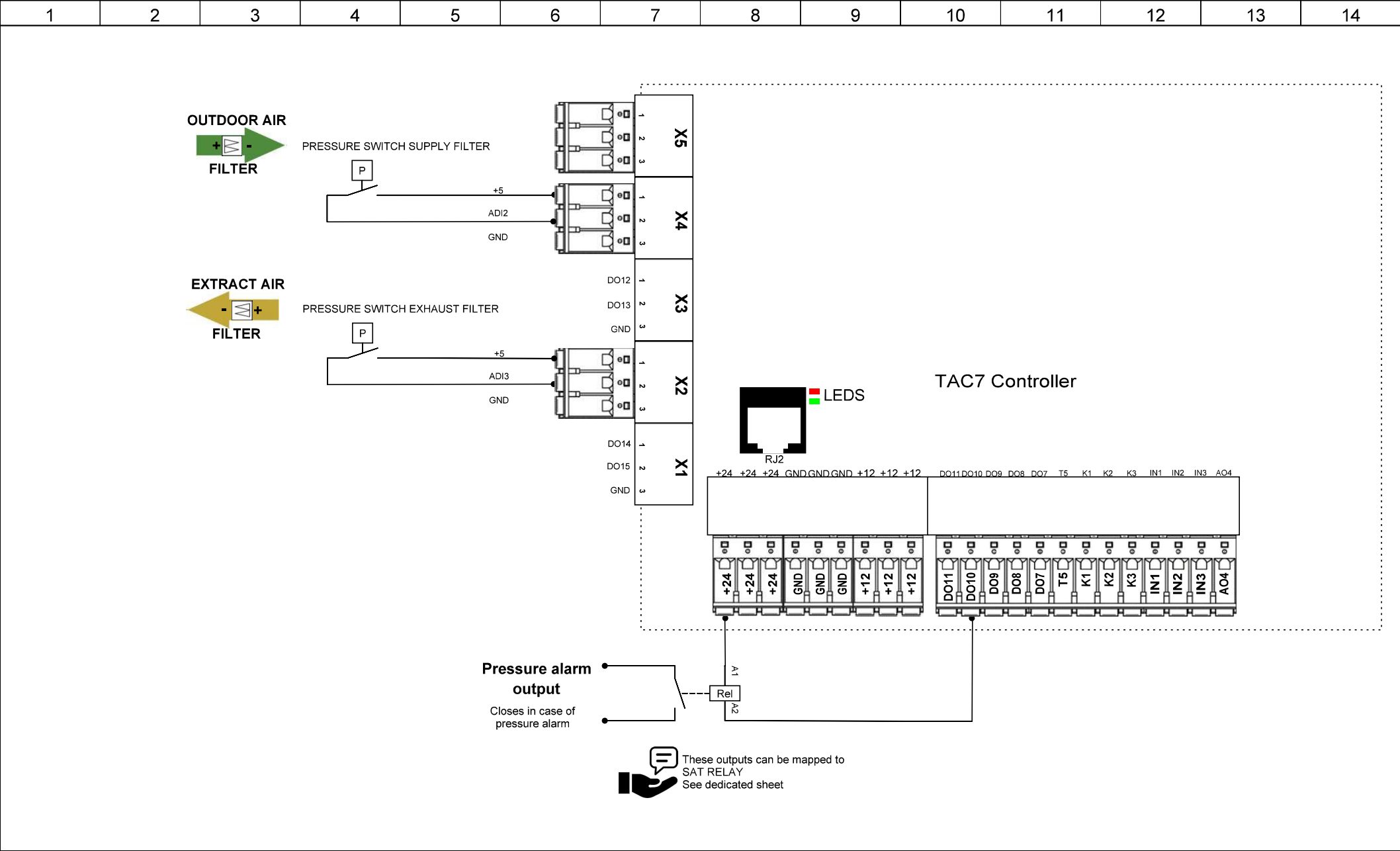


Changes			Name	Date	Configuration of function: Function Air flow/BOOST	Page
Name	Date	Draw.:	ola	27/09/2024		18
		check.:				
		Norm:			Application: BOOST with 0-10V sensor	of 66
Subject:	GLOBAL_ESENSA_Wiring TAC7.spl7					

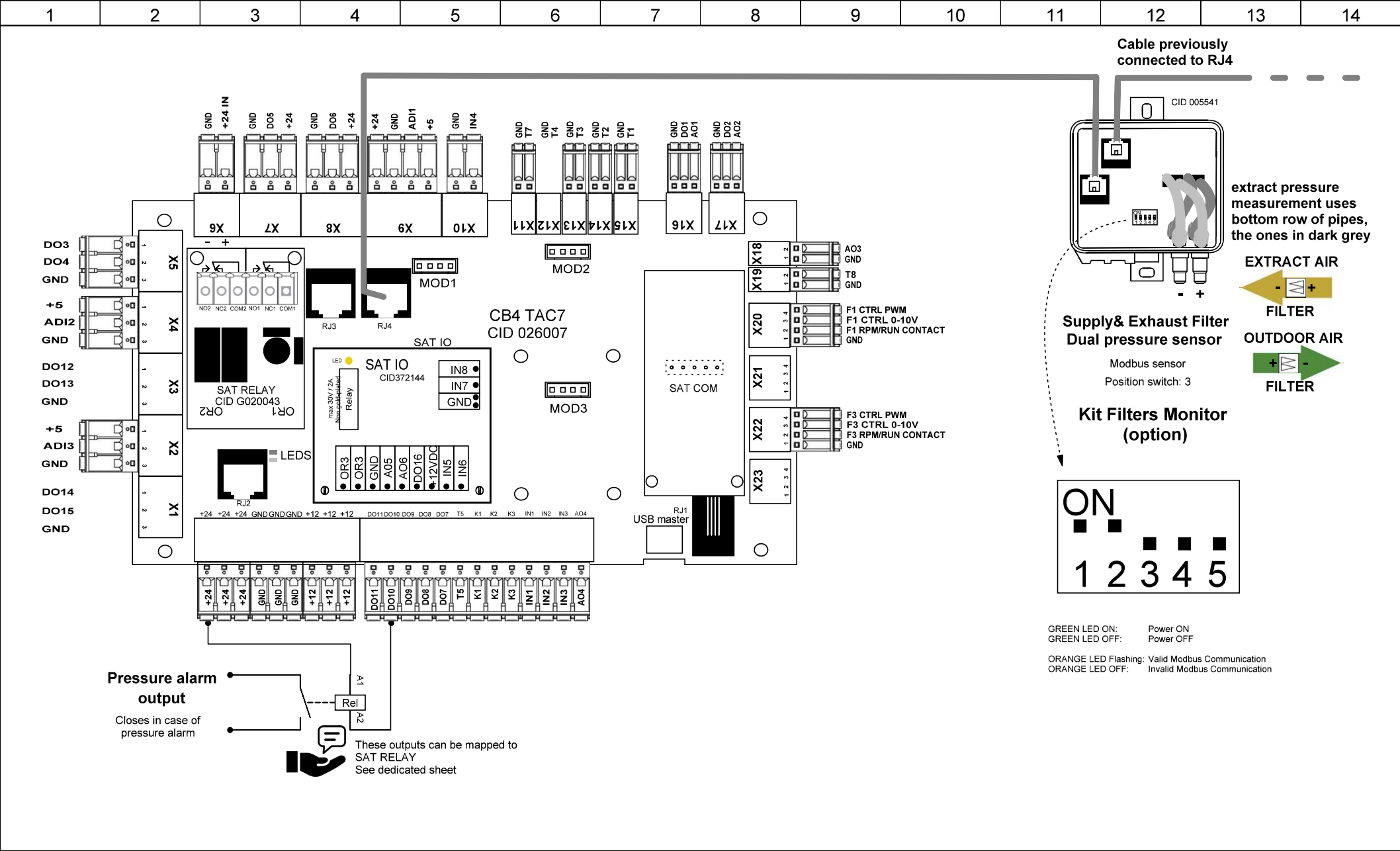
SENSOR CONFIGURATION

Section Airflow/BOOST/ Parameters:			
Air quality sensors		1 or2	
Section Airflow/BOOST - Air Quality sensors - Type/ Parameters:			
Air quality sensor Type		MODBUS INPUT CO2 [ppm] VOC [%] RH [%]	
Scale Factor		1	0,1
Low level BOOST off		350 min	0 min
High level BOOST on		5000 max	100 max
Section Airflow/BOOST - Air Quality sensors - Modbus / Serial/ Parameters:			
Air quality sensor Modbus/Serial		CO2 [ppm] VOC [%] RH [%]	
Register		0	2
Bus		BUS#4: EXT (RJ2)	
Address		128, 64 for sensor#1,2	

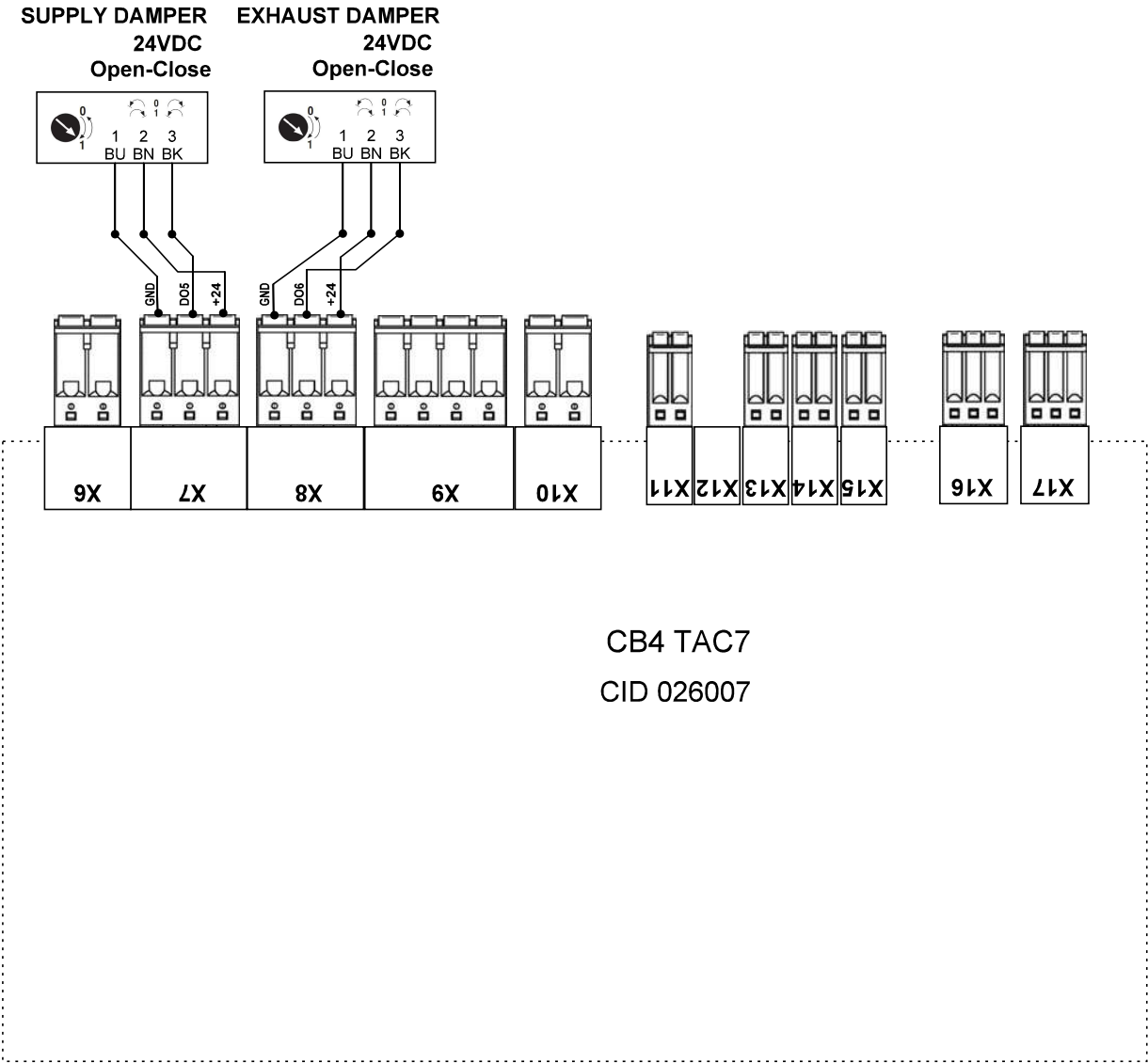




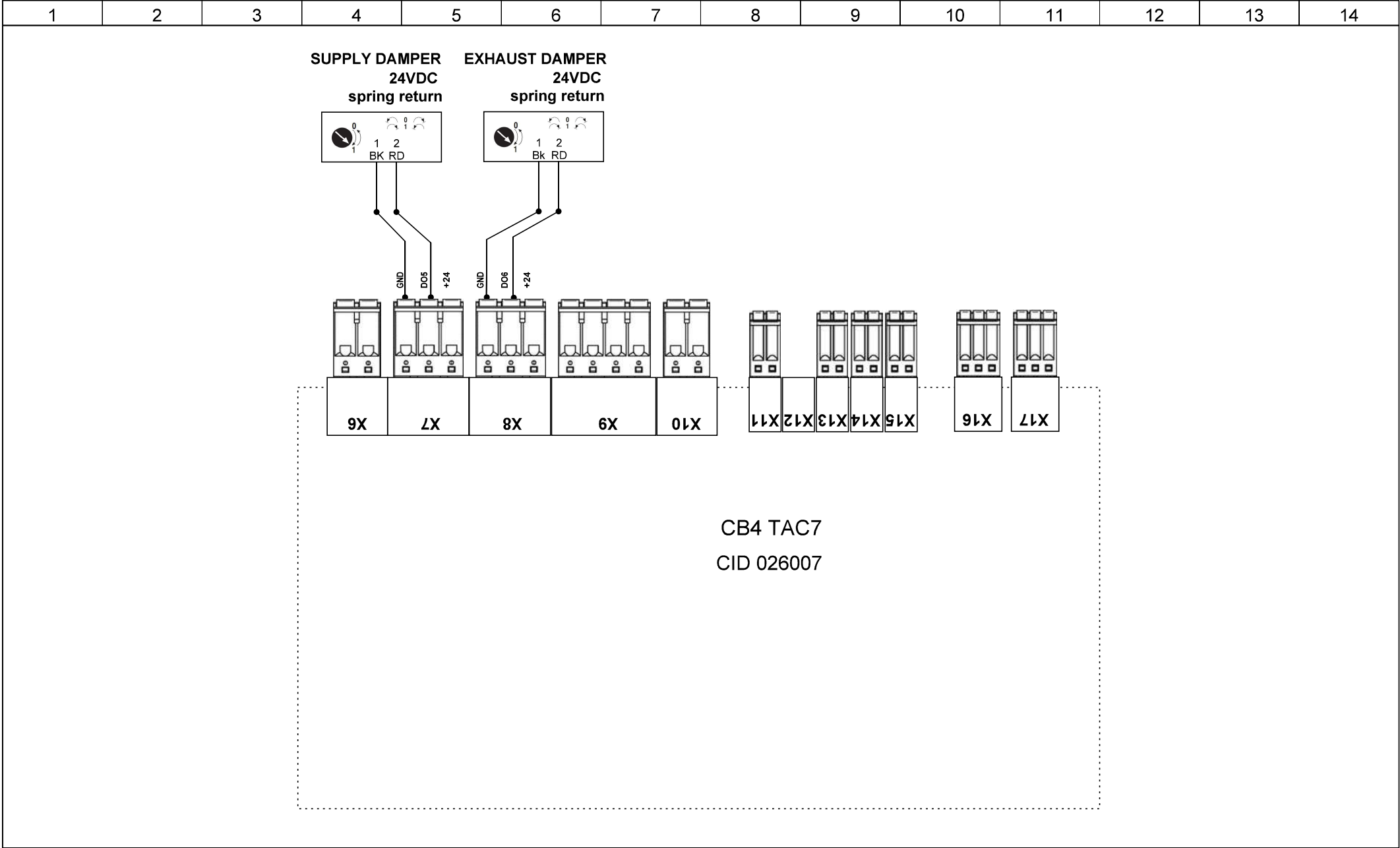
Changes			Name	Date	Configuration of function:	Page
Name	Date	Draw.:	ola	27/09/2024		20
		check.:			Application: Filters alarm - Pa switch	of
		Norm.:				66
Subject:		GLOBAL_ESENSA_Wiring TAC7.spl7				



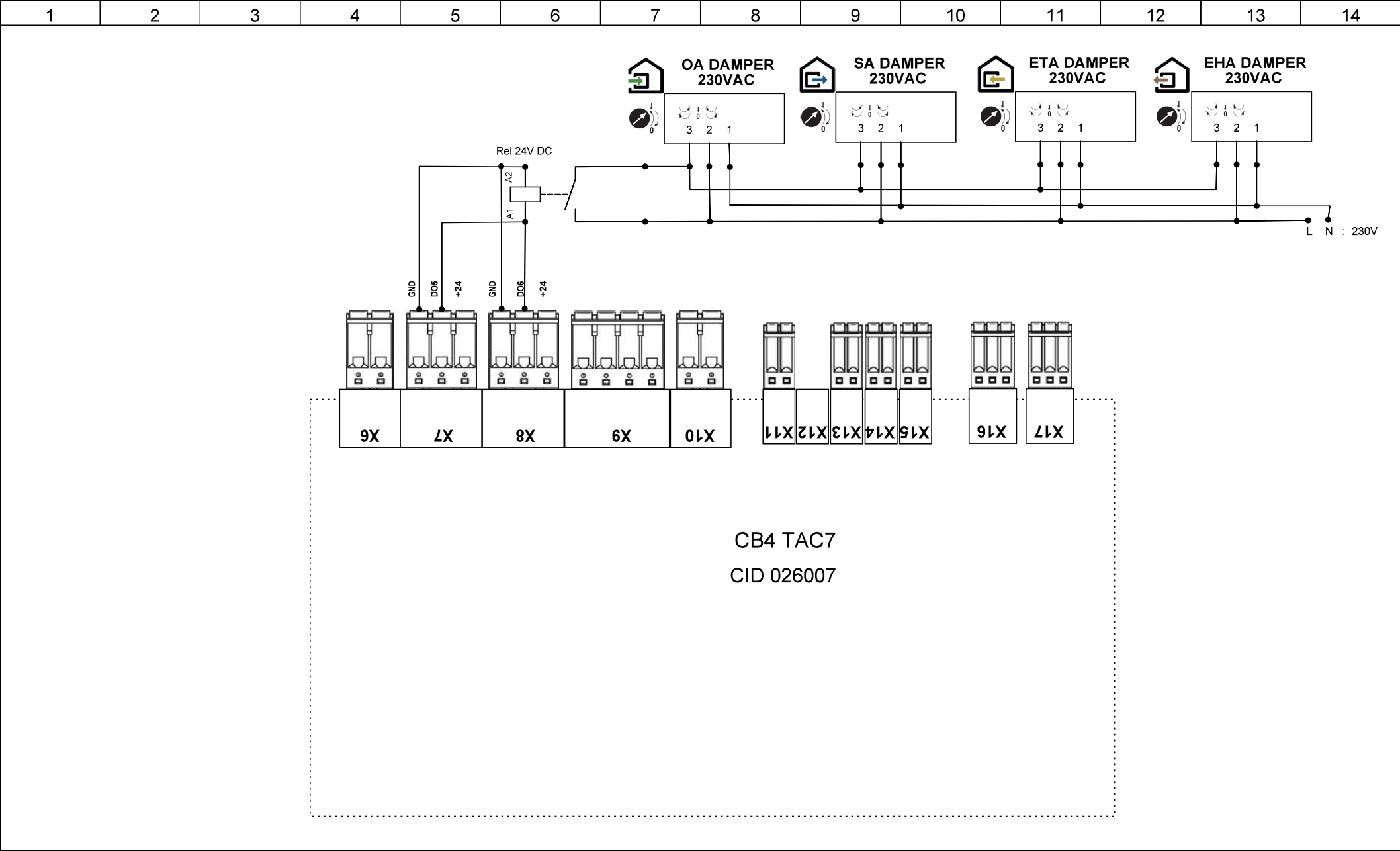
Changes		Name		Date	Configuration of function:	Page
Name	Date	Draw.:	ola	27/09/2024	Function Filters/Pressure alarm/Filters pressure revelation with sensors	21
		check.:				
		Norm.:			Application: Filters alarm & monitor	of 66
Subject:	GLOBAL_ESENSA_Wiring TAC7.spl7					



