





# WIRING DIAGRAM GLOBAL 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.

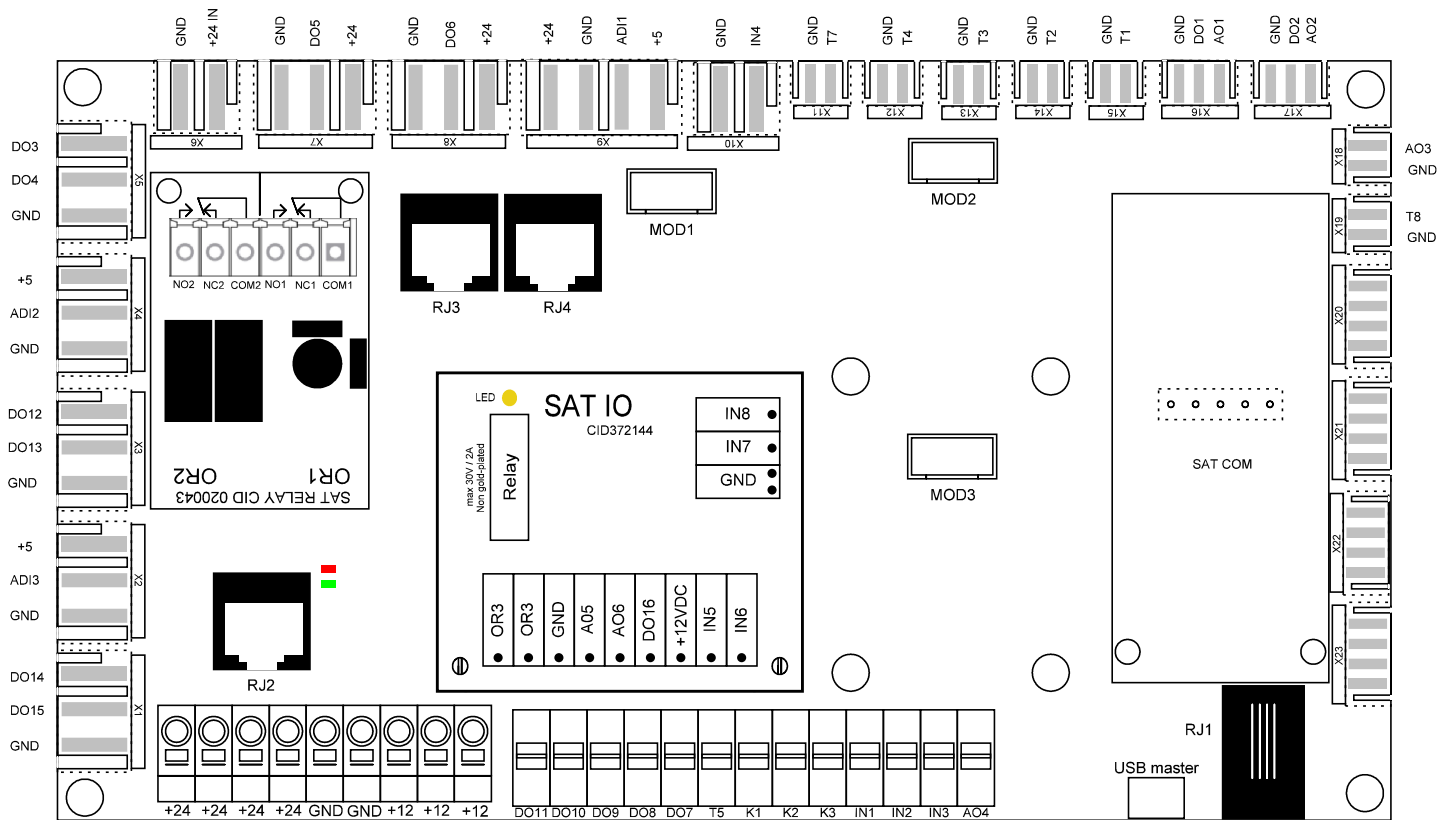
 All electrical connections must be made by a qualified electrician and in accordance with local rules and regulations.