Changes			Name	Date	Configuration of function: Function Air Handling Unit/Dampers	Page
Name	Date	Draw.:	ola	27/09/2024		22
msg	07/04/2023	check.:				
		Norm:			Application: Motorised damper - standard	of
Subject:	GLOBAL_ESENSA_Wiring TAC7.spl7					66



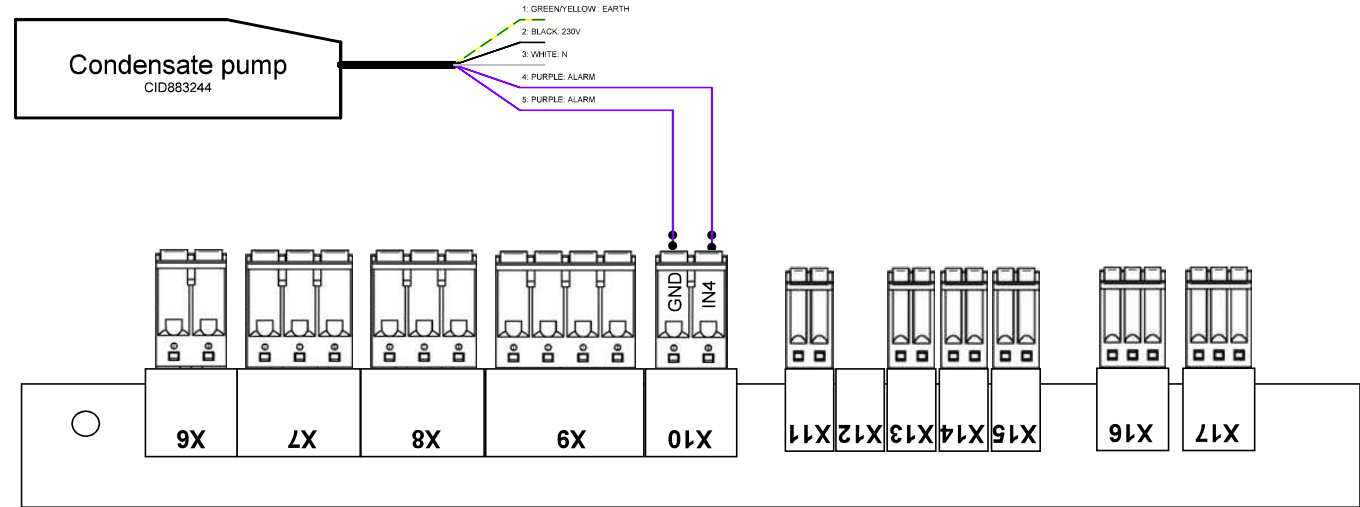
Changes			Name	Date	Configuration of function: Function Air Handling Unit/Dampers	Page
Name	Date	Draw.:	ola	27/09/2024		23
		check.:			Application: Motorised damper - spring ret	of 66
		Norm:				
Subject:	GLOBAL_ESENSA_Wiring TAC7.spl7					



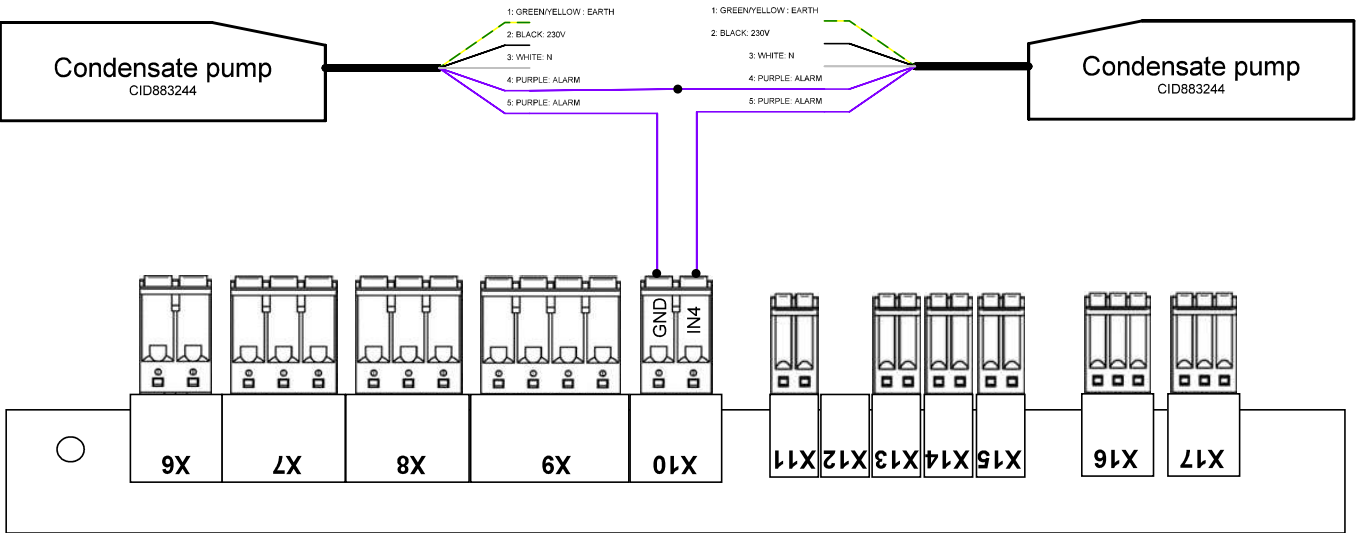
Changes		Name		Date	Configuration of function: Function Air Handling Unit/Dampers dampers move simultaneously in same direction (they all close or all open)	Page
Name	Date	Draw.:	ola	27/09/2024		24
		check.:			Application: Motorised damper - 230 V AC	of 66
		Norm.:				
Subject:	GLOBAL_ESENSA_Wiring TAC7.spl7					

1 device with drain pump
(GLOBAL LP or postcooling coil)

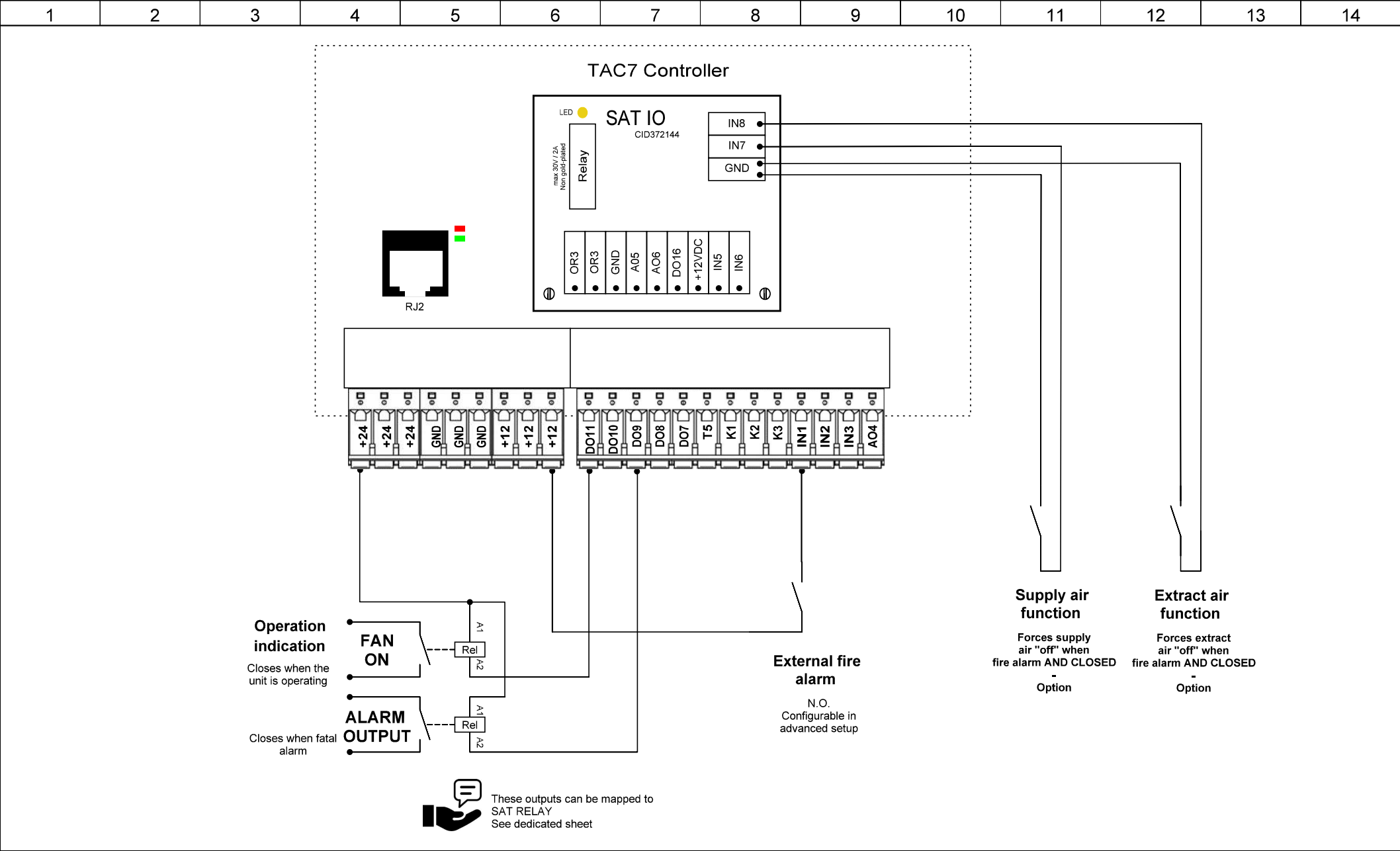
The condensate pump contains an internal sensor that will automatically start the pump when the water level rises above approx. 15 mm and stop the pump when the water level has fallen to approx. 5 mm. The condensate pump is also fitted with a high water level alarm that will operate the alarm relay if the water level rises above approx. 25 mm. The pump will continue to run until the minimum water level is reached and the alarm will reset.



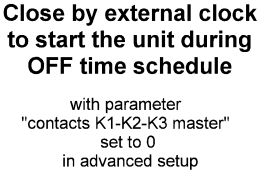
2 devices with drain pump
(GLOBAL LP and postcooling coil)



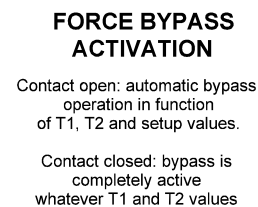
Changes			Name	Date	Application: Condense pump	Page
Name	Date	Draw.:	ola	27/09/2024		25
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		Norm:				of 66
Subject:		GLOBAL_ESENSA_Wiring TAC7.spl7				



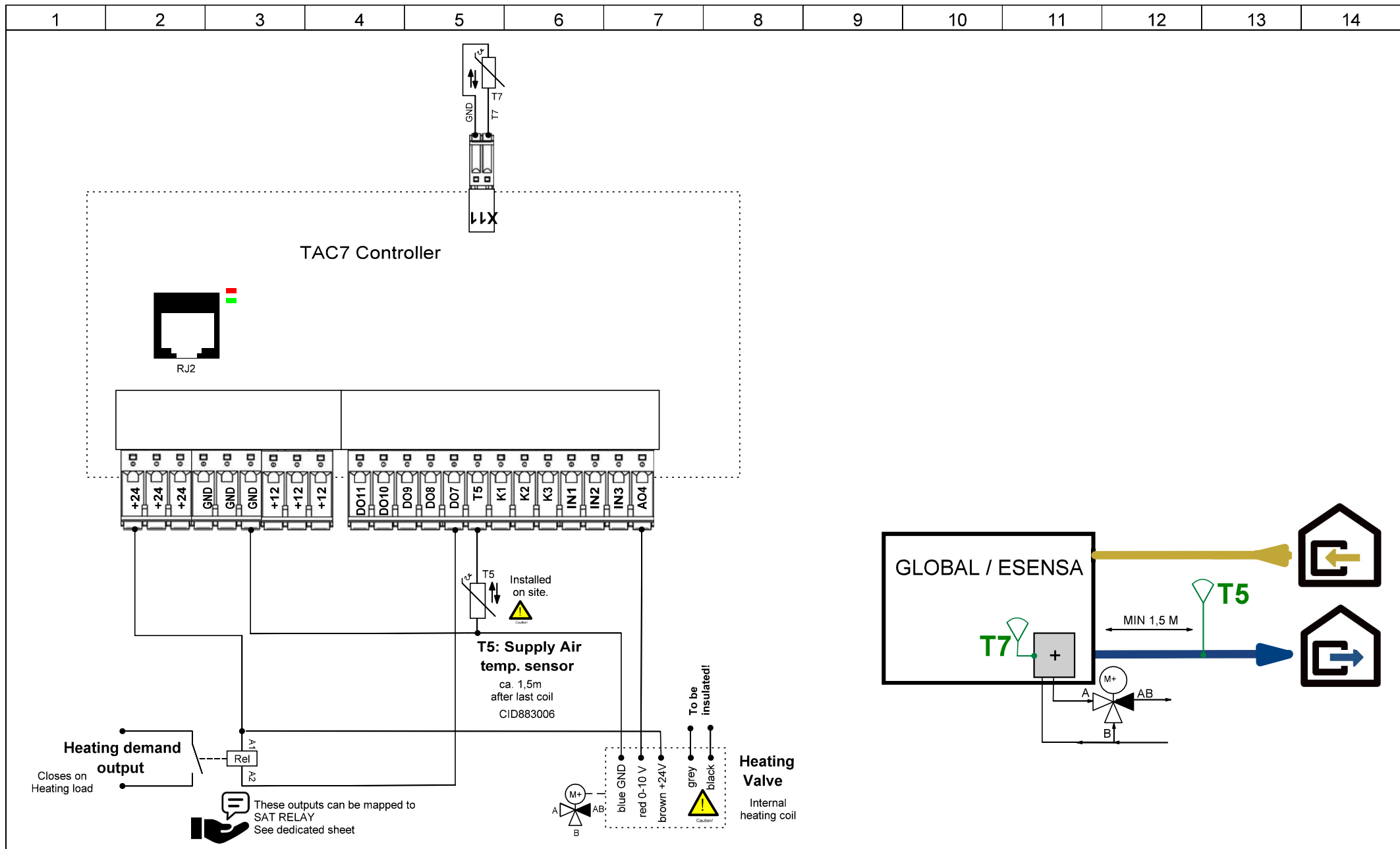
Changes			Name	Date	Configuration of function: Function Alarm Settings	Page
Name	Date	Draw.:	ola	30/09/2024		26
		check.:			Application: Fire alarm	of 66
		Norm.:				
Subject:		GLOBAL_ESENSA_Wiring TAC7.spl7				



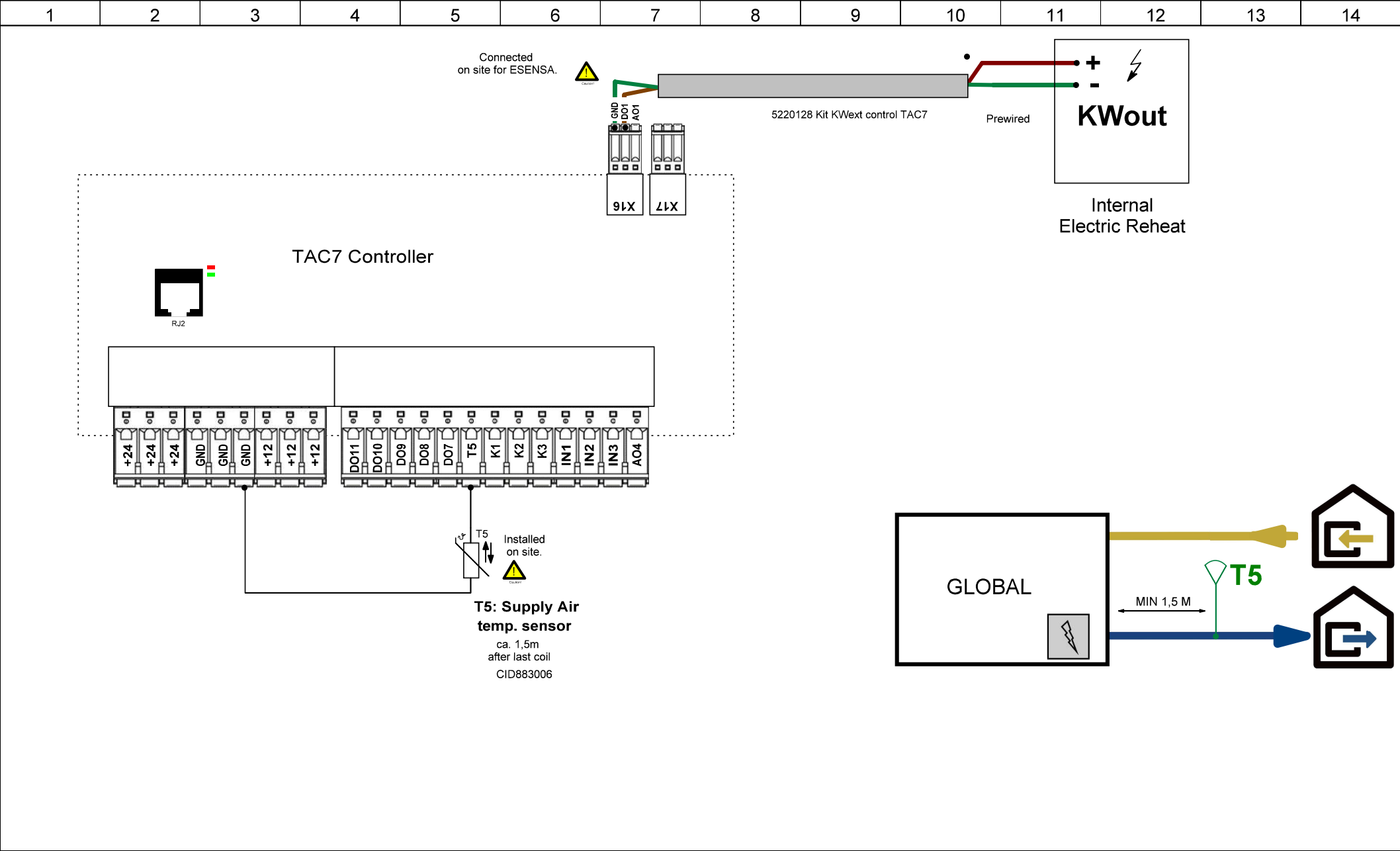
Changes			Name	Date	Configuration of function: Timeschedules configured Control screen of TACtouch: Speed selecion on 'AUTO'	Page
Name	Date	Draw.:	ola	30/09/2024		27
		check.:				
		Norm.:			Application: External Clock	of 66
Subject:	GLOBAL_ESENSA_Wiring TAC7.spl7					