 Residual current circuit breaker 300mA

 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	Application: <b>General</b>	Page
Name	Date	Draw.:	16/03/2021		1
		check.:			
		Norm:			of
Subject:	GLOBAL_Wiring TAC6 rev 20230408.spl7				53



Changes		Name	Date	TAC6	Page
Name	Date	Draw.: msg	16/03/2021		Application: <b>Controller</b>
		check.:		of	
Subject:	GLOBAL_Wiring TAC6 rev 20230408.spl7			53	

AO1 - BA+ = output 0-10V for external hydraulic postheater (option)  
 DO1 - KWout = output PWM for KWout power regulation (option - prewired)  
 DO2 - KWin- PX = output PWM for KWin power regulation (option - prewired)  
   | RX SPEED PWM - RX (prewired)  
 AO2 - RX SPEED 0-10V - RX (option)  
 AO3 - BA- = output 0-10V for external hydraulic postcooler (option)  
 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<sub>max</sub> = 0,5 A DC) (option - prewired)  
 DO6 - DAMPER 2 (with or without spring return, I<sub>max</sub> = 0,5 A DC) (option - prewired)  
 DO7 - HEAT CONTACT (open collector; V<sub>max</sub>=24 VDC; I<sub>max</sub>=0,1 A)  
 DO8 - COOL CONTACT (open collector; V<sub>max</sub>=24 VDC; I<sub>max</sub>=0,1 A)  
 DO9 - ALARM CONTACT (open collector; V<sub>max</sub>=24 VDC; I<sub>max</sub>=0,1 A)  
 DO10 - AL dPaCONTACT (open collector; V<sub>max</sub>=24 VDC; I<sub>max</sub>=0,1 A)  
 DO11 - FAN ON CONTACT (open collector; V<sub>max</sub>=24 VDC; I<sub>max</sub>=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)

T5 - supply air T° (option)  
 T7 - BA+ frost protection T° sensor (option -prewired for internal battery)  
 T8 - BA- frost protection T° sensor (option)

IN1 - FIRE ALARM  
 IN2 - BOOST  
 IN3 - BYPASS ACTIVATION OVERRIDE  
 IN4 - Drain pan full contact (for LP)

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

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)  
 RJ3: RJ12 connector for Modbus Pressure CA mode on supply flow (option - prewired)  
 RJ4: RJ12 connector for Modbus Pressure CA mode on exhaust flow  
       and defrost detecting (option - prewired)

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)

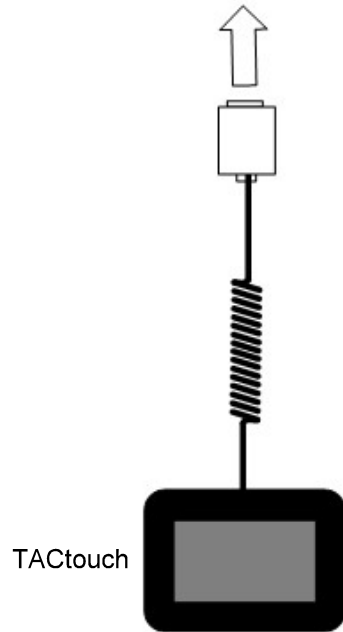
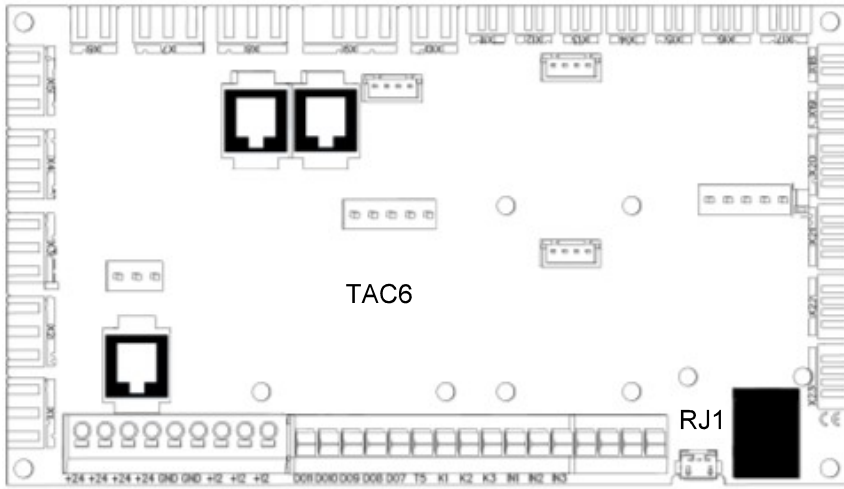
SAT RELAY: ONLY USED FOR GLOBAL LP, THEN PREMOUNTED AND PREWIRED  
 SAT RELAY OR1 - LINEAR ACTUATOR FOR BYPASS - FORWARD (closed) (prewired)  
 SAT RELAY OR2 - LINEAR ACTUATOR FOR BYPASS - BACKWARD (closed) (prewired)

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

Changes		Name	Date	Page
Name	Date	Draw.:	msg	16/03/2021
		check.:		3
		Norm:		of
Subject:	GLOBAL_Wiring TAC6 rev 20230408.spl7			53