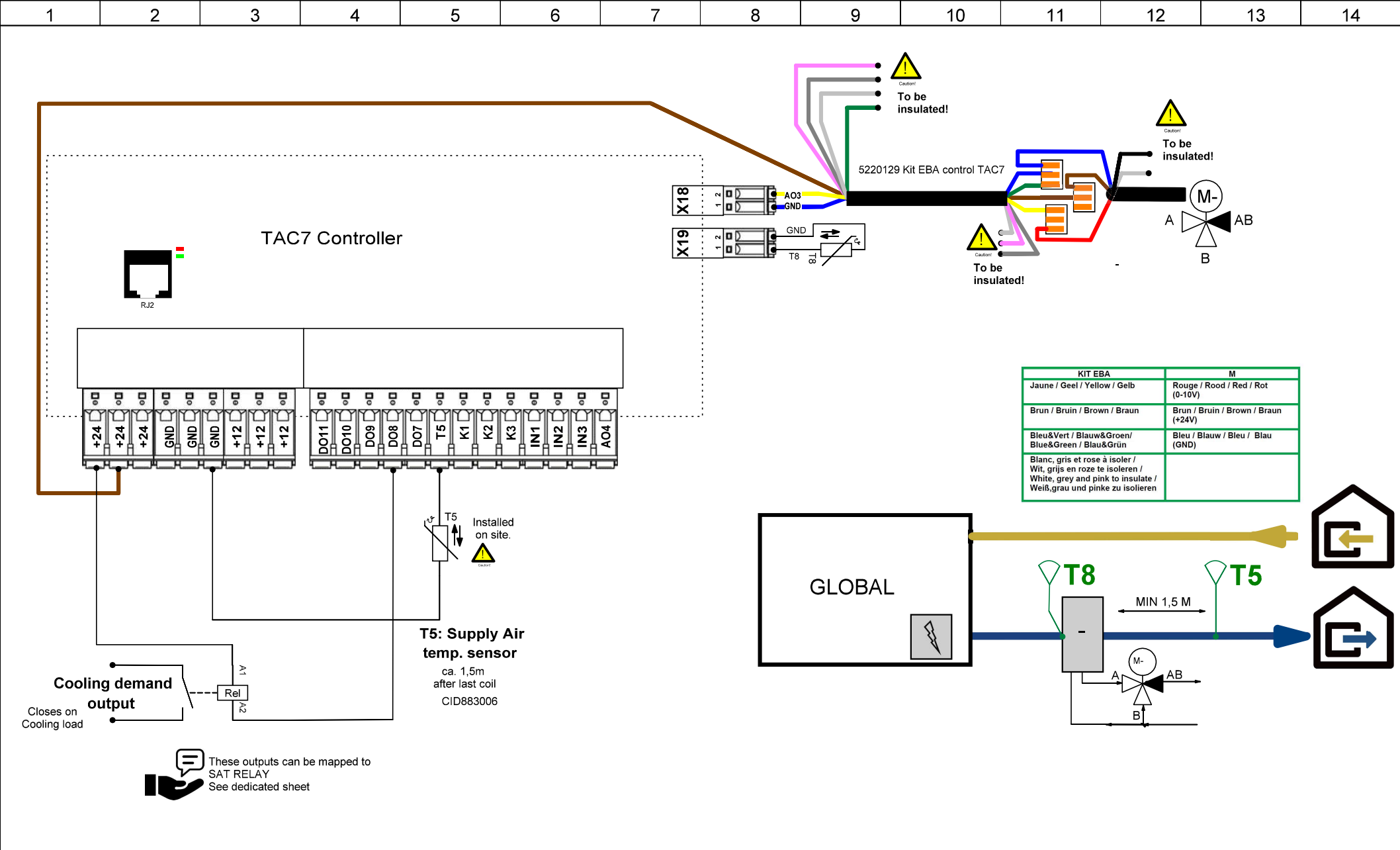
Changes			Name	Date	Configuration of function: Function Temperature/Freecooling	Page
Name	Date	Draw.:	ola	30/09/2024		28
		check.:				
		Norm:			Application:	of
Subject:	GLOBAL_ESENSA_Wiring TAC7.spl7				Bypass	66



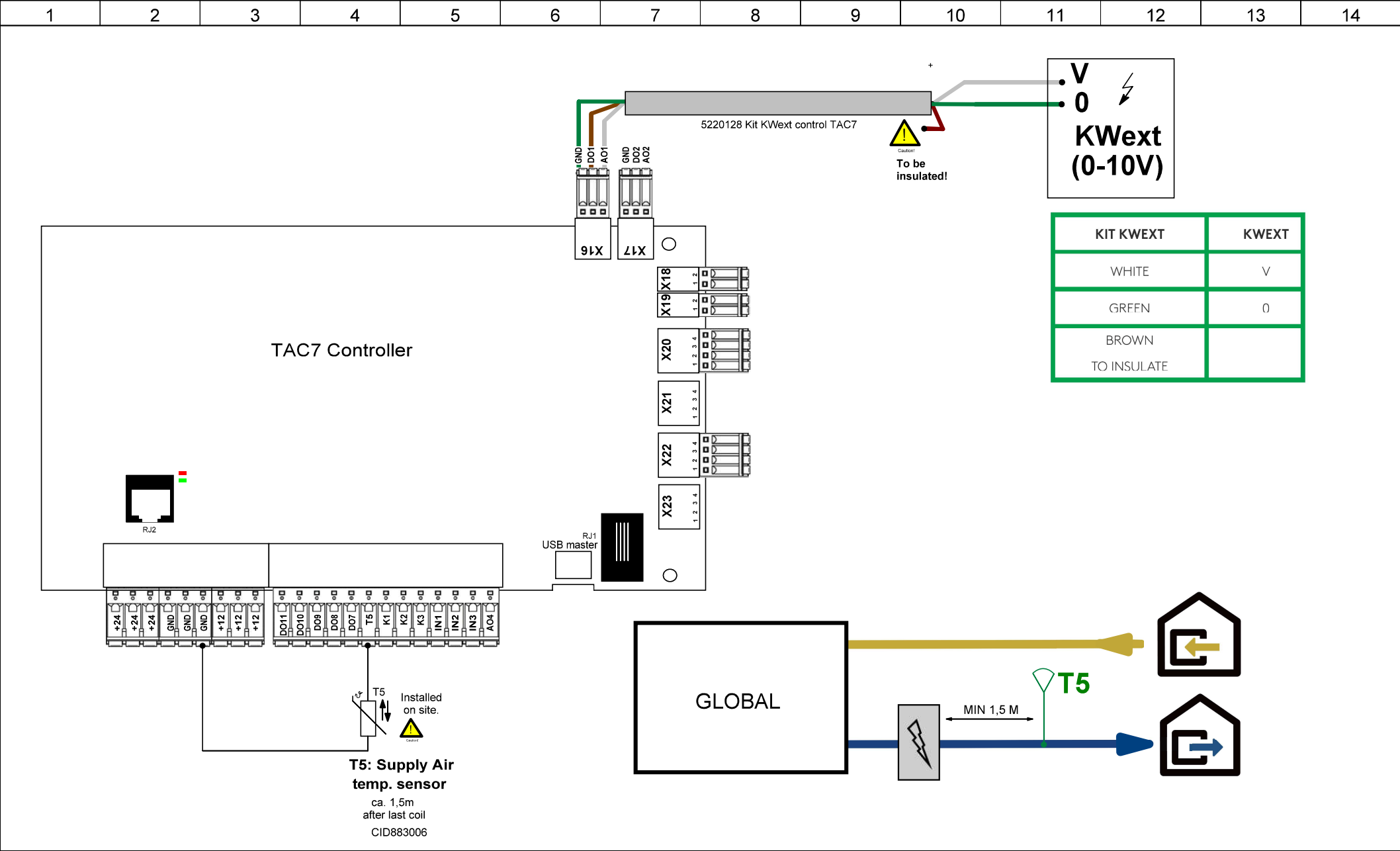
Changes			Name	Date	Configuration of function: Function Heat/Reheat/ Internal Waterborne Rehater (IBA)	Page
Name	Date	Draw.:	ola	30/09/2024		29
		check.:				
		Norm:			Application: IBA Internal Waterborne Reheat	of 66
Subject:	GLOBAL_ESENSA_Wiring TAC7.spl7					



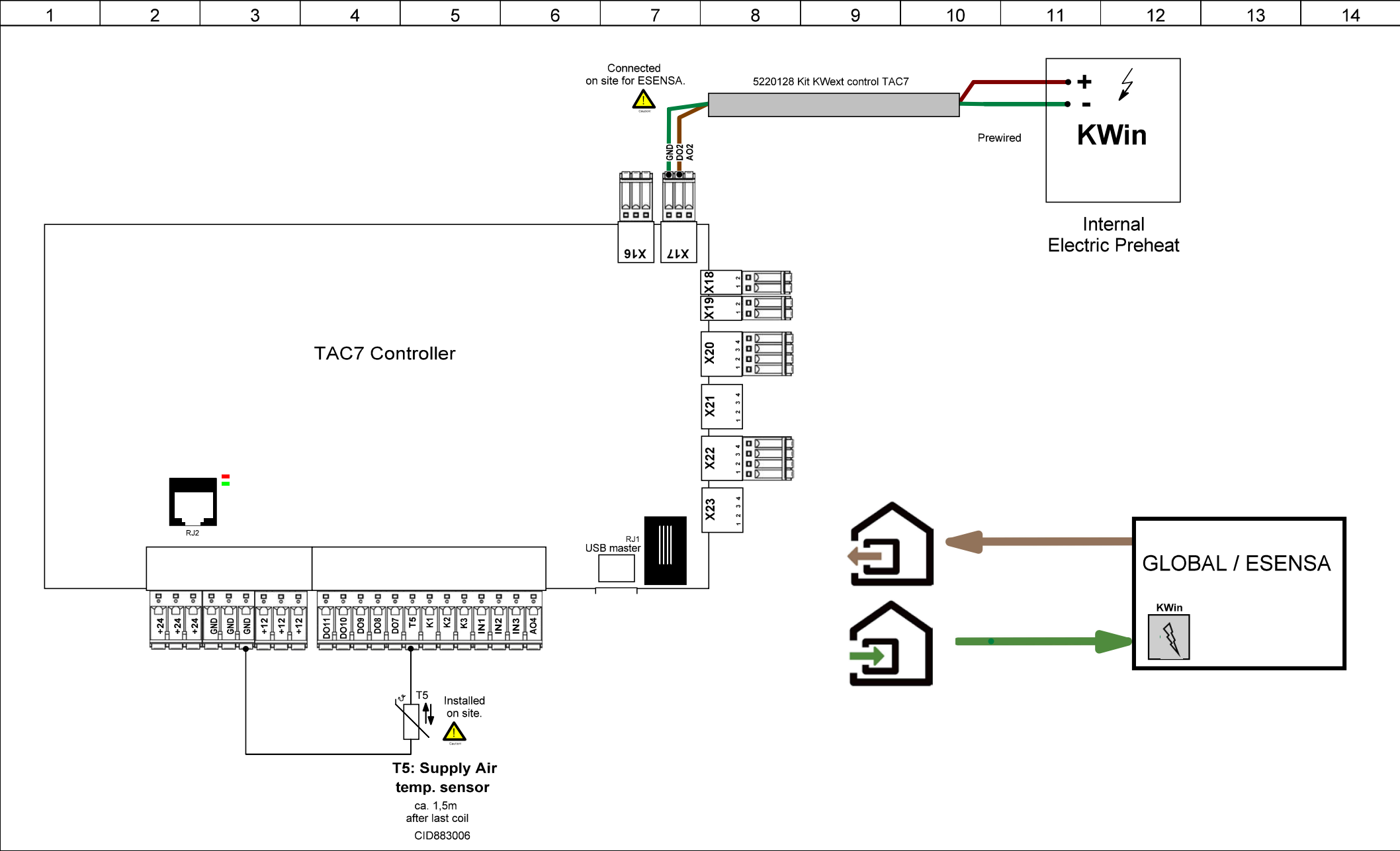
Changes			Name	Date	Configuration of function: Function Heat/Reheat/ Internal Electric Rehater (KWout)	Page
Name	Date	Draw.:	ola	30/09/2024		31
		check.:			Application: KWout Internal Electric Reheat	of
		Norm:				66
Subject:		GLOBAL_ESENSA_Wiring TAC7.spl7				



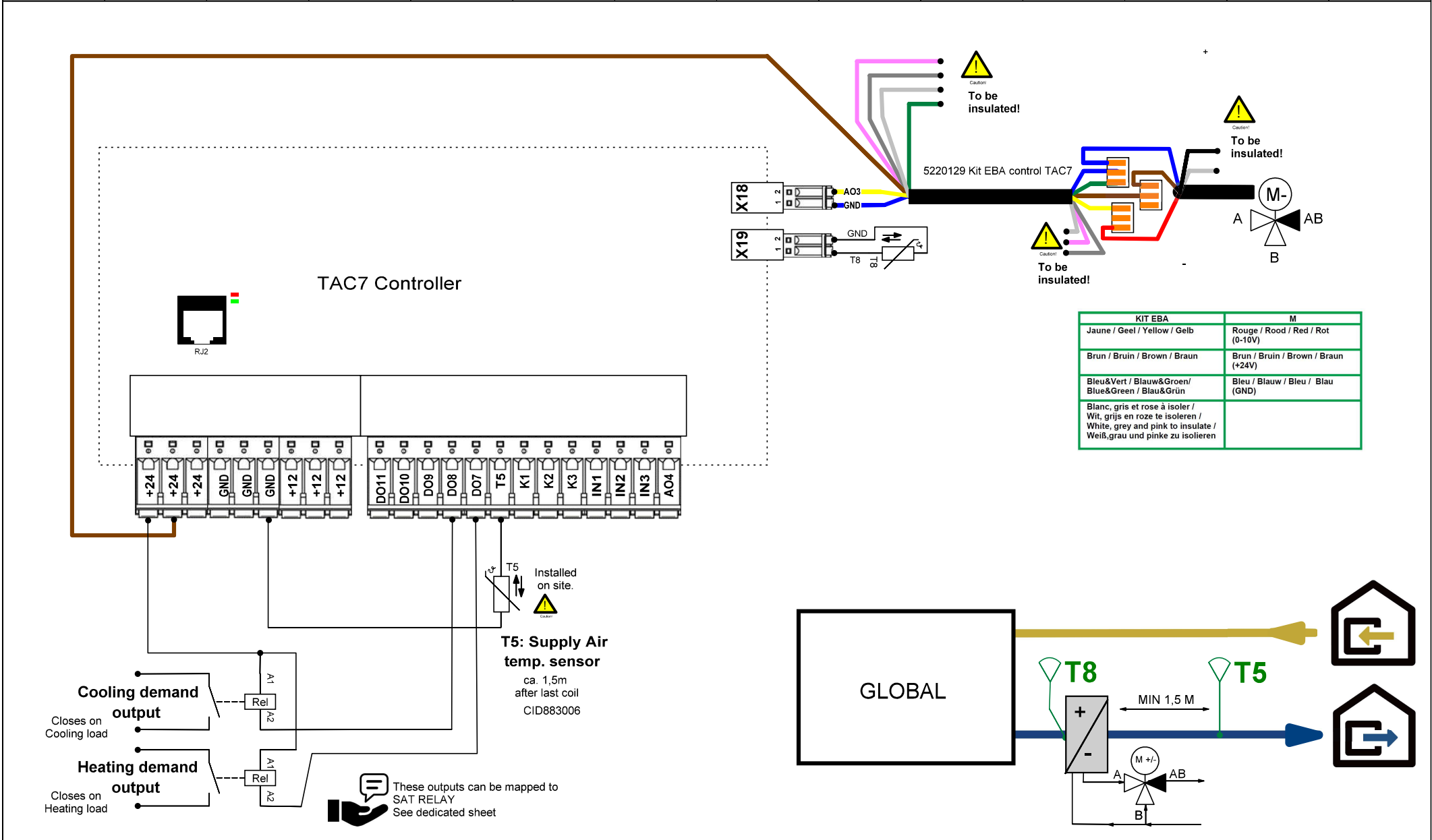
Changes			Name	Date	Configuration of function:	Page
Name	Date	Draw.:	ola	03/10/2024	Function Heat/Reheat/Internal Electric Reheater (KWout)	32
		check.:			& Function Cool/Settings/External Waterborne Recooler (EBA-)	
		Norm:			Application:	of 66
Subject:	GLOBAL_ESENSA_Wiring TAC7.spl7				Int. elec heating & Ext. cool	



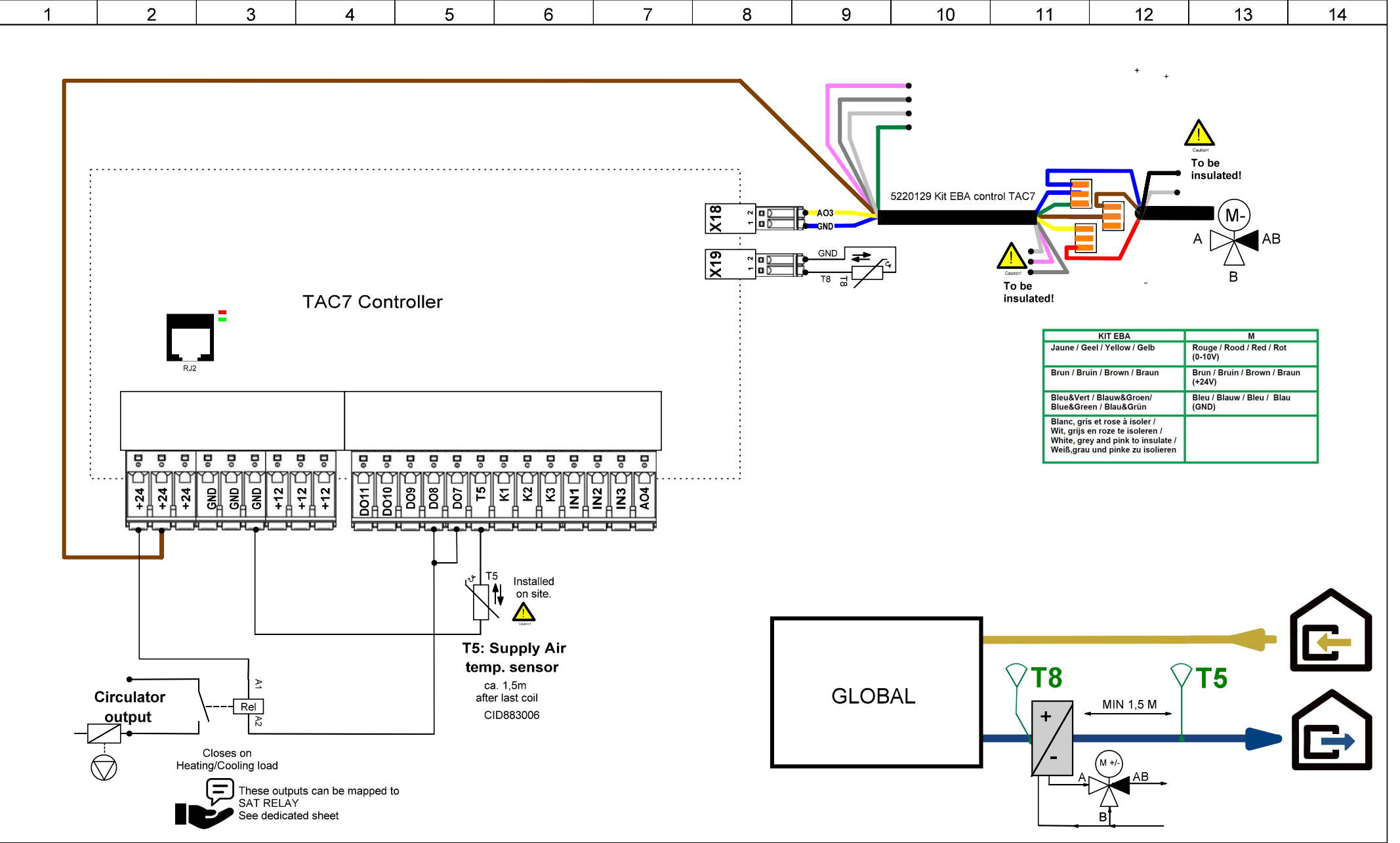
Changes			Name	Date	Configuration of function:	Page
Name	Date	Draw.:	ola	03/10/2024	Function Heat/Reheat/ External Electric Rehater (KWext - 0-10V)	33
		check.:				
		Norm.:			Application:	of
Subject:	GLOBAL_ESENSA_Wiring TAC7.spl7				External elec. heating 0-10V	66