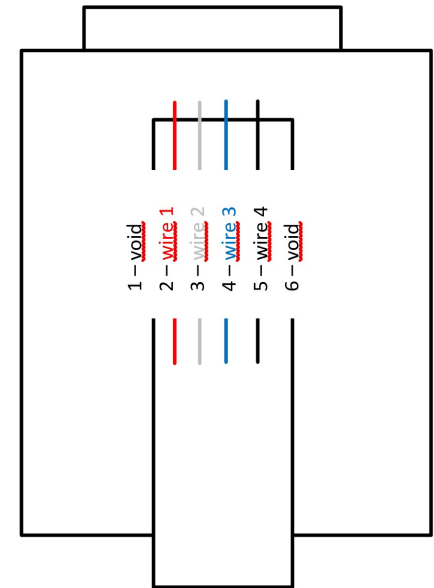
Application:  
 IO



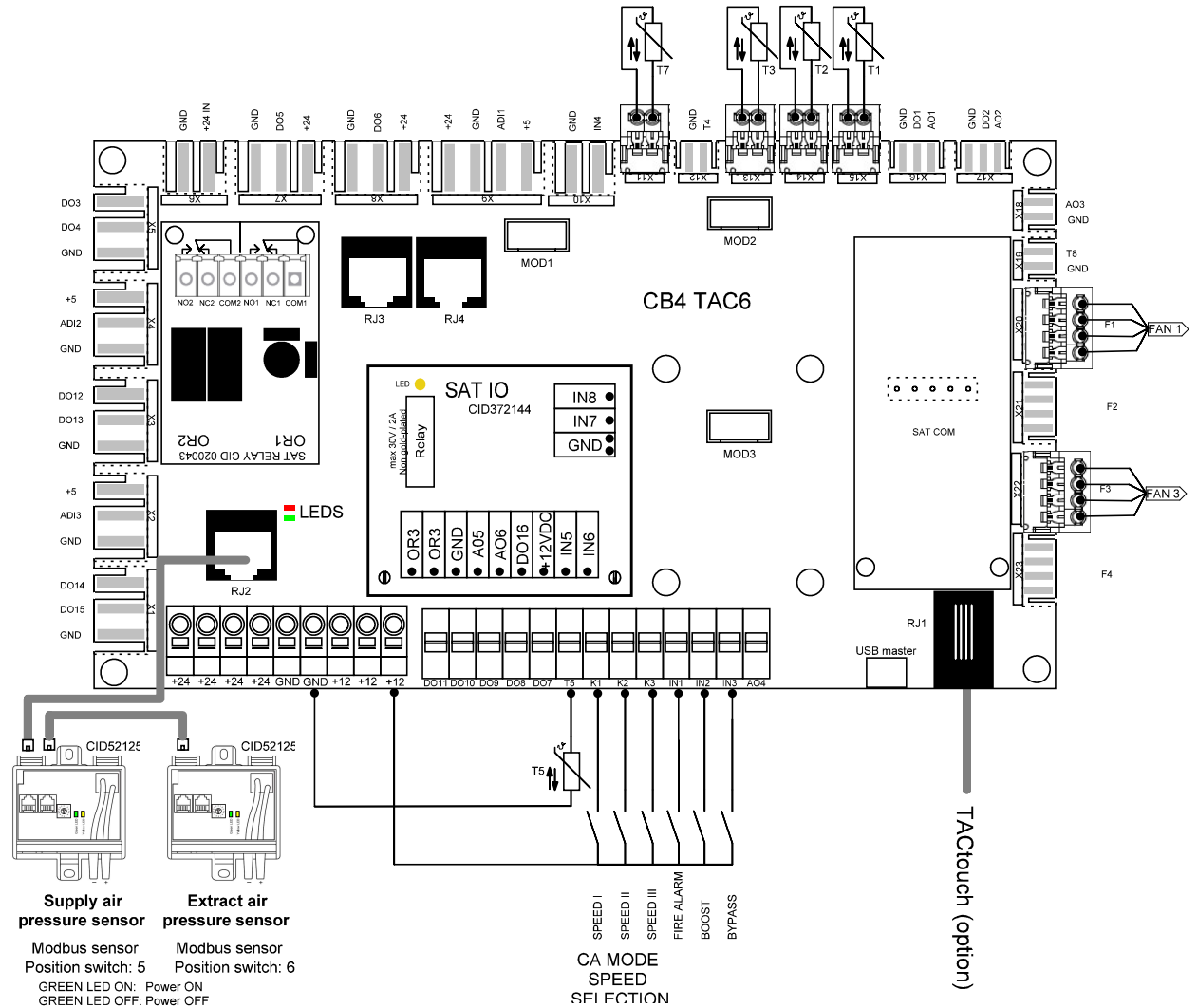
### Extender cable Wiring

In installation where an extender cable is necessary, this last one must conform to the RS-485 Standard with twisted pair conductors. The cable must be shielded. Conductor Area min 0.2 mm<sup>2</sup>. The total length must not exceed 100 meters. 2 pairs connected to RJ12 connectors at cable extremities, straight wired.