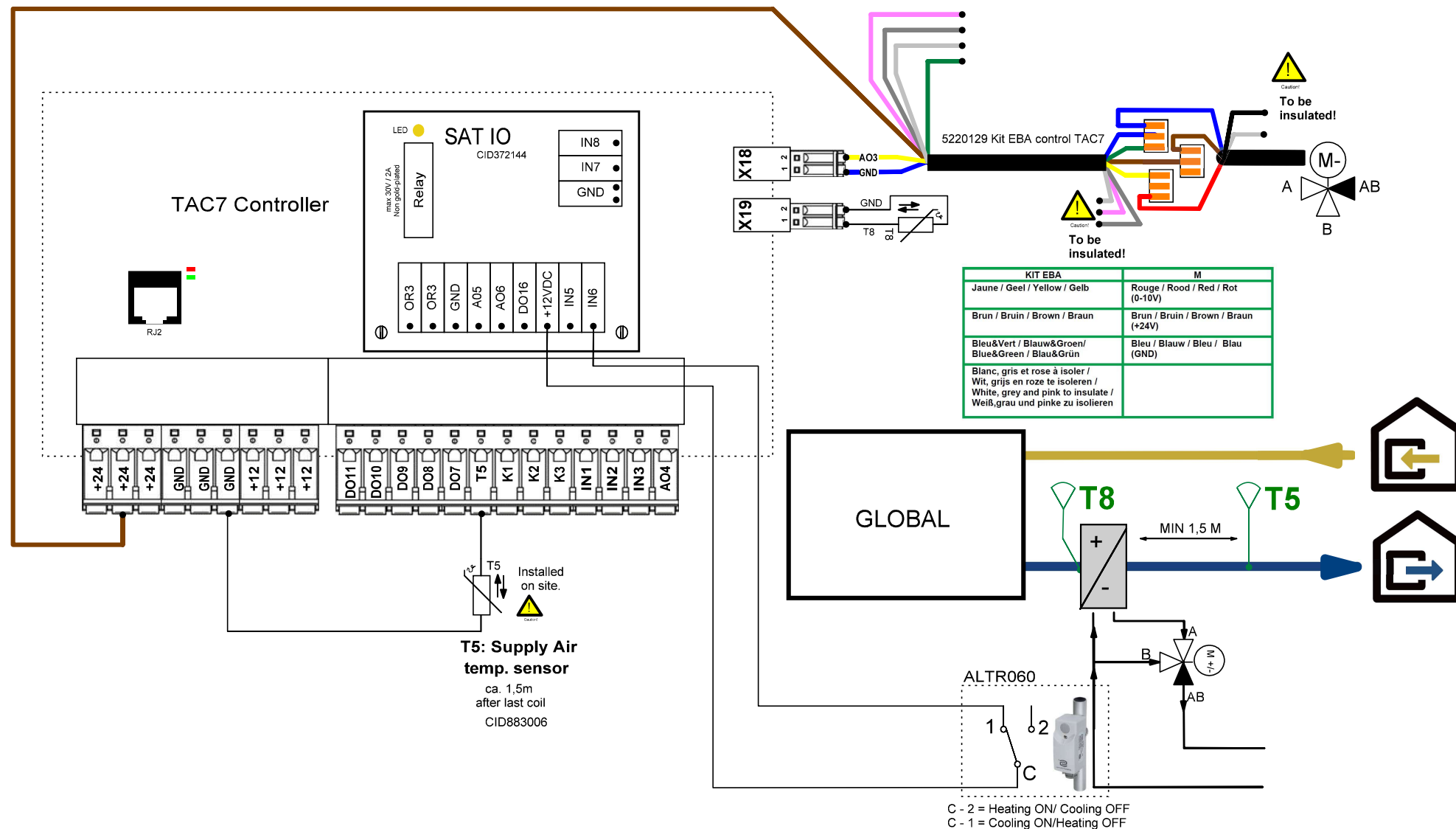
Changes			Name	Date	Configuration of function: Function Heat/Preheat/ Internal Electric Prehater (KWin)	Page
Name	Date	Draw.:	ola	03/10/2024		34
		check.:			Application: KWin Internal Electric Preheat	of 66
		Norm:				
Subject:	GLOBAL_ESENSA_Wiring TAC7.spl7					



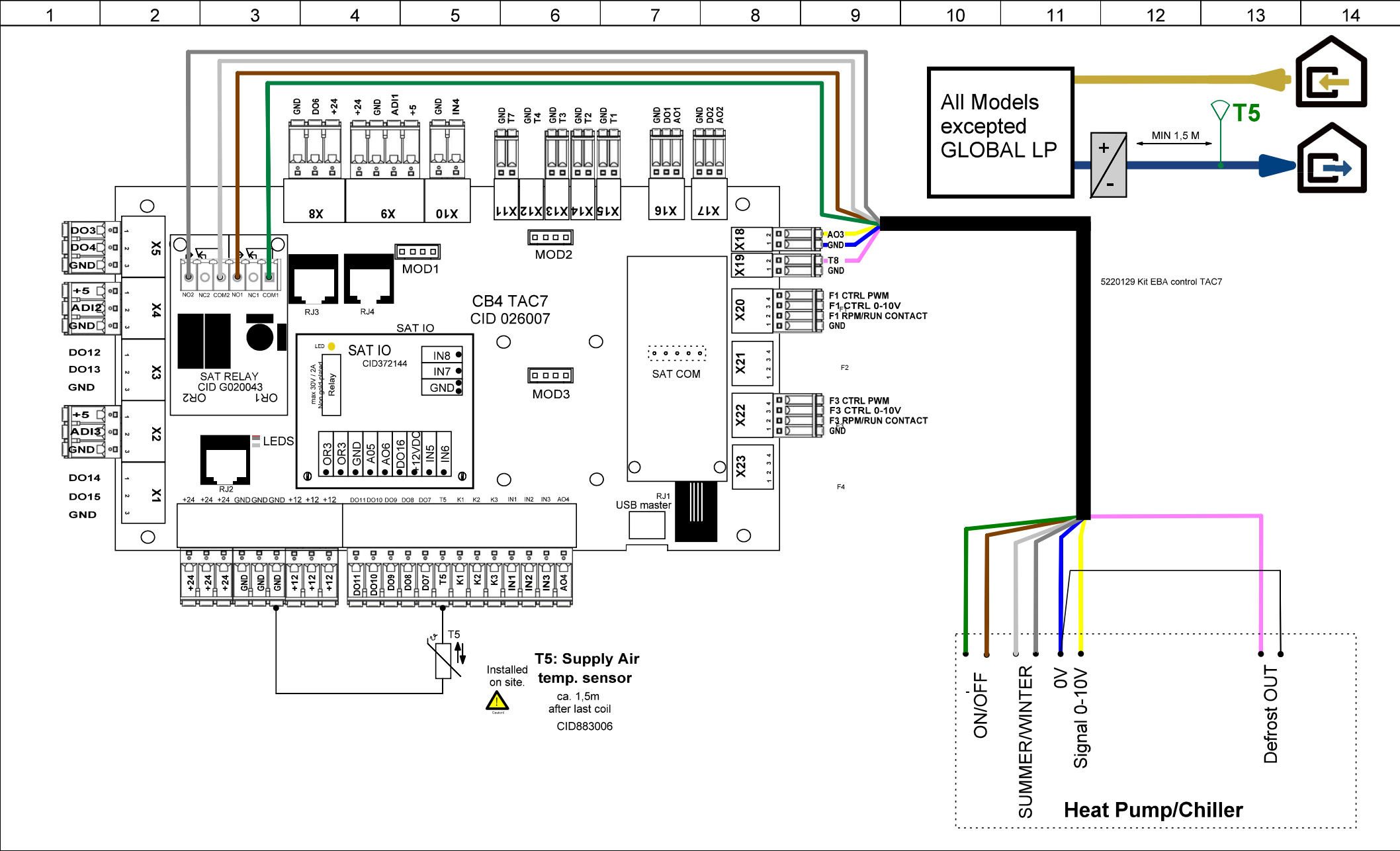
Changes			Name	Date	Configuration of function: Function Heat/Cool/ External Waterborne Reversible (EBA+-)	Page
Name	Date	Draw.:	ola	03/10/2024		36
		check.:				
		Norm:			Application: Reversible battery	of 66
Subject:	GLOBAL_ESENSA_Wiring TAC7.spl7					



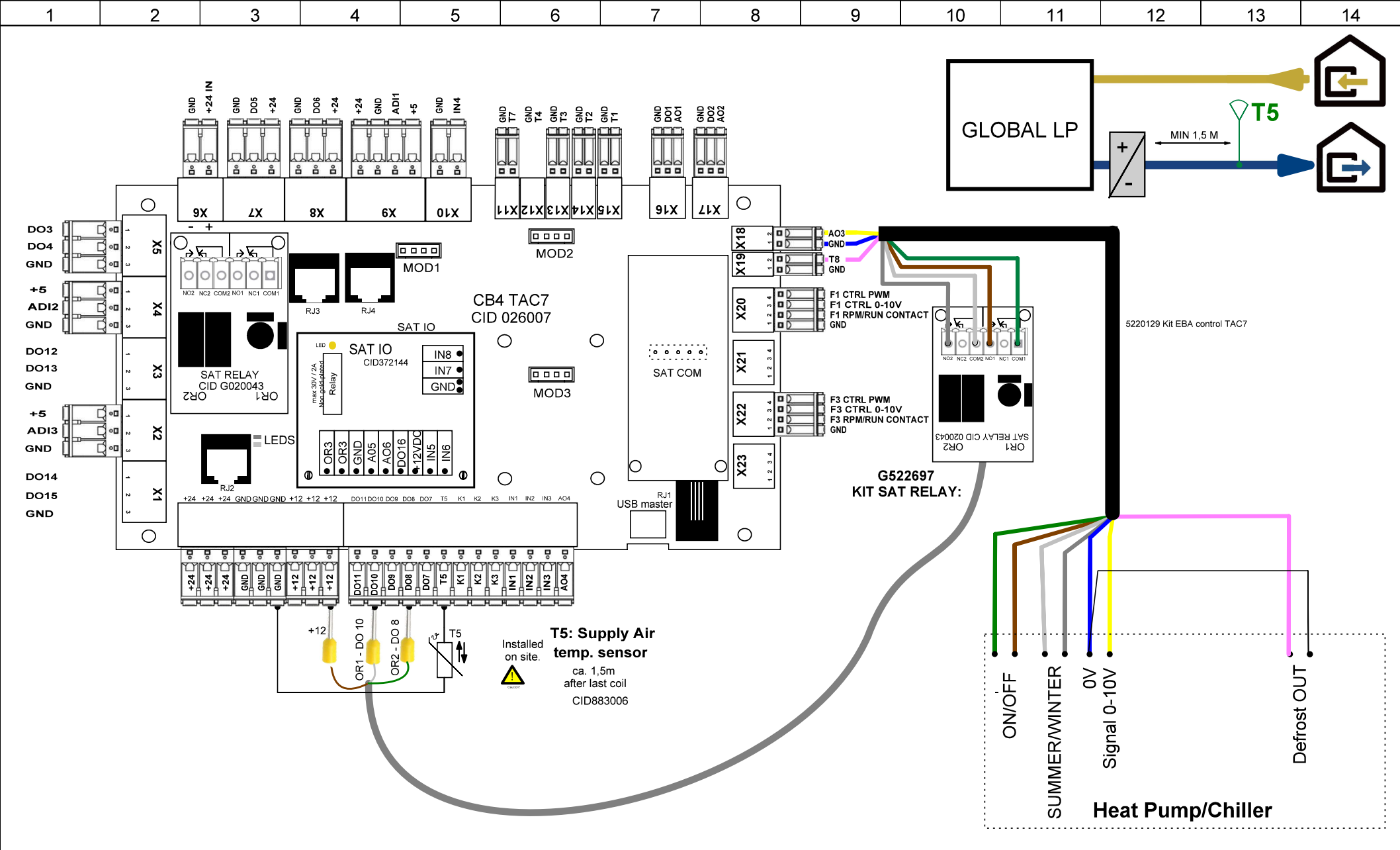
Changes			Name	Date	Configuration of function:	Page
Name	Date	Draw.:	ola	03/10/2024	Function Heat/Cool/ External Waterborne Reversible (EBA+-)	37
		check.:				
		Norm.:			Application:	of
Subject:	GLOBAL_ESENSA_Wiring TAC7.spl7				Reversible battery with 1 circulator	66



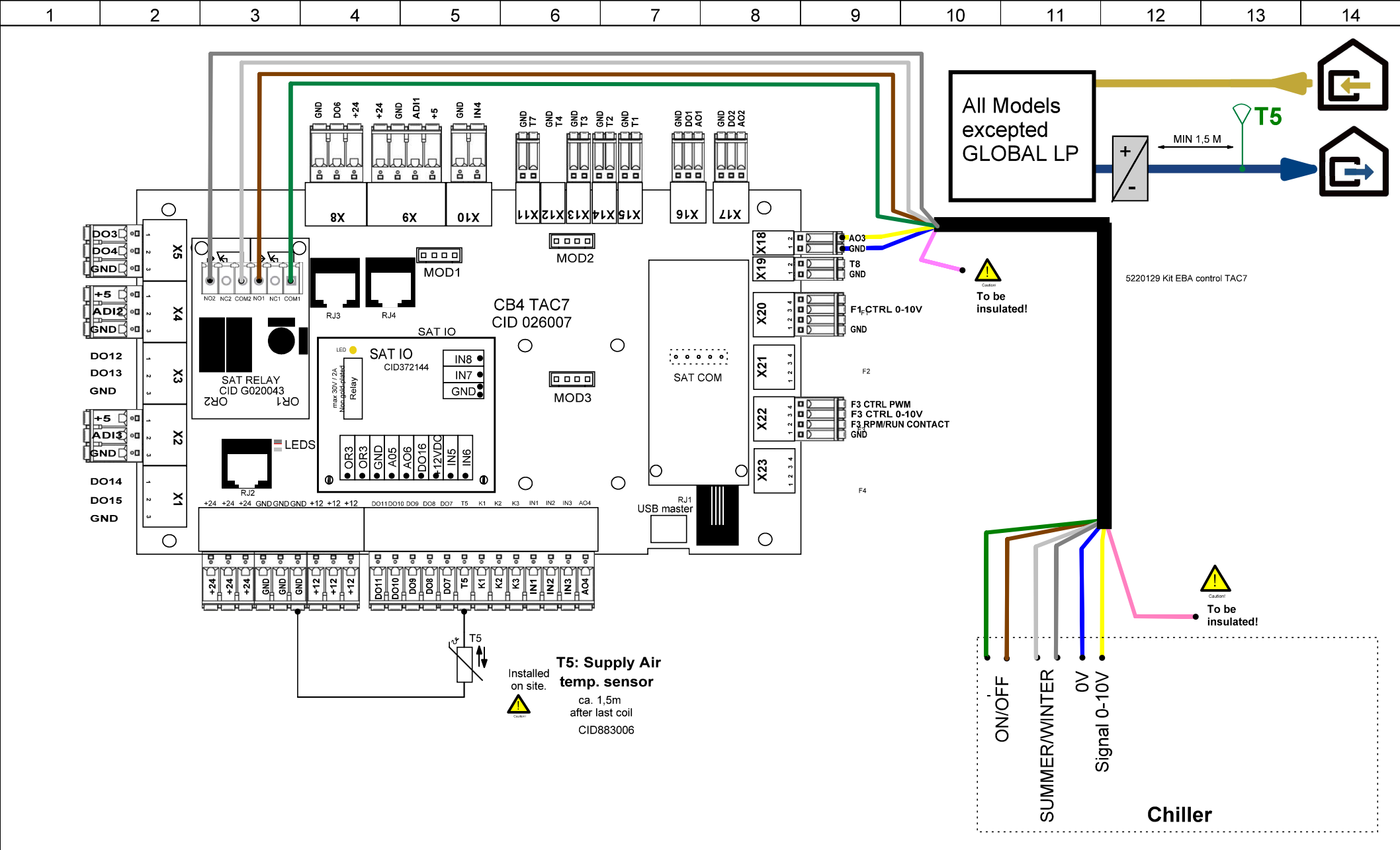
Changes			Name	Date	Configuration of function: Function Heat/Cool/ External Waterborne Reversible (EBA+-)	Page
Name	Date	Draw.:	ola	03/10/2024		38
		check.:				
		Norm:			Application: Reversible battery with 1 surface contact thermostat	of 66
Subject:	GLOBAL_ESENSA_Wiring TAC7.sp17					



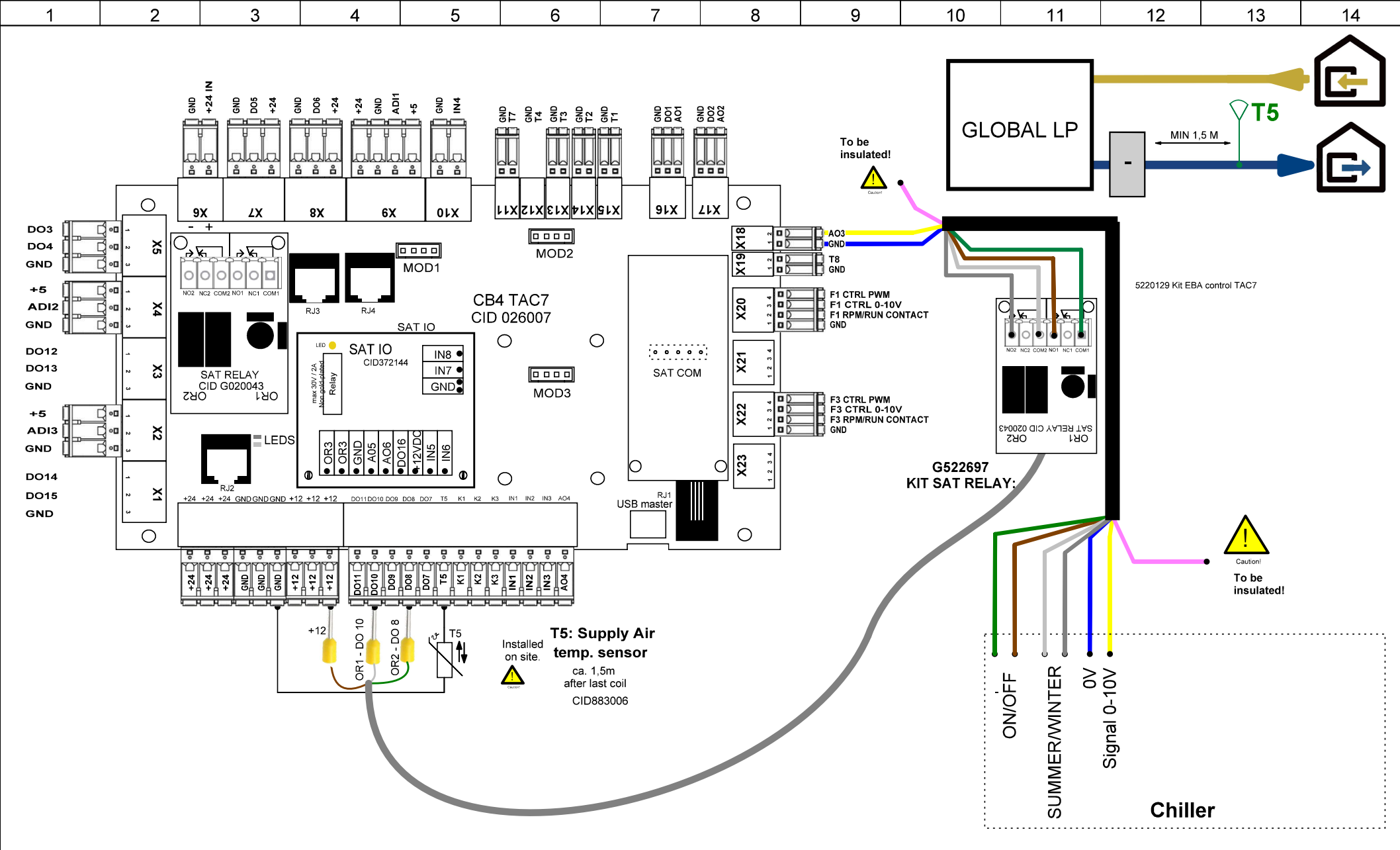
Changes			Name	Date	Configuration of function:	Page
Name	Date	Draw.:	msg	22/10/2024	Function Heat/Re-heat/Heat pump	39
		check.:			Function Cool/Settings/Chiller	
		Norm.:			Function Heat / Cool/Settings/Heat pump and Chiller	
Subject:	GLOBAL_ESENSA_Wiring TAC7.sp17				Application:	of
					Heat pump/Chiller	66



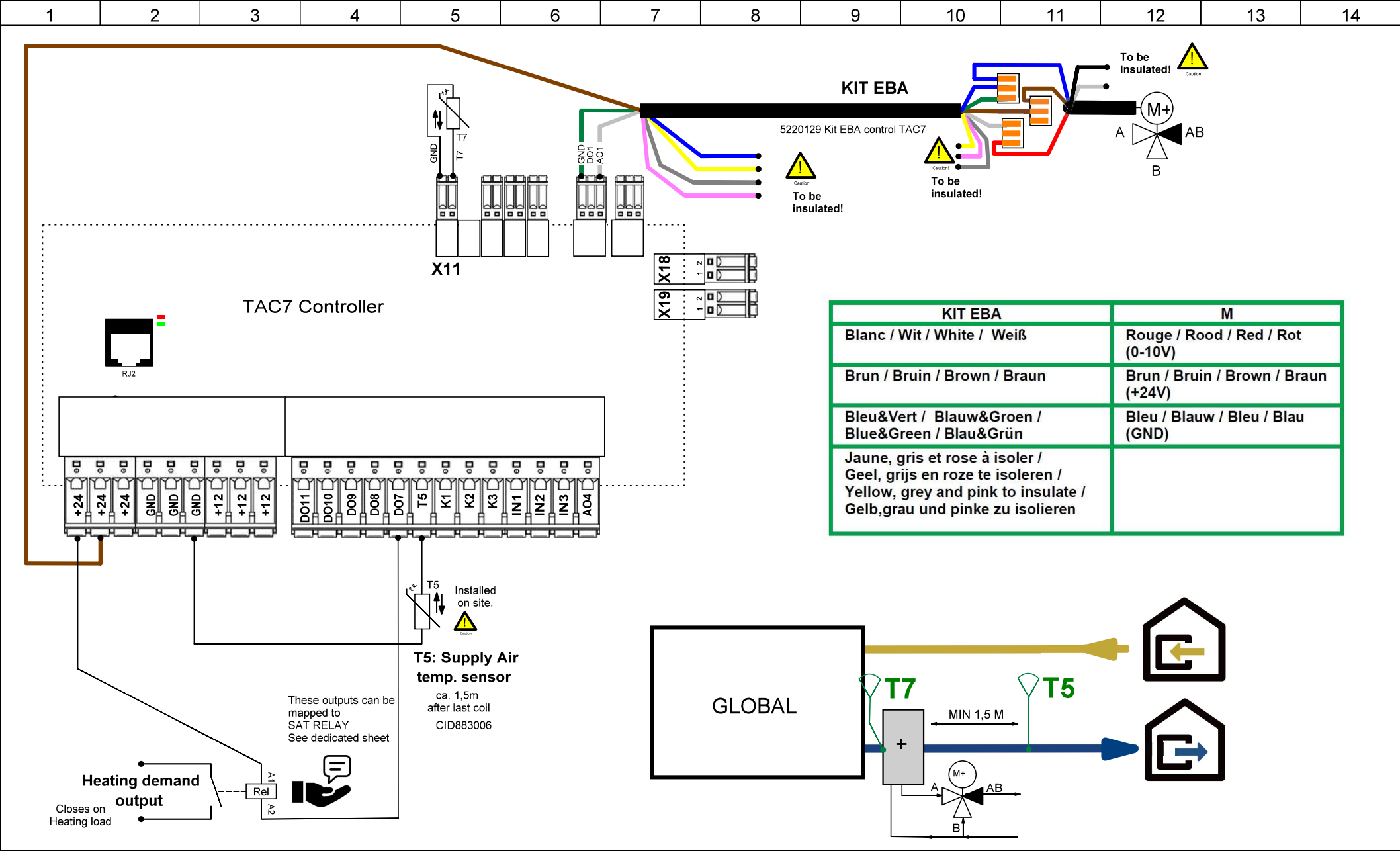
Changes				Name	Date	Configuration of function:	Page
Name	Date	Draw.:	msg		22/10/2024	Function Heat / Cool/Settings/Heat pump and Chiller	40
		check.:					
		Norm.:				Application:	of
Subject:	GLOBAL_ESENSA_Wiring TAC7.sp17					Heat pump/Chiller	66



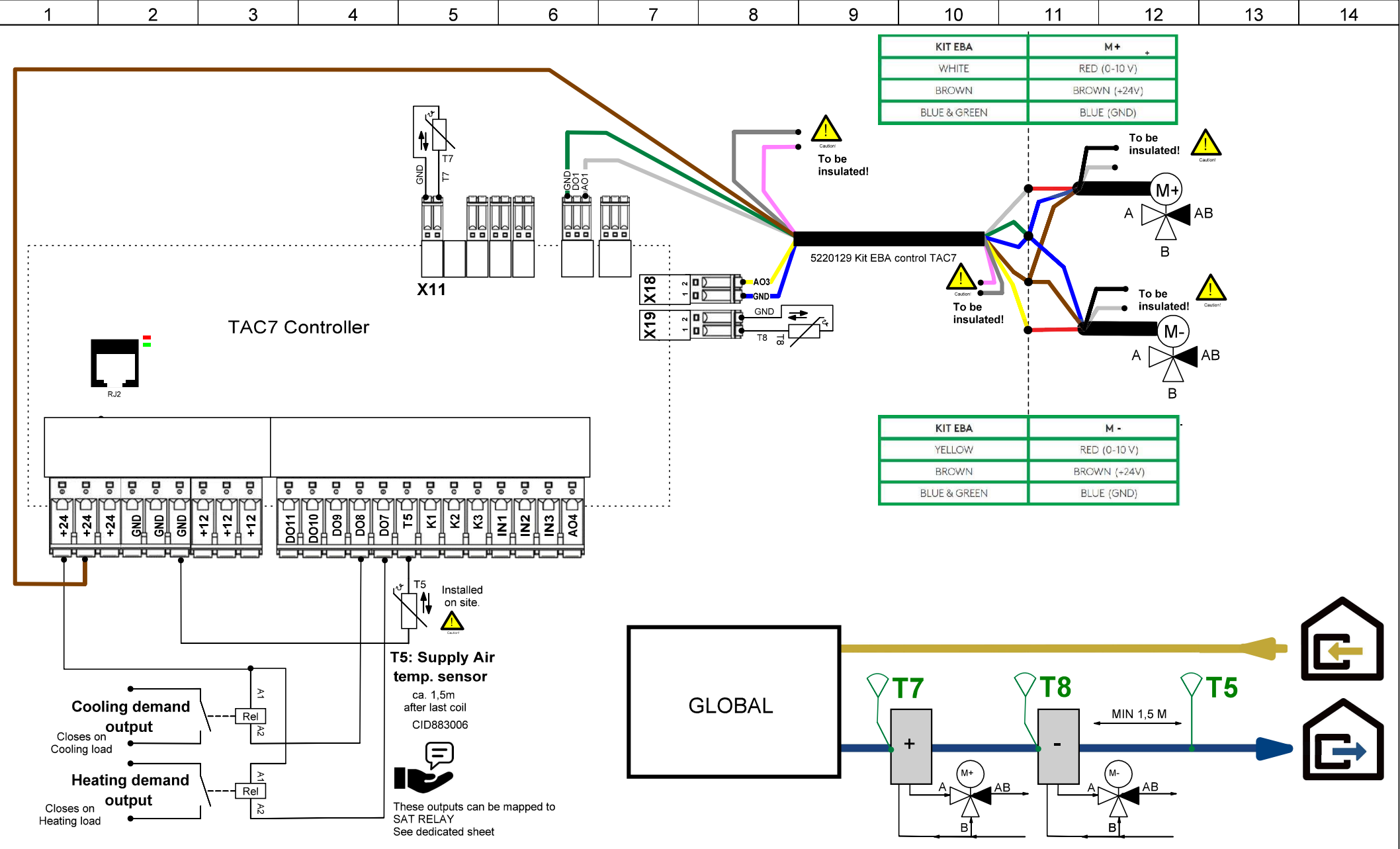
Changes		Name		Date	Configuration of function: Function Cool/Settings/Chiller	Page
Name	Date	Draw.:	msg	22/10/2024		41
		check.:			Application: Chiller	of
Subject:	GLOBAL_ESENSA_Wiring TAC7.spl7					66



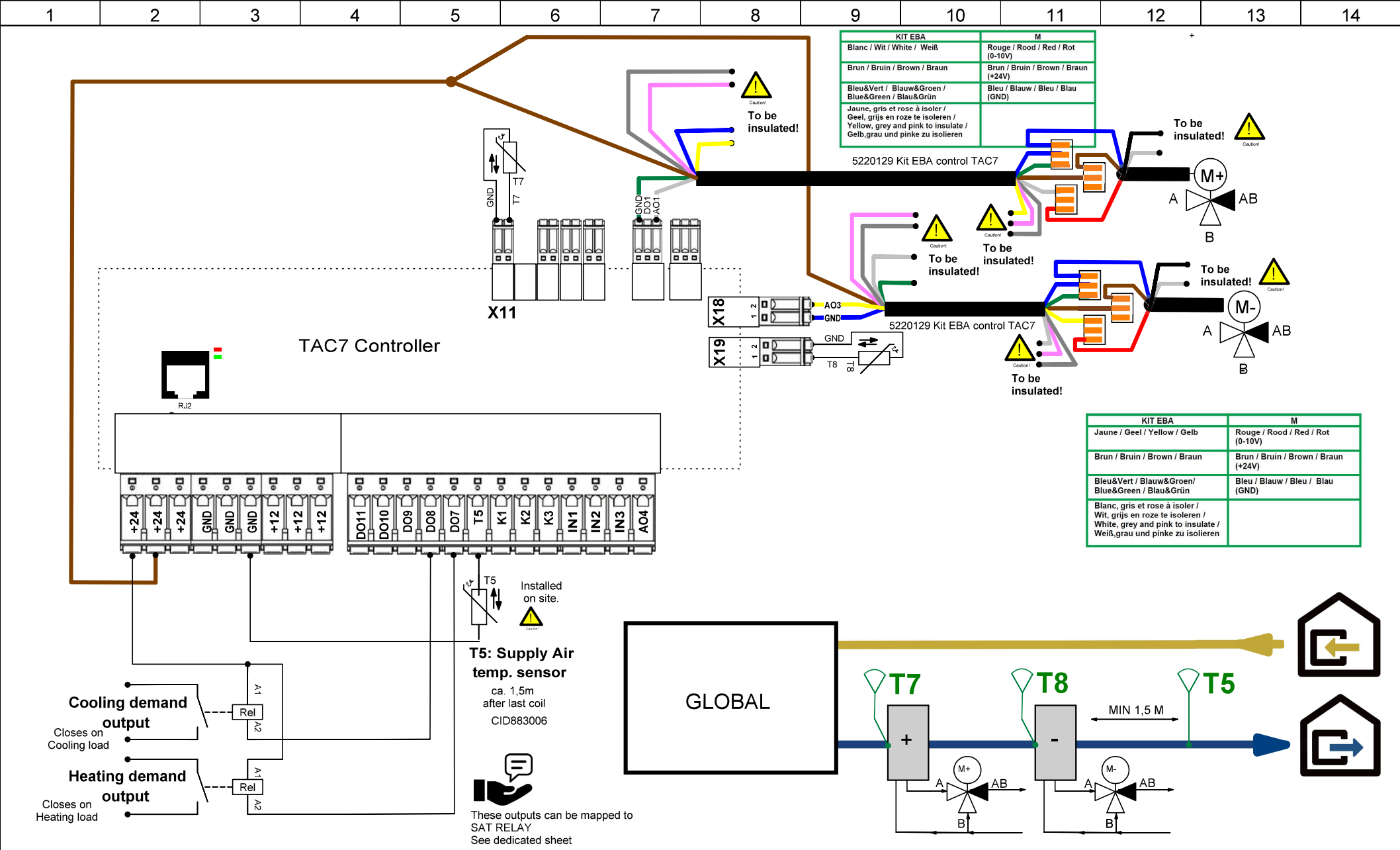
Changes			Name	Date	Configuration of function:	Page
Name	Date	Draw.:	msg	22/10/2024	Function Cool/Settings/Chiller	42
		check.:				
		Norm.:			Application:	of
Subject:	GLOBAL_ESENSA_Wiring TAC7.sp17				Heat pump/Chiller	66



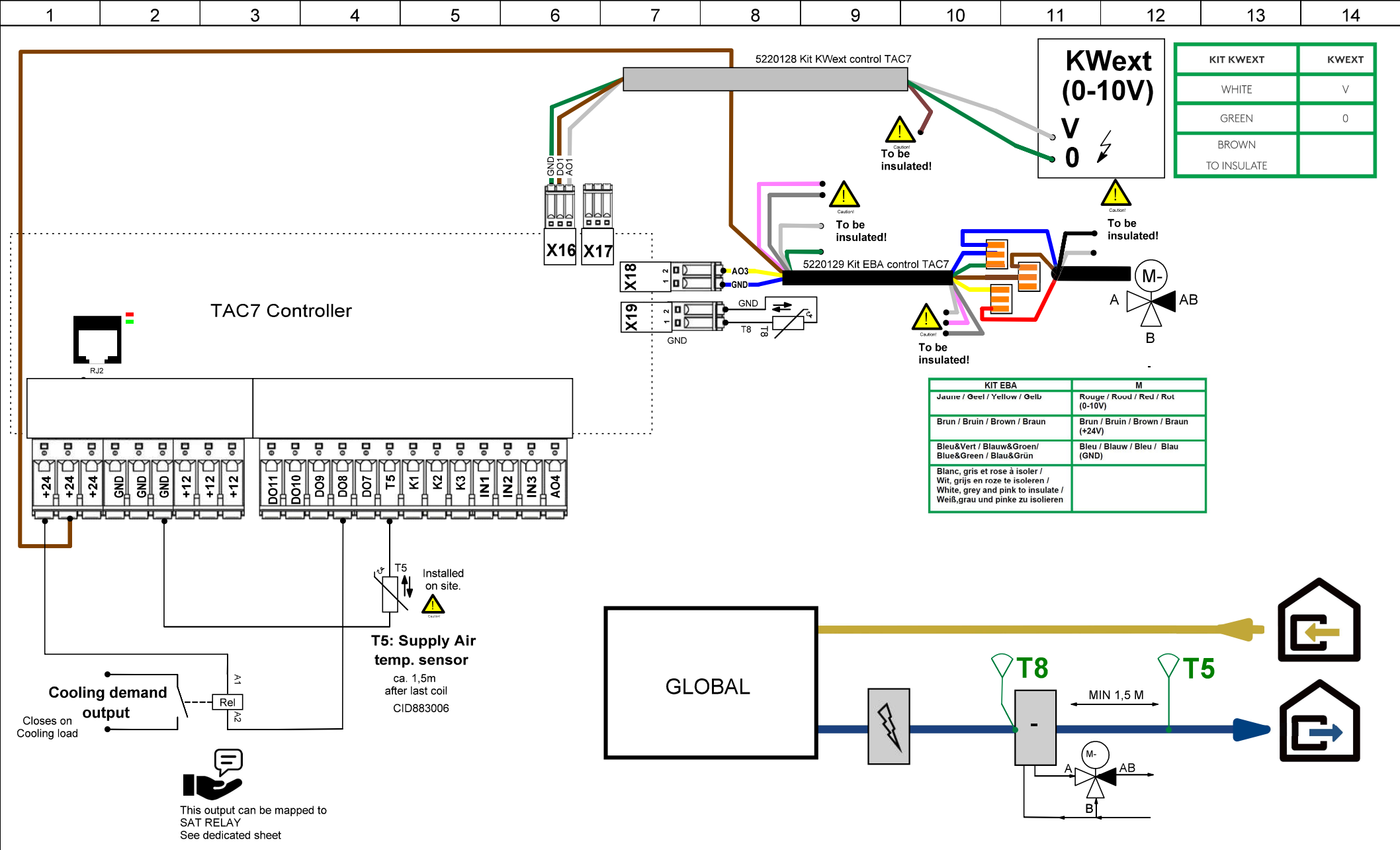
Changes			Name	Date	Configuration of function:	Page
Name	Date	Draw.:	ola	03/10/2024	Function Heat/Reheat/ External Waterborne Reheater (EBA+)	43
		check.:				
		Norm:			Application: External heating coil	of
Subject:	GLOBAL_ESENSA_Wiring TAC7.spl7					66



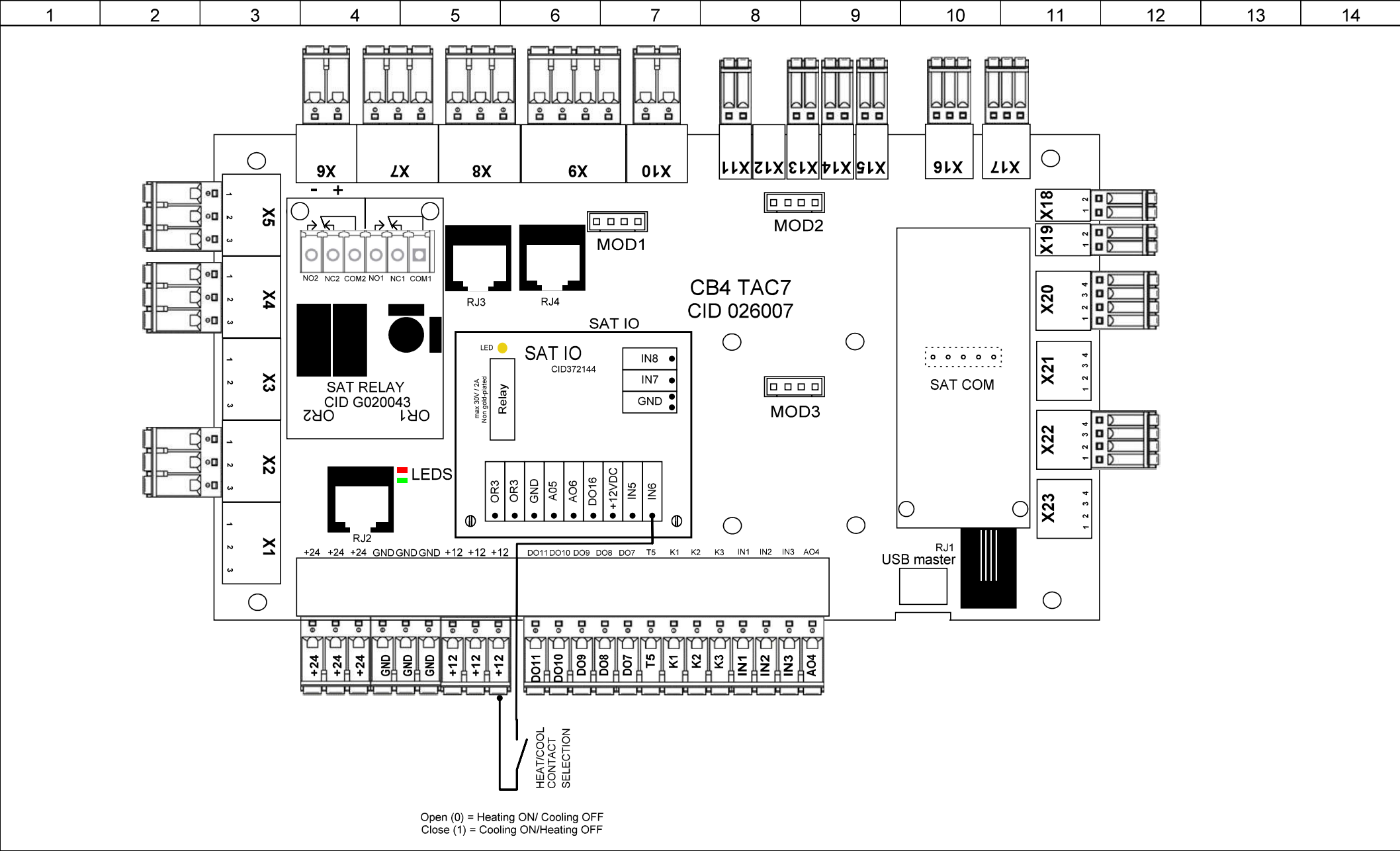
Changes		Name	Date	Configuration of function:	Page
Name	Date	Draw.:	ola	Function Heat/Reheat/External Waterborne Rehater (EBA+)	44
		check.:		& Function Cool/Settings/External Waterborne Recooler (EBA-)	
		Norm.:		Application:	of 66
Subject:	GLOBAL_ESENSA_Wiring TAC7.spl7			Ext. heating & Ext. Cooling 1 (use of 1 EBA cable)	