Pinout for each connector as in figure below (colors are indicative for the wires of the extender cable):



Changes		Name	Date	Application: <b>TACtouch</b>	Page
Name	Date	Draw.: msg	16/03/2021		4
		check.:			
		Norm:			
Subject:	GLOBAL_Wiring TAC6 rev 20230408.spl7				of 53

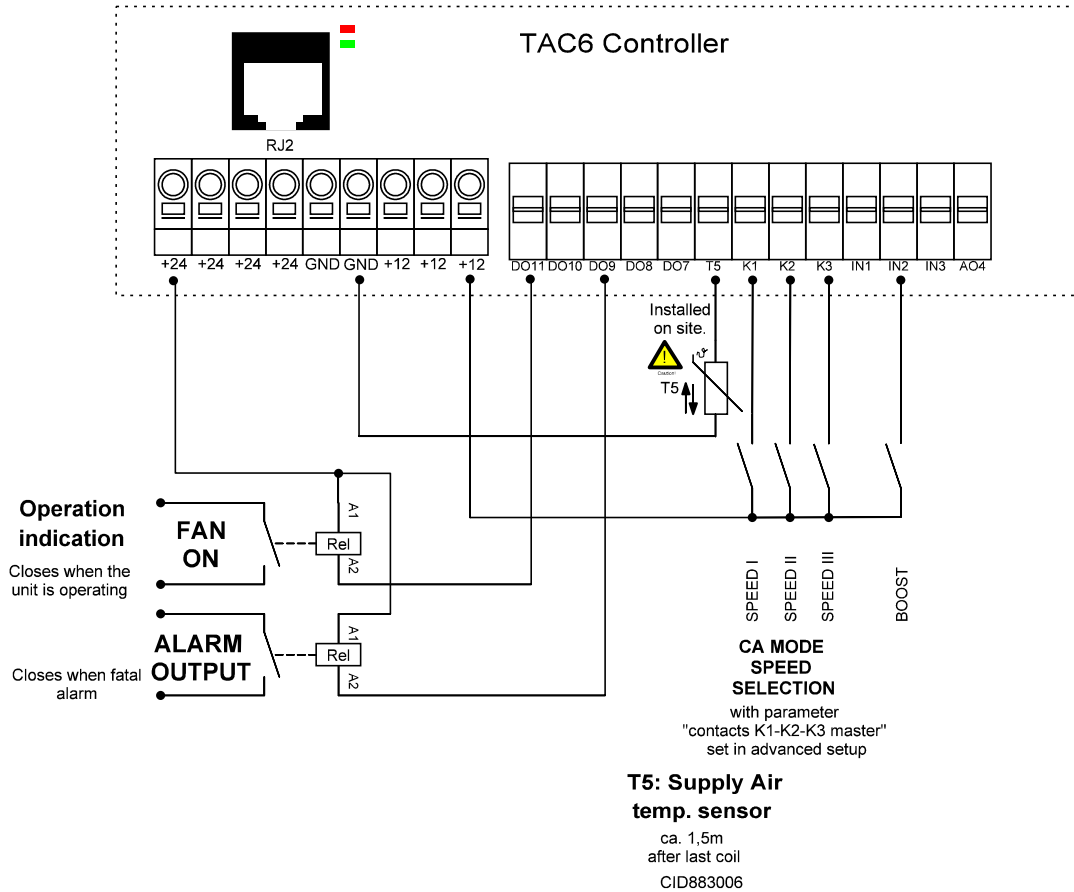


Supply air pressure sensor  
 Extract air pressure sensor  
 Modbus sensor  
 Modbus sensor  
 Position switch: 5  
 Position switch: 6  
 GREEN LED ON: Power ON  
 GREEN LED OFF: Power OFF

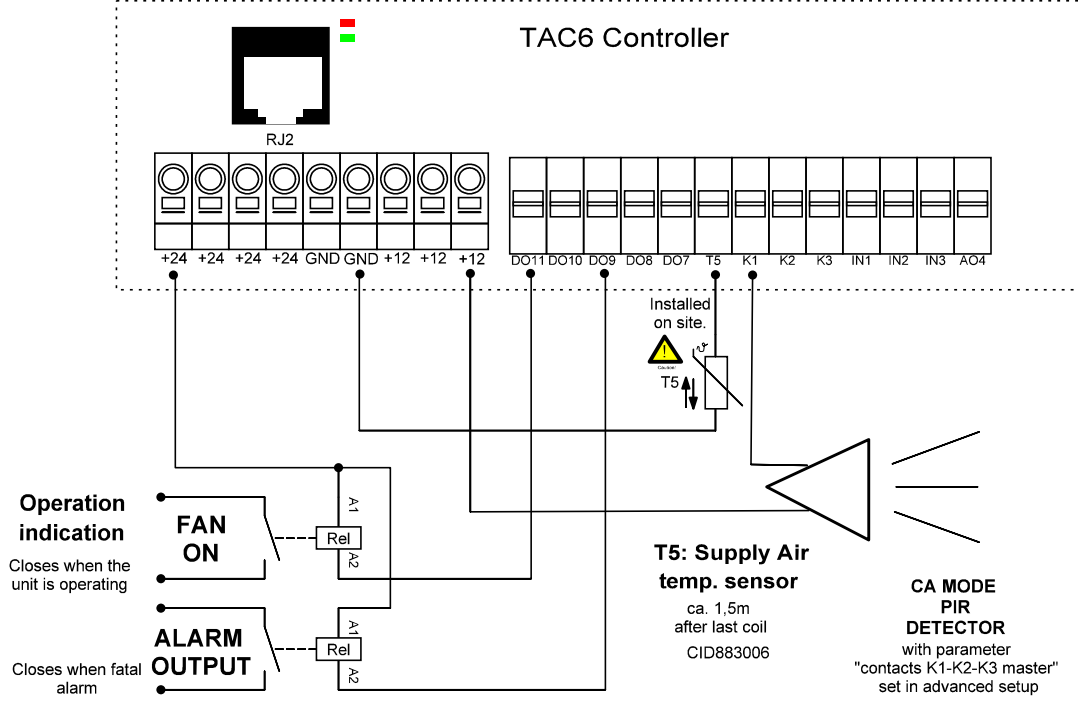
YELLOW LED Flashes Valid Modbus Communic

CP MODE + COM SENSORS (option)

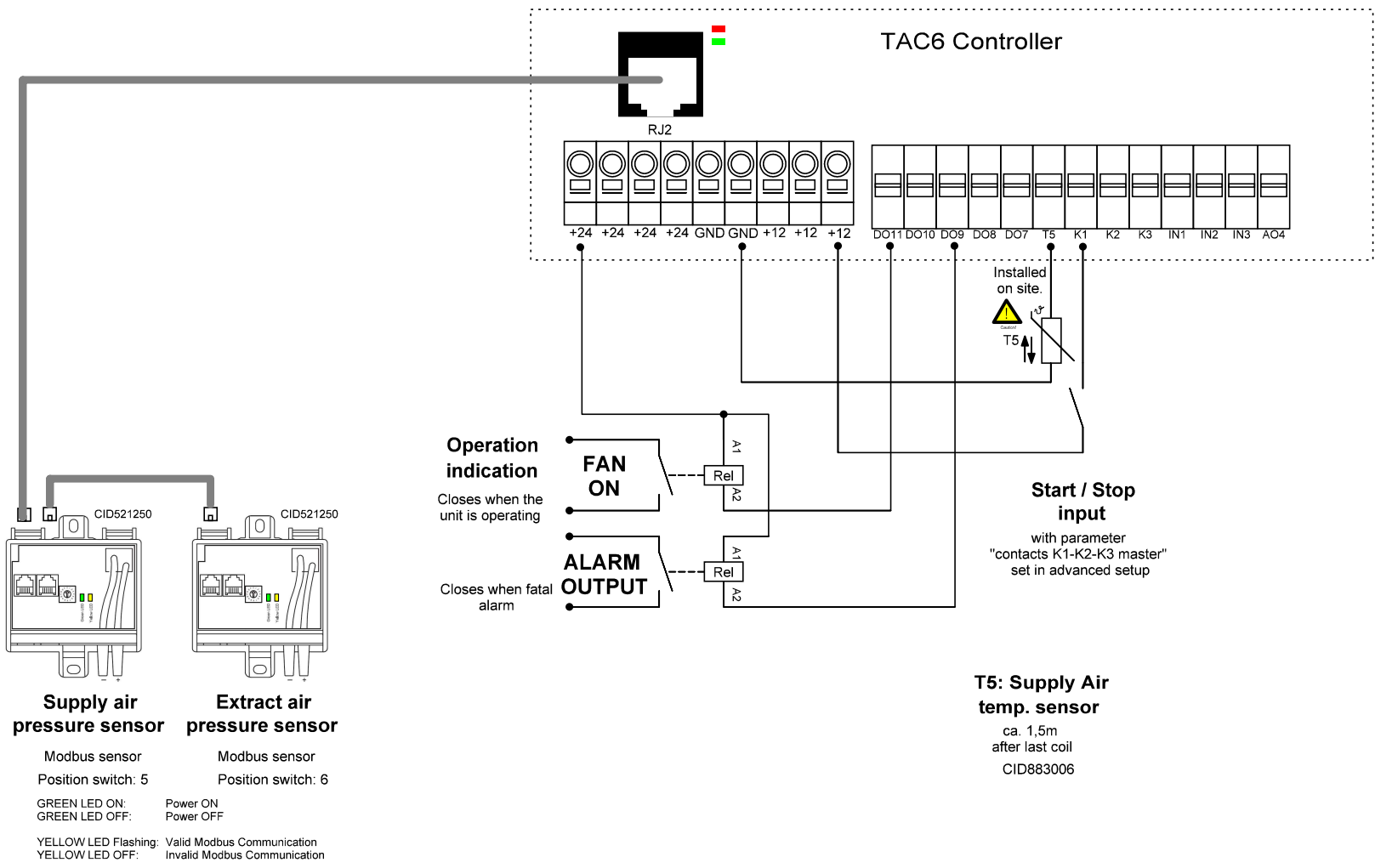
Changes		Name	Date	Application: Main Controller TAC6	Page
Name	Date	Draw.: msg	16/03/2021		5
		check.:			
		Norm:			of
Subject:	GLOBAL_Wiring TAC6 rev 20230408.sp17				53