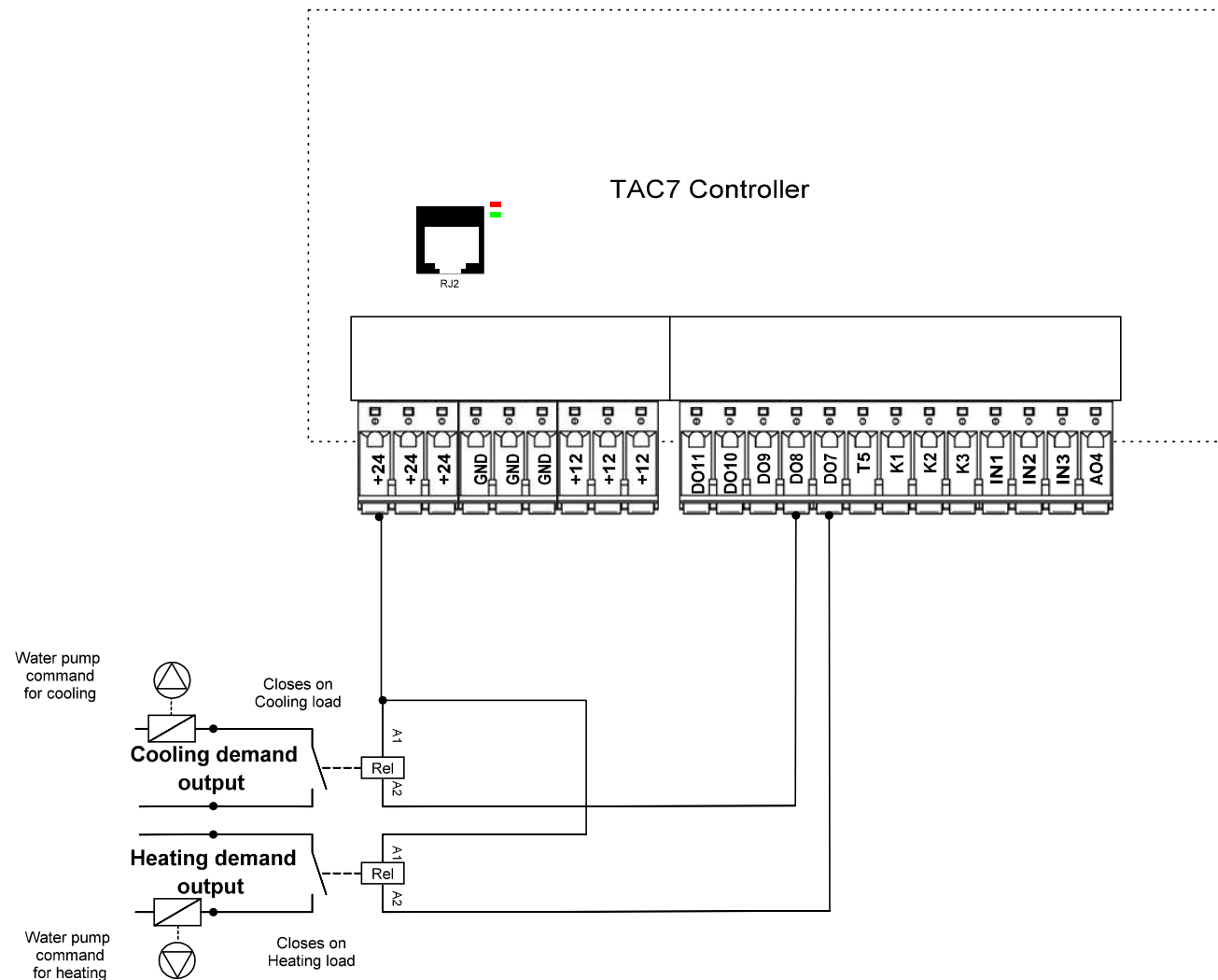
Changes		Name		Date	Configuration of function: Function Heat/Reheat/External Electric Rehater (KWext) & Function Cool/Settings/External Waterborne Recooler (EBA-)	Page
Name	Date	Draw.:	ola	03/10/2024		45
		check.:			Application: Ext. heating & Ext. Cooling 2 (use of 2 EBA cables)	of
Subject:	GLOBAL_ESENSA_Wiring TAC7.spl7					66



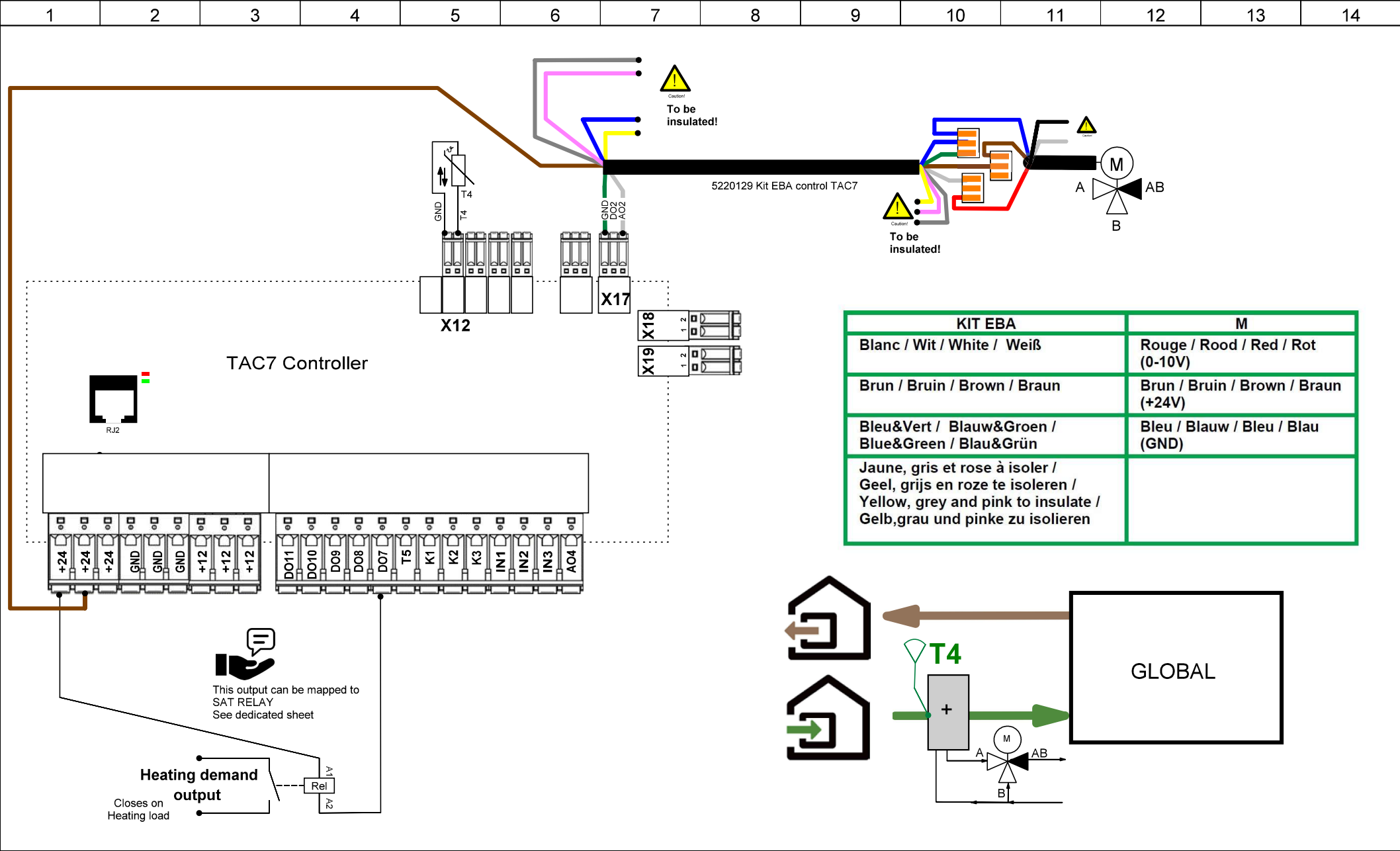
Changes			Name	Date	Configuration of function:	Page
Name	Date	Draw.:	ola	04/10/2024	Function Heat/Reheat/Internal Electric Rehater (KWout - 0-10V) & Function Cool/Settings/External Waterborne Recooler (EBA-)	47
		check.:				
		Norm:			Application: Ext.elec. 0-10V & Ext. cool	of
Subject:	GLOBAL_ESENSA_Wiring TAC7.spl7					66



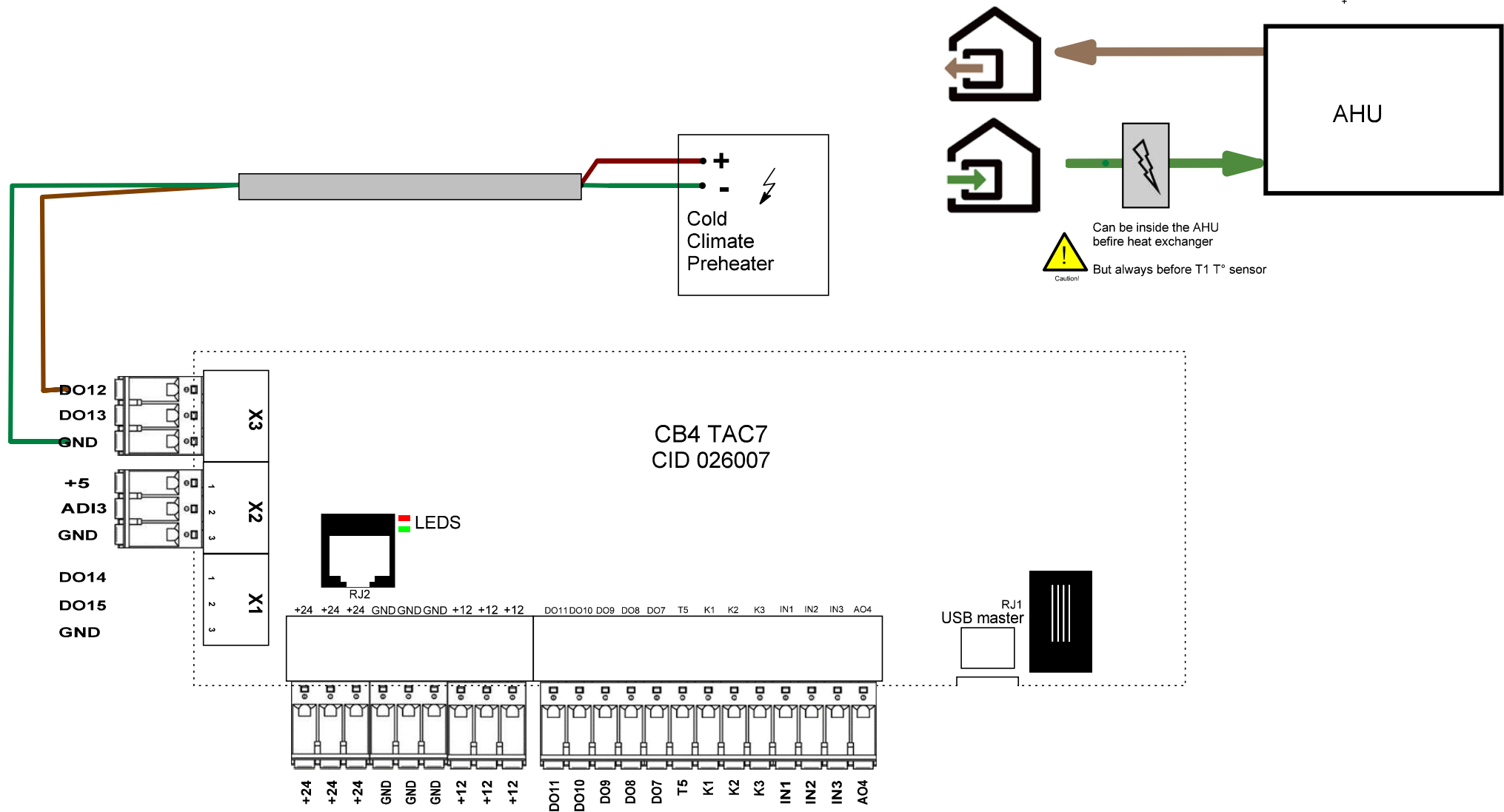
Changes			Name	Date	Selection of heating/cooling in presence of postheater/postcooler. In alternative to heat/cool selection via: - TACtouch Function Temperature/Regulation mode - Automatic changeover - BMS heat/cool selection control	Page
Name	Date	Draw.:	ola	04/10/2024		48
		check.:				
		Norm:			Application: HEAT/COOL CONTACT SELECTION	of 66
Subject:	GLOBAL_ESENSA_Wiring TAC7.spl7					



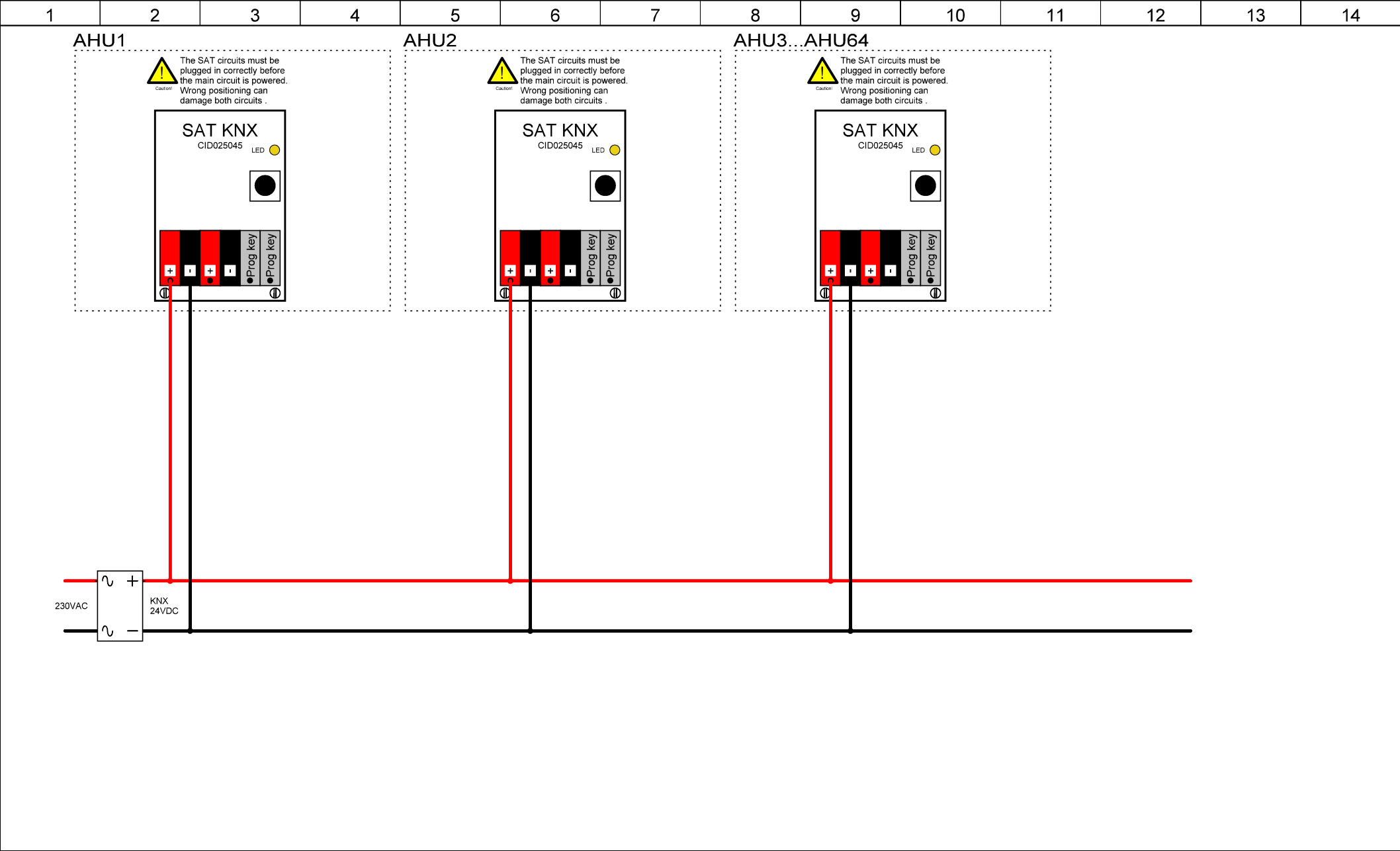
Changes			Name	Date	Configuration of function:	Page
Name	Date	Draw.:	ola	04/10/2024		49
		check.:				
		Norm:				Application:
Subject:	GLOBAL_ESENSA_Wiring TAC7.spl7				Circulator pump (with hydraulic coils)	of 66

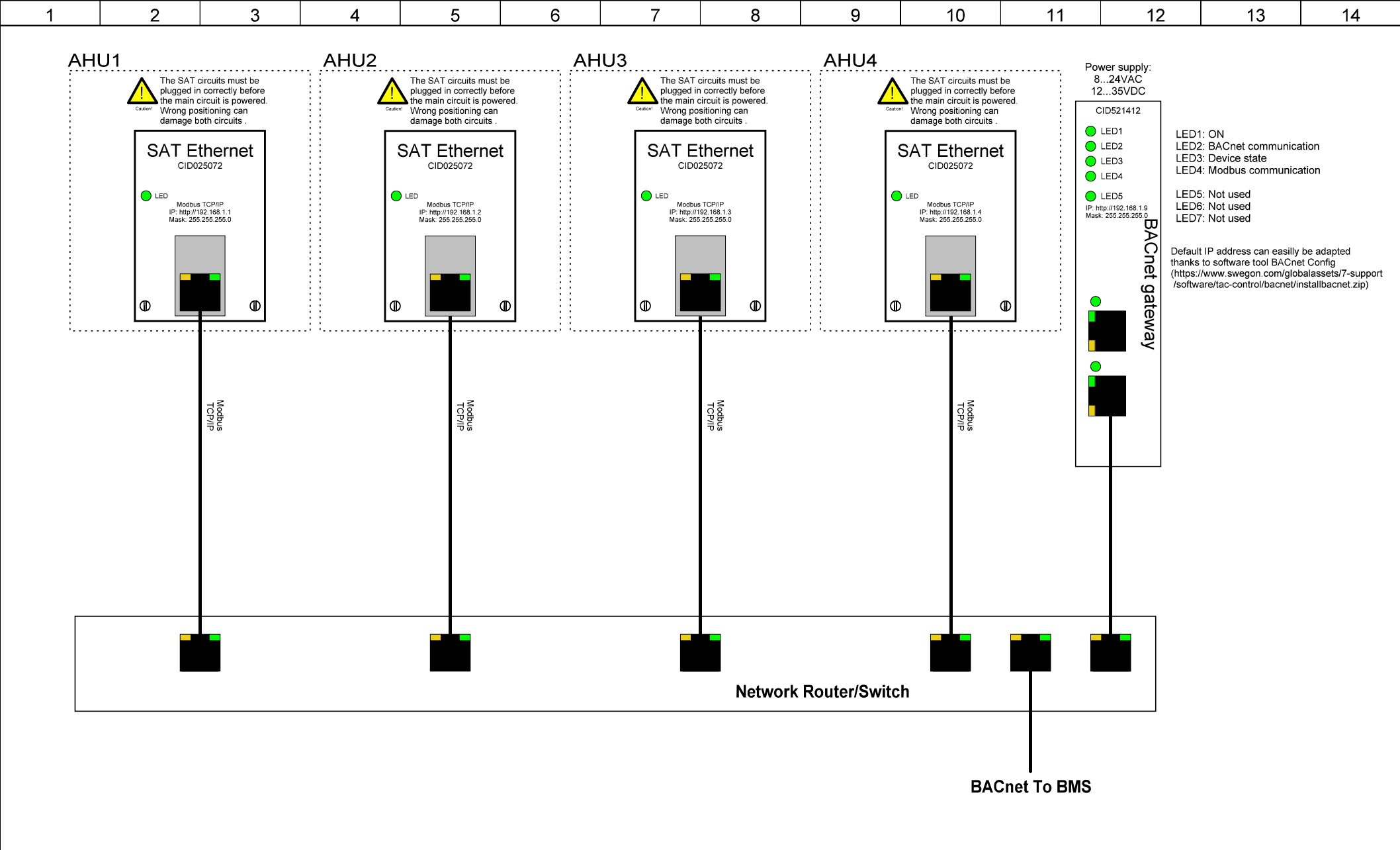


Changes			Name	Date	Configuration of function: Function Heat/Preheat/ External Waterborne Prehater (EBAin)	Page
Name	Date	Draw.:	ola	04/10/2024		50
		check.:			Application: External Hydraulic Preheater	of
		Norm:				66
Subject:	GLOBAL_ESENSA_Wiring TAC7.spl7					