Changes		Name	Date	Configuration of function: <b>Basic setup / Air flow regulation</b>	Page
Name	Date	Draw.: msg	16/03/2021		6
		check.:			
		Norm:		Application: <b>Constant airflow</b>	of
Subject:	GLOBAL_Wiring TAC6 rev 20230408.spl7				53



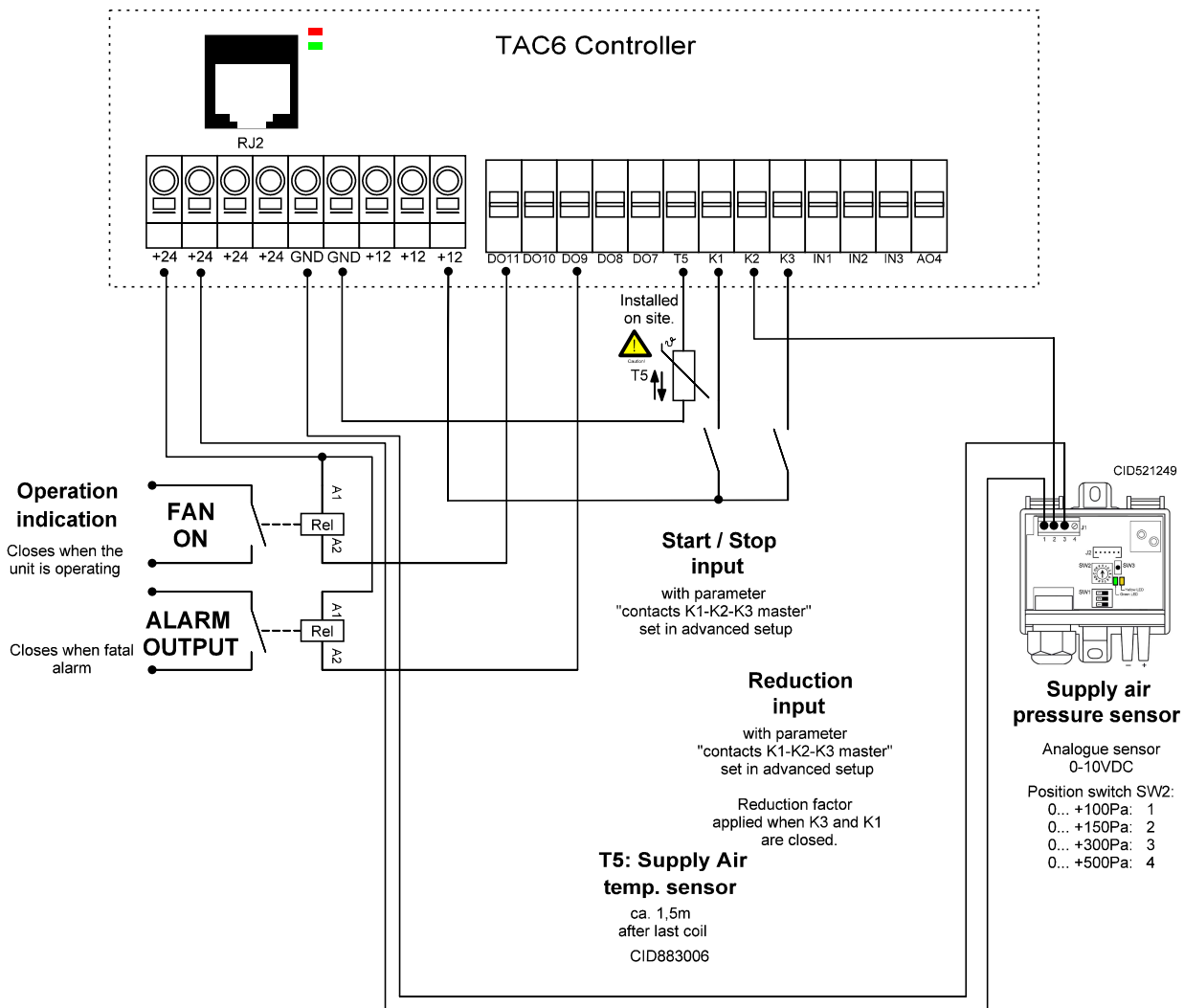
Changes		Name	Date	Configuration of function: <b>Basic setup / Air flow regulation</b>	Page
Name	Date	Draw.: msg	10/08/2021		7
		check.:			
		Norm:		Application: <b>Constant airflow - PIR</b>	of
Subject:	GLOBAL_Wiring TAC6 rev 20230408.spl7				53



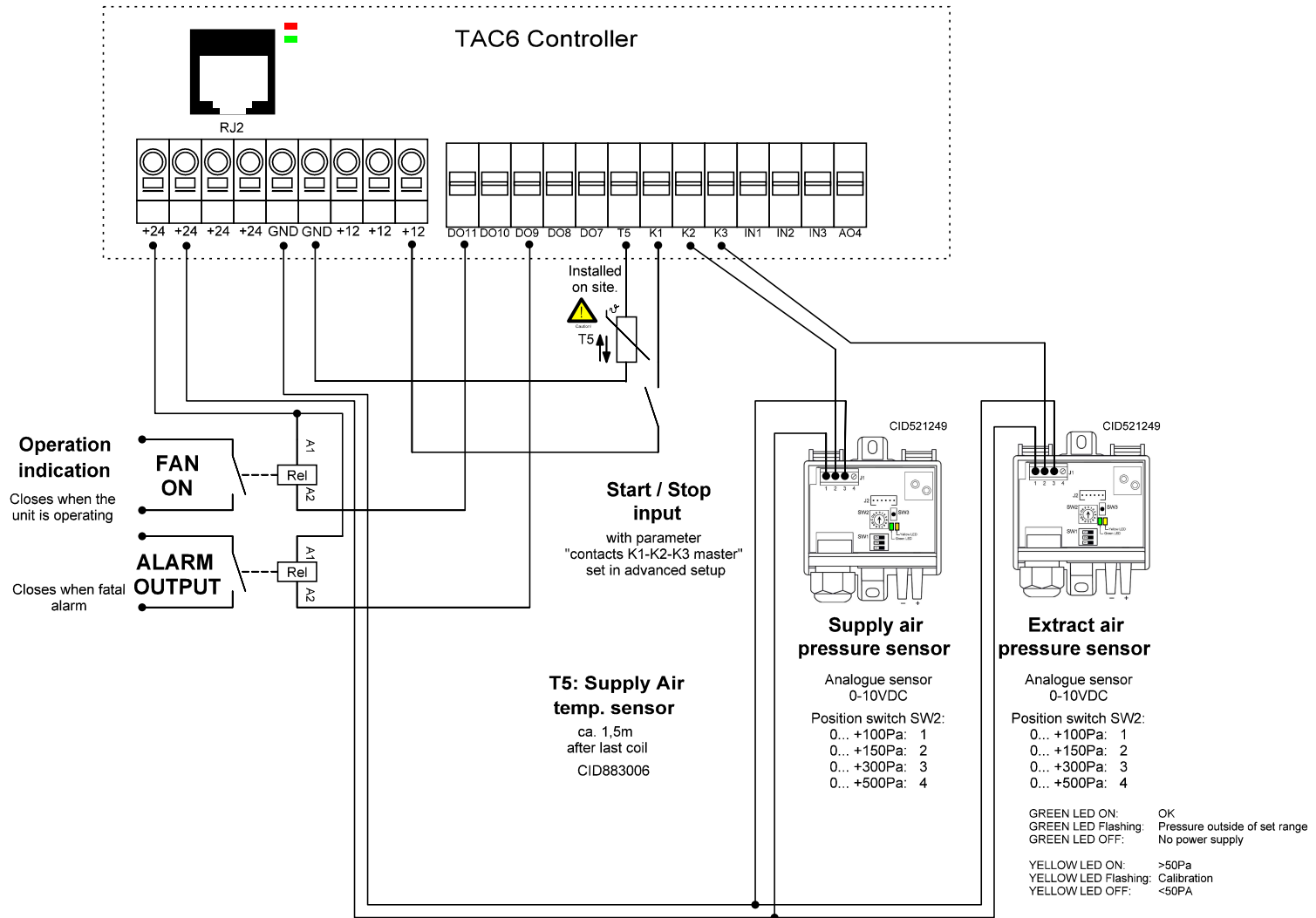
**CP MODE + COM SENSORS**

Changes		Name	Date	Configuration of function: <b>Basic setup / Air flow regulation</b>	Page
Name	Date	Draw.: msg	16/03/2021		8
		check.:		Application: <b>Constant pressure Modbus</b>	of
Subject:	GLOBAL_Wiring TAC6 rev 20230408.sp17				53

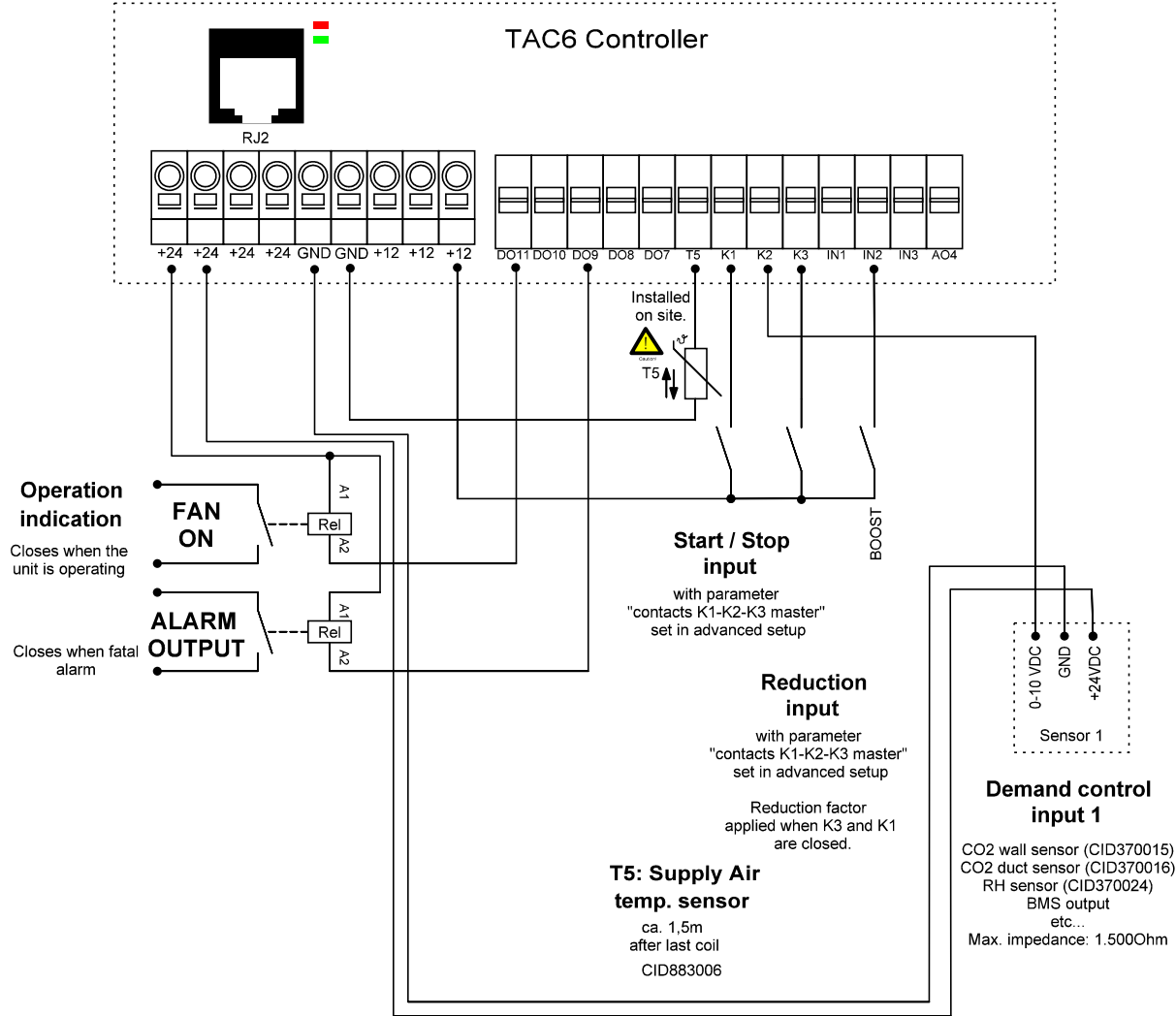