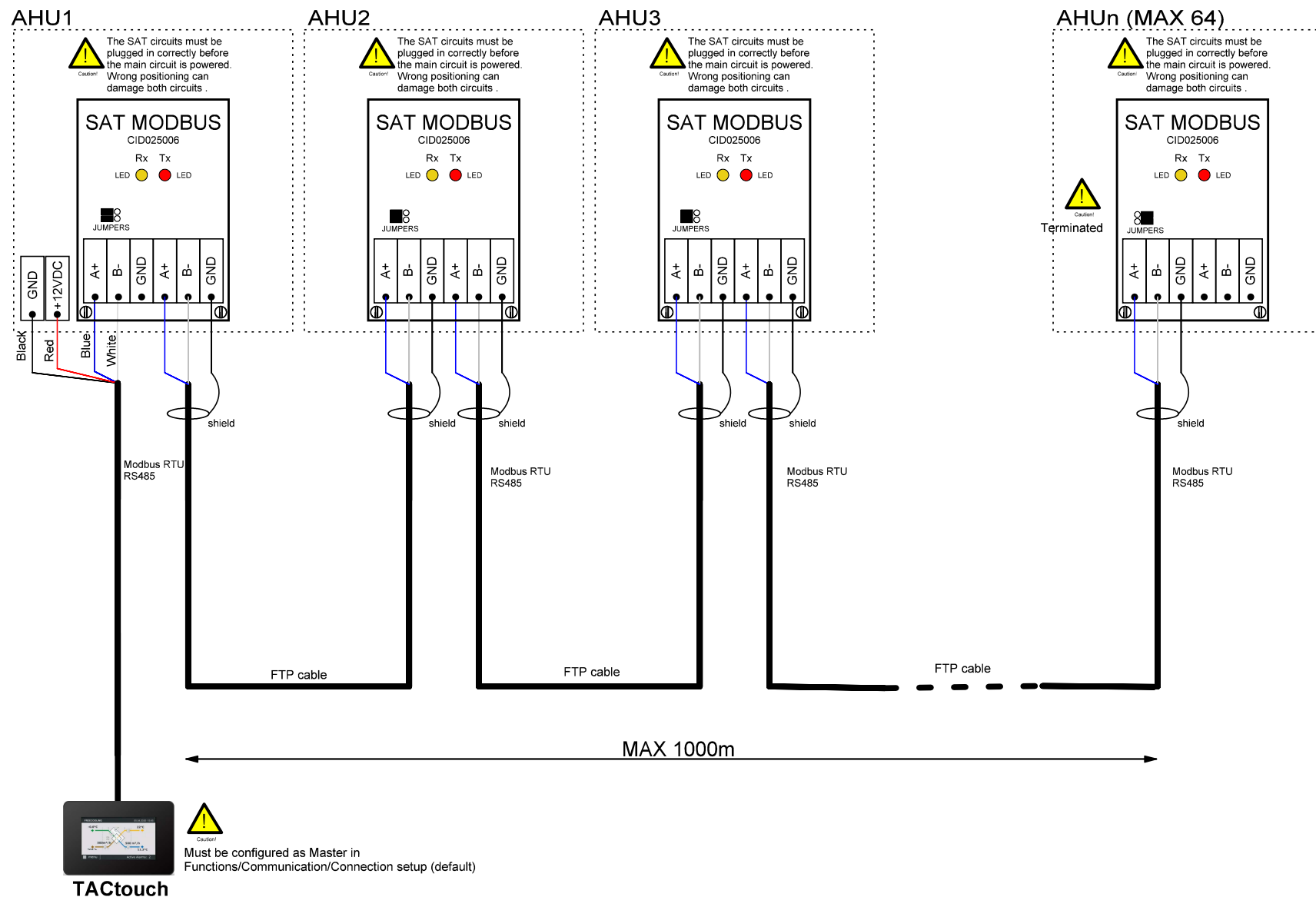


Changes			Name	Date	Configuration of function: Function Heat/Cold Climate Preheater	Page
Name	Date	Draw.:	msg	17/10/2024		51
		check.:				
		Norm:			Application: Cold Climate Preheater	of 66
Subject:	GLOBAL_ESENSA_Wiring TAC7.spl7					

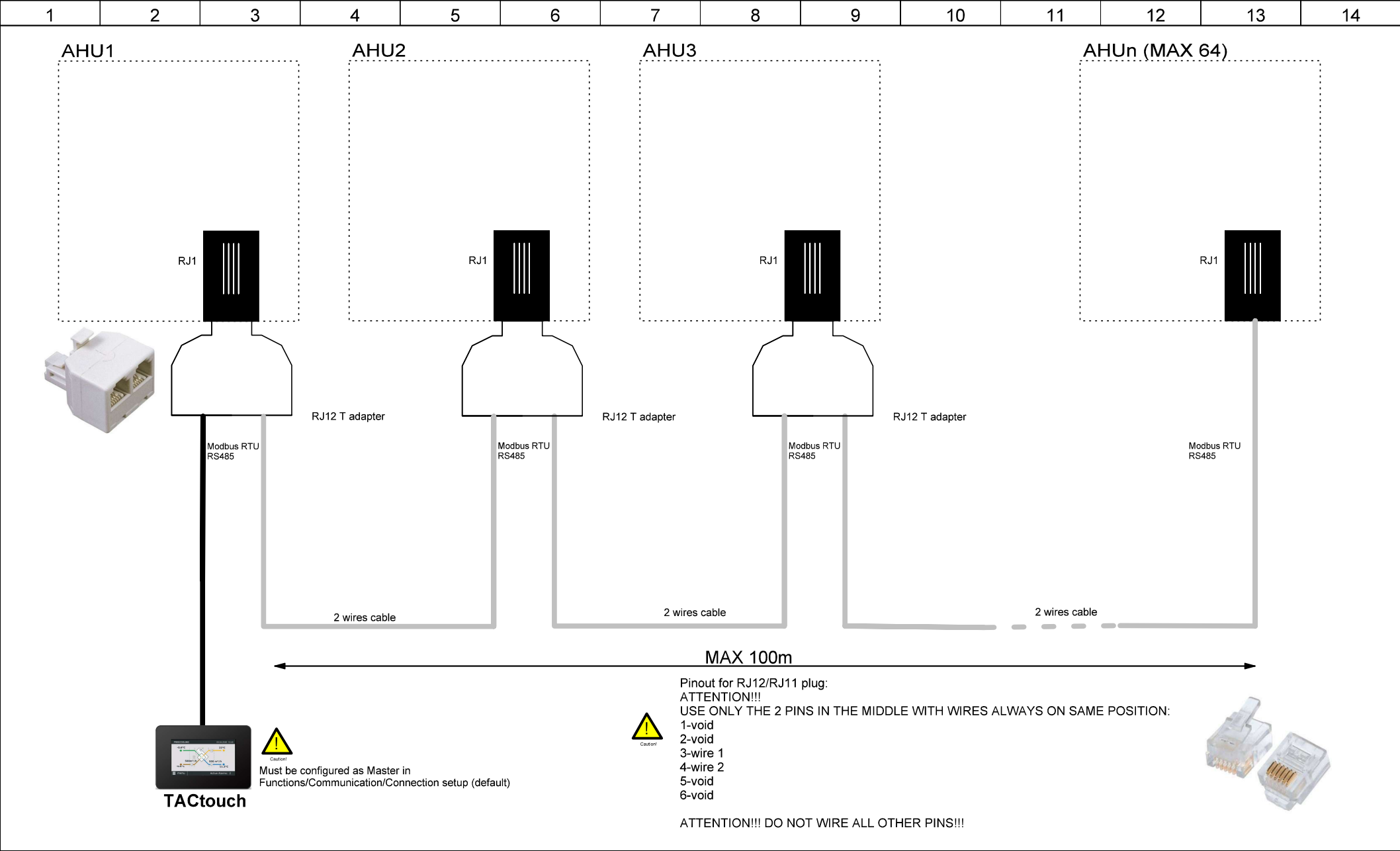




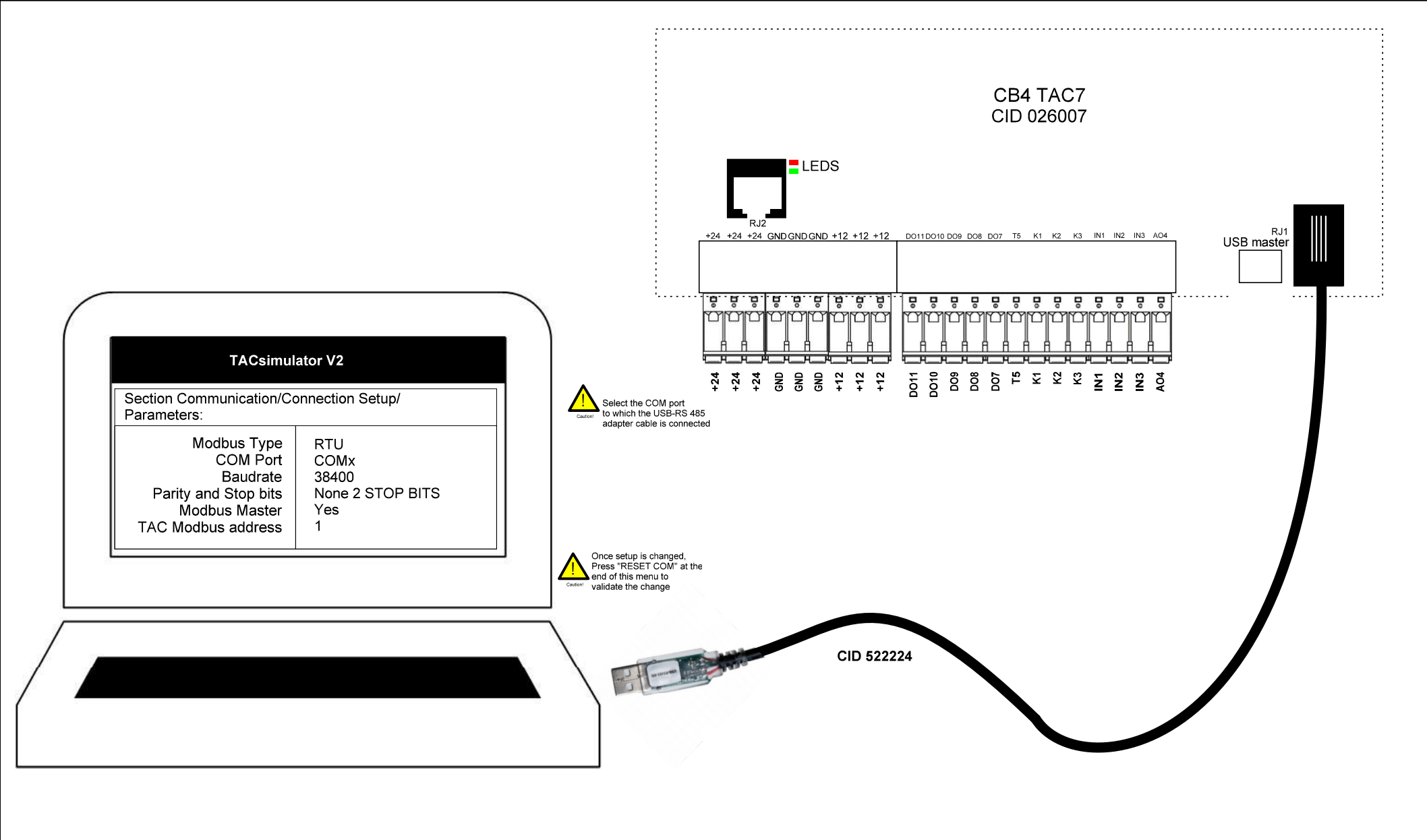
Changes			Name	Date	Configuration of function: Function Communication/SAT LAN configuration	Page
Name	Date	Draw.:	msg	17/10/2024		54
		check.:				
		Norm:			Application: BACnet	of
Subject:	GLOBAL_ESENSA_Wiring TAC7.spl7					66

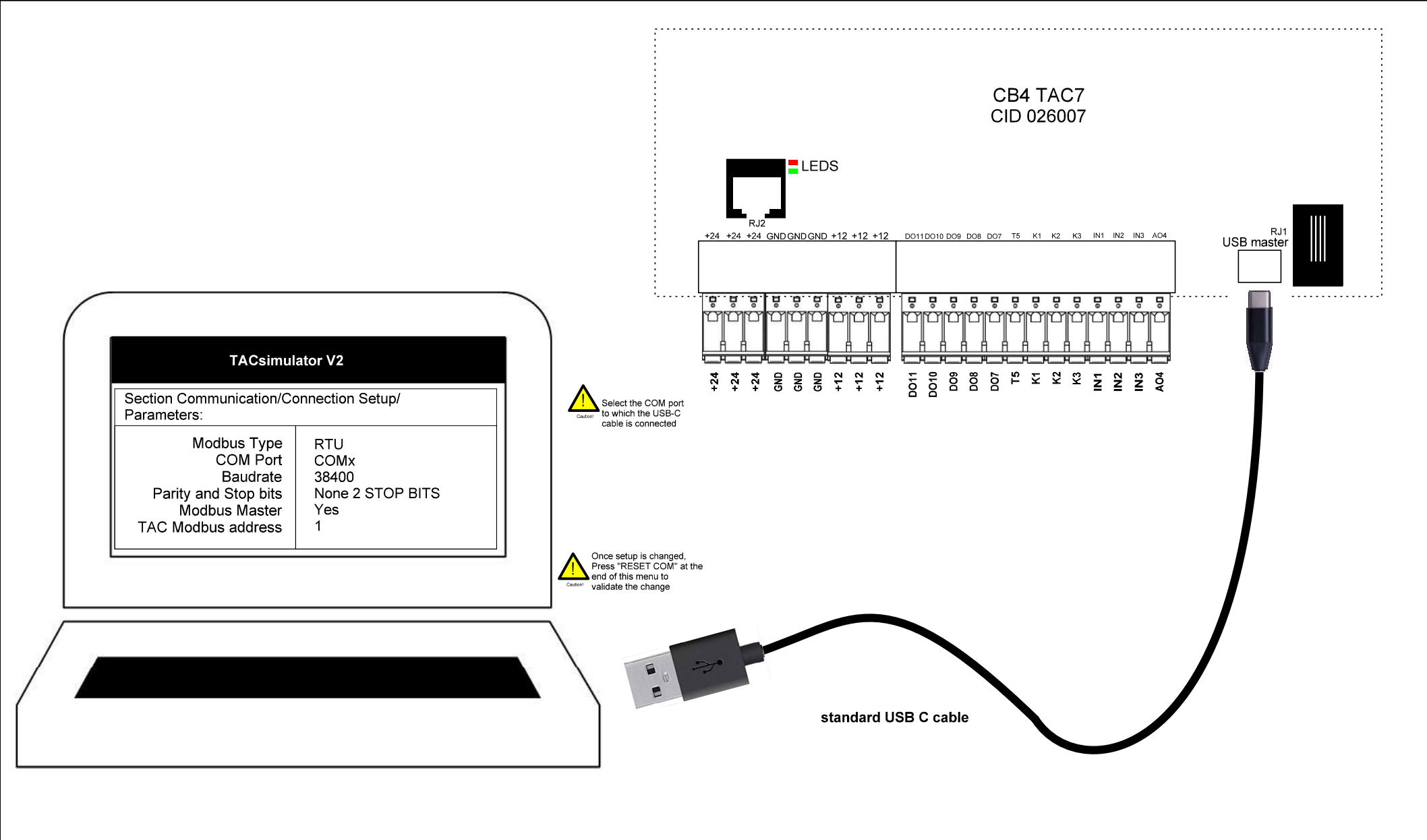


Changes			Name	Date	Configuration of function: Function Communication/Connection Setup Function Network	Page
Name	Date	Draw.:	msg	17/10/2024		55
		check.:			Application: TACtouch centralised	of 66
		Norm:				
Subject:	GLOBAL_ESENSA_Wiring TAC7.spl7					

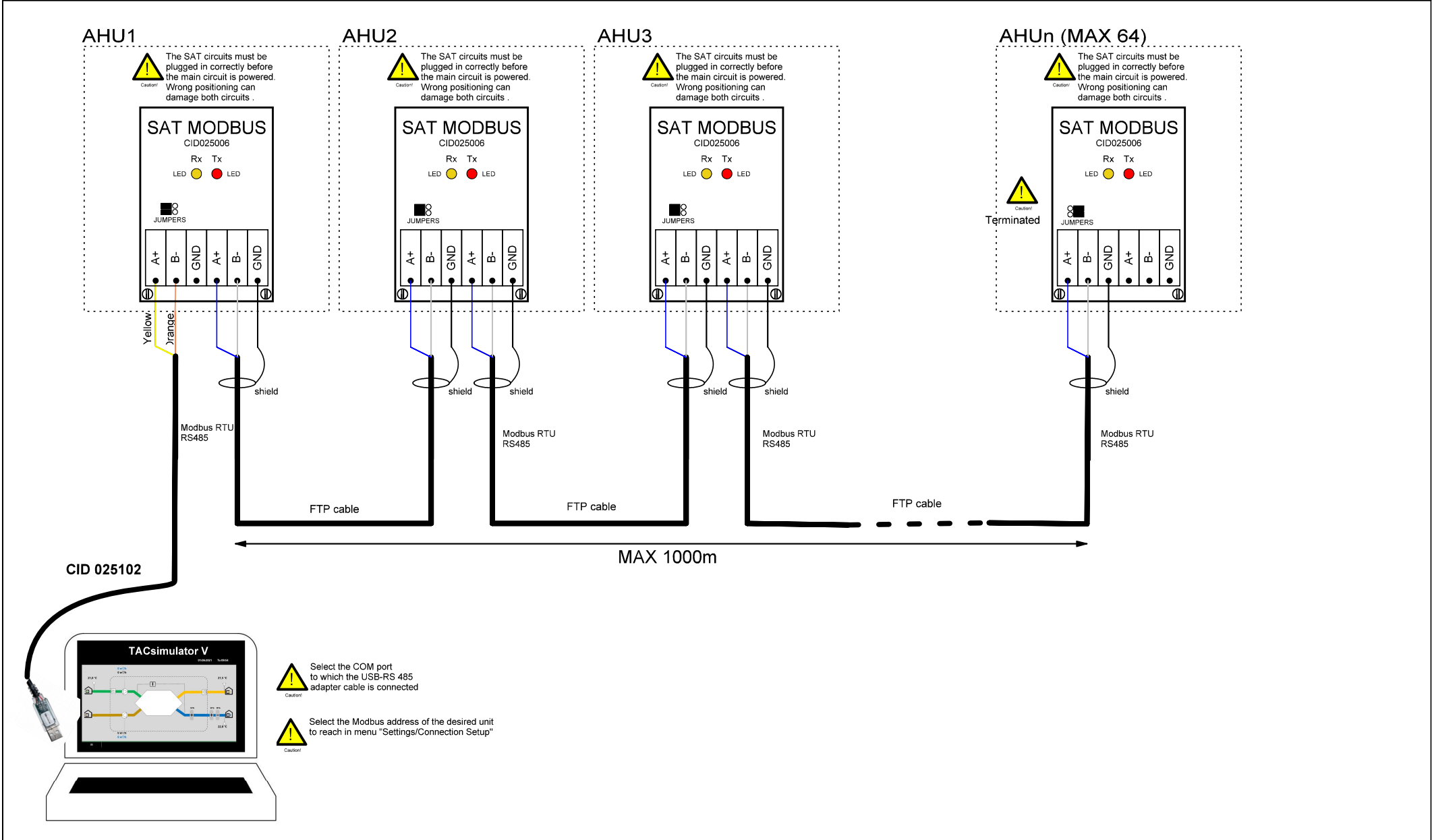


Changes			Name	Date	Configuration of function: Function Communication/Connection Setup Function Network	Page
Name	Date	Draw.:	msg	17/10/2024		56
		check.:				
		Norm:			Application: TACtouch centralised short	of
Subject:	GLOBAL_ESENSA_Wiring TAC7.spl7					66

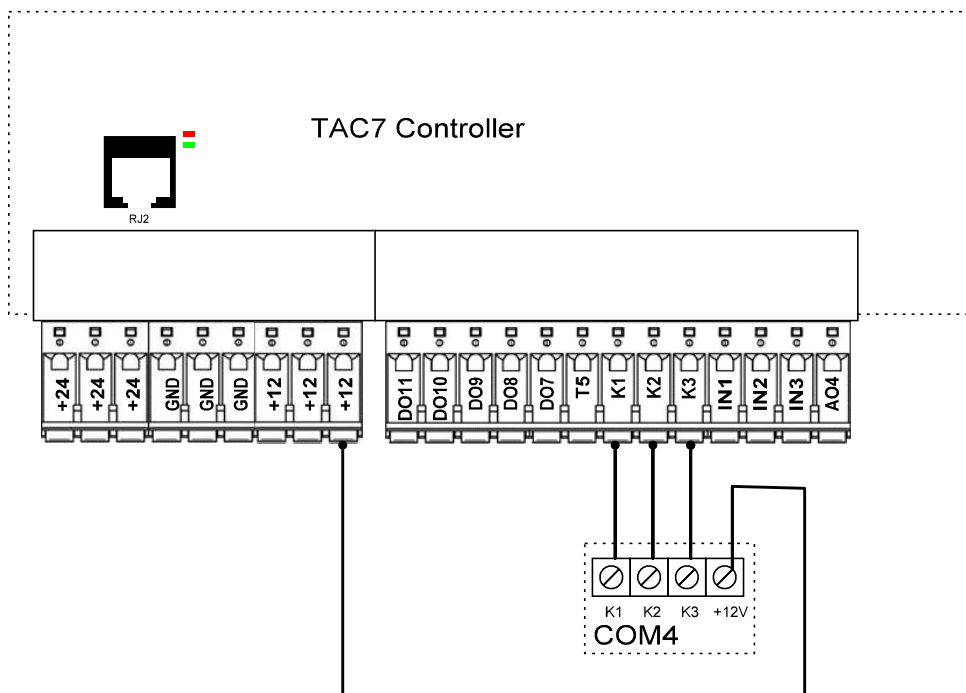


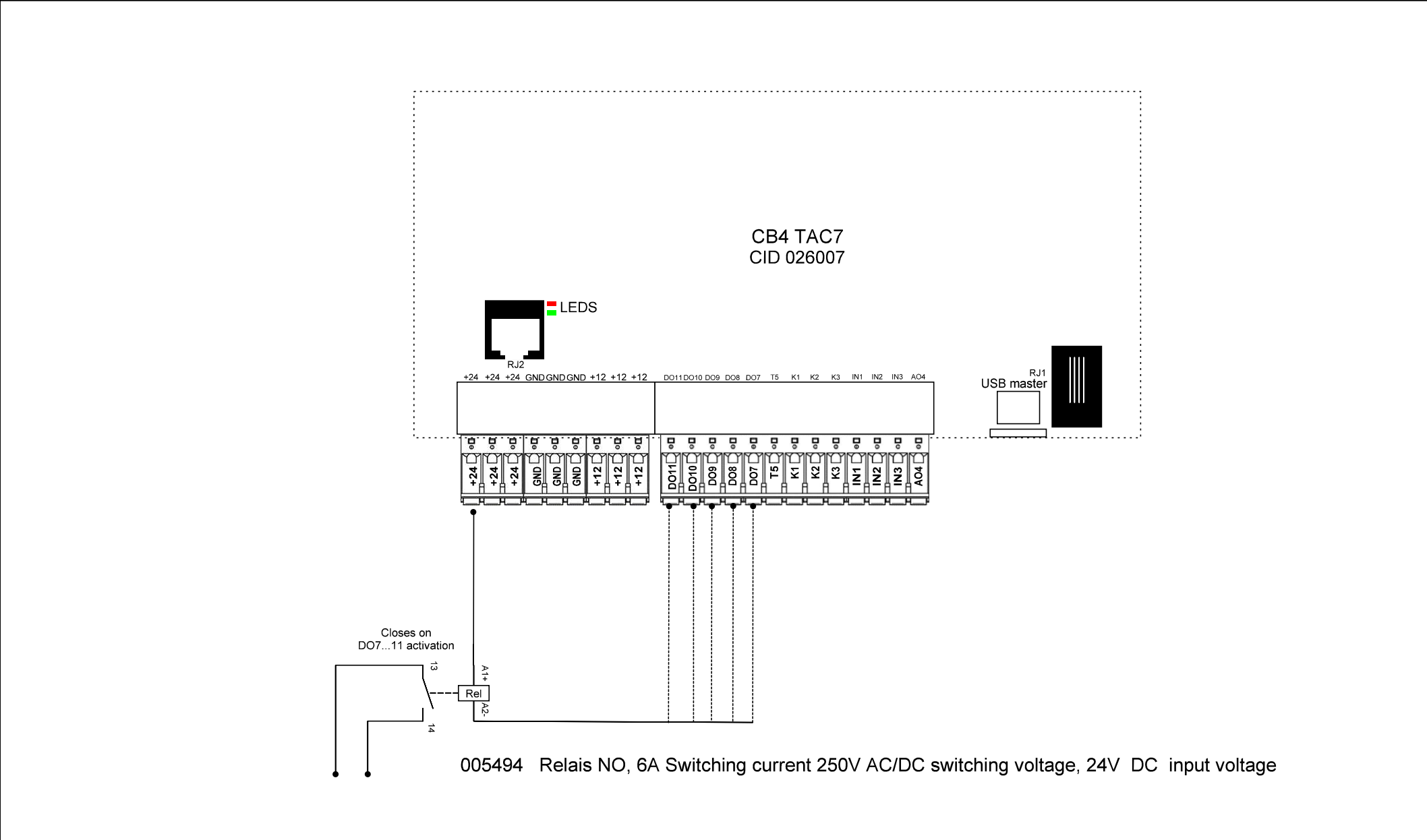


Changes			Name	Date	From version TAC7 v1.0.10.66	Page
Name	Date	Draw.:	msg	06/05/2025		58
		check.:				
		Norm:			Application: Software HMI+USB C	of 66
Subject:	GLOBAL_ESENSA_Wiring TAC7.spl7					

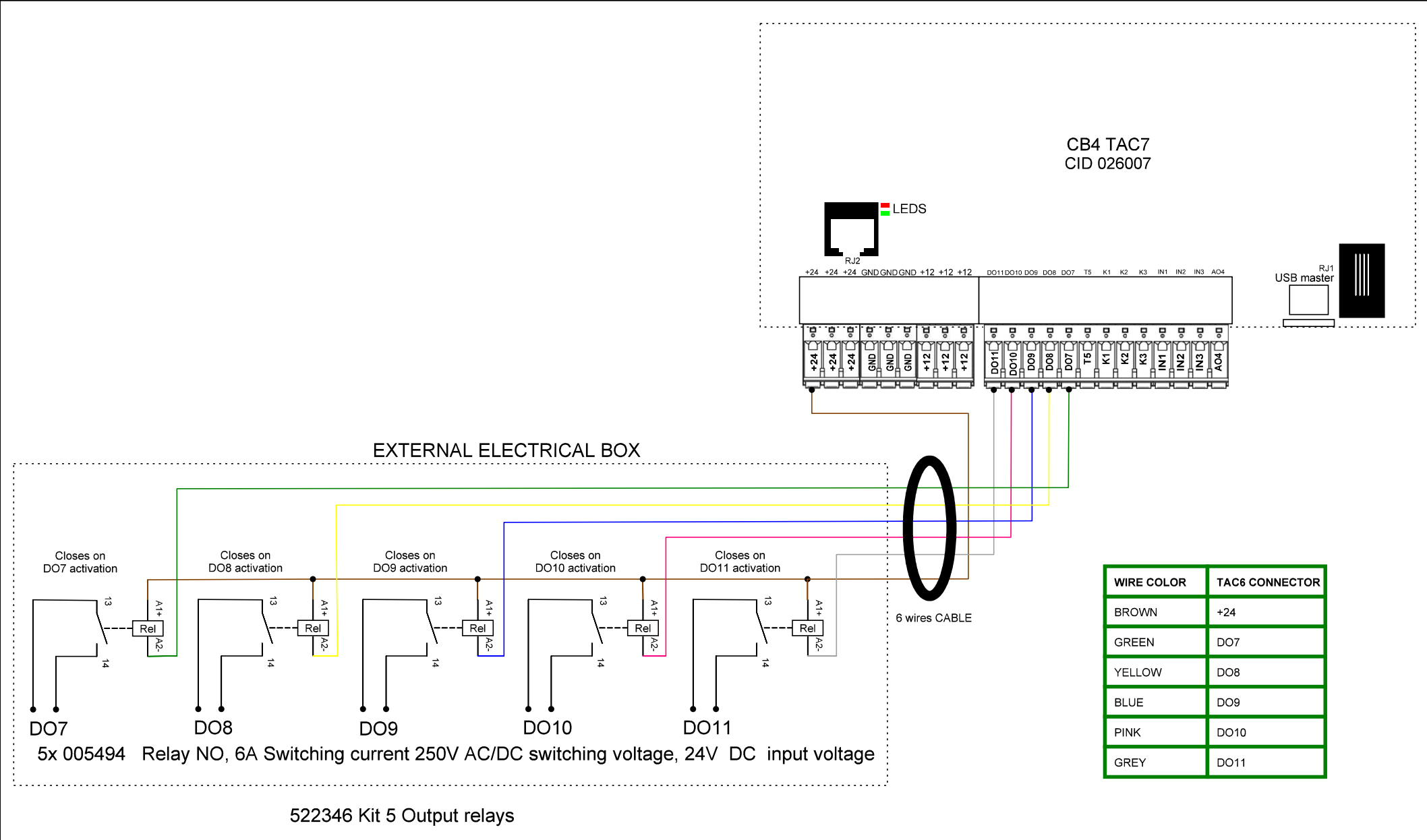


Changes			Name	Date	Configuration of function:	Page
Name	Date	Draw.:	msg	17/10/2024		59
		check.:				
		Norm:			Application:	of
Subject:	GLOBAL_ESENSA_Wiring TAC7.spl7				Soft HMI centralised	66





Changes			Name	Date	Configuration of function:	Page
Name	Date	Draw.:	ola	04/10/2024		62
		check.:				
		Norm:			Application:	of
Subject:	GLOBAL_ESENSA_Wiring TAC7.spl7				Output Relay 1x	66



Changes			Name	Date	Configuration of function:	Page
Name	Date	Draw.:	ola	04/10/2024		63
		check.:			Application: Output Relays 5x	of
		Norm:				66
Subject:	GLOBAL_ESENSA_Wiring TAC7.spl7					

*SAT RELAY CONFIGURATION ONLY FOR NON LP MODELS

Section Inputs/Outputs / Settings / Parameters:

User Digital I/O Mapping

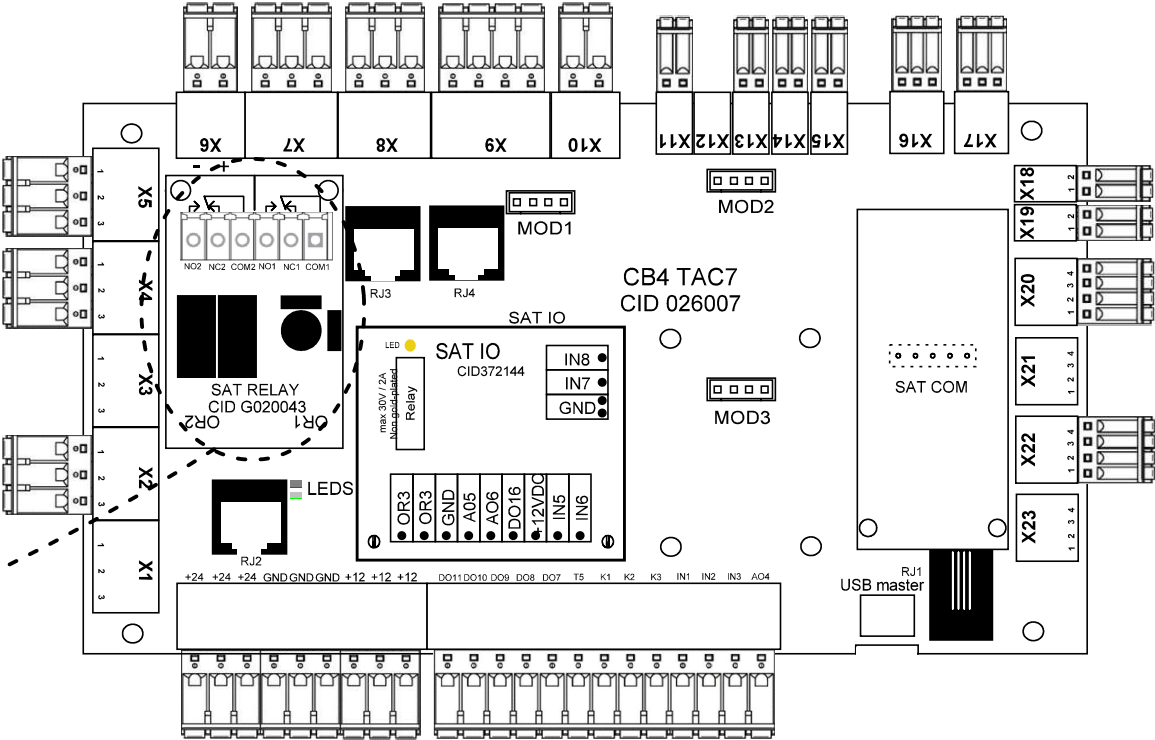
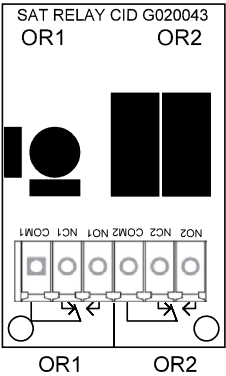
ON

Section Inputs/Outputs / User Digital I/O Mapping - Outputs/ Parameters:

Select desired functions to be mapped on SAT RELAY OR1 or OR2:

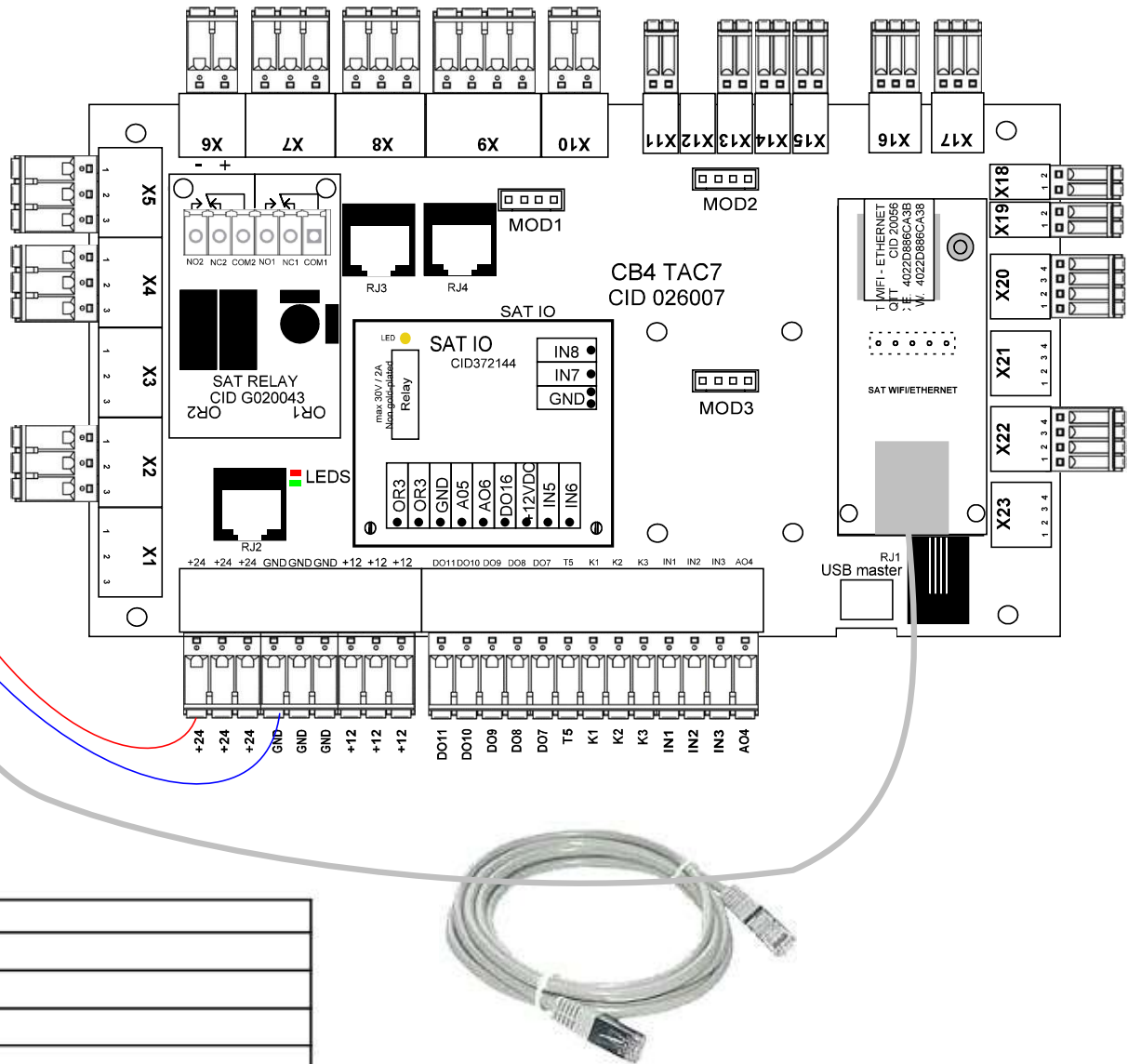
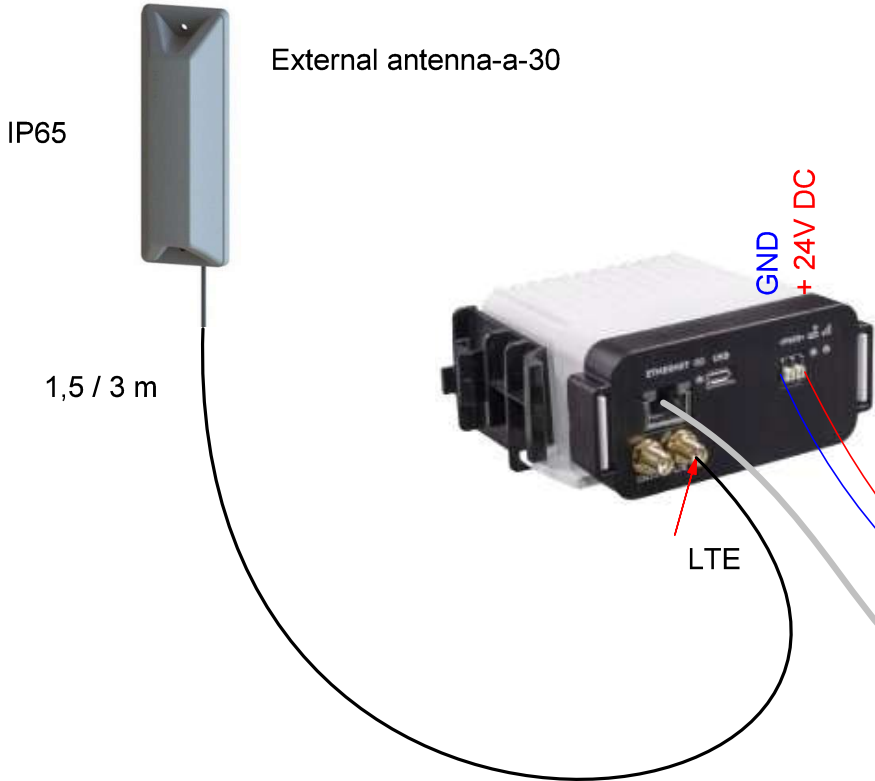
- Circulator pump for hydraulic reheater/reversible (by default on DO7)
- Circulator pump for hydraulic cooler (by default on DO8)
- Default Alarm satus (by default on DO9)
- Pressure Alarm satus (by default on DO10)
- Fan On satus (by default on DO11)
- Bypass satus (by default on SAT IO OR3)
- Heat satus (by default unapped)
- Cool satus (by default unapped)
- Circulator pump for hydraulic preheater (by default unapped)

SAT RELAY plugged on TAC7 controller dedicated connector



Changes			Name	Date	Configuration of function: mandatory used for GLOBAL LP, then premounted and prewired – option for other models SAT RELAY OR1 – relay SPDT (COM + NC/NO) – max 0,5A 30V DC SAT RELAY OR2 – relay SPDT (COM + NC/NO) – max 0,5A 30V DC See * here above for settings	Page
Name	Date	Draw.:	msg	17/10/2024		64
		check.:				
		Norm:			Application: SAT RELAY	of
Subject:	GLOBAL_ESENSA_Wiring TAC7.spl7					66

Label	CID
INSIDE Connect, fitted in electrical cabinet	883819
INSIDE Connect, delivered loose (no PSU)	883820
INSIDE External antenna-a-15	883821
INSIDE External antenna-a-30	883822



DHCP	Off
IP address	169.254.235.1
Netmask	255.255.255.248
Default gateway	169.254.235.6
Primary DNS	8.8.8.8

Changes			Name	Date	Configuration of function: Function/Communication/Configuration of SAT LAN See settings in table here above	Page
Name	Date	Draw.:	msg	30/09/2025		66
		check.:				
		Norm:			Application: Cloud	of
Subject:	GLOBAL_ESENSA_Wiring TAC7.sp17					66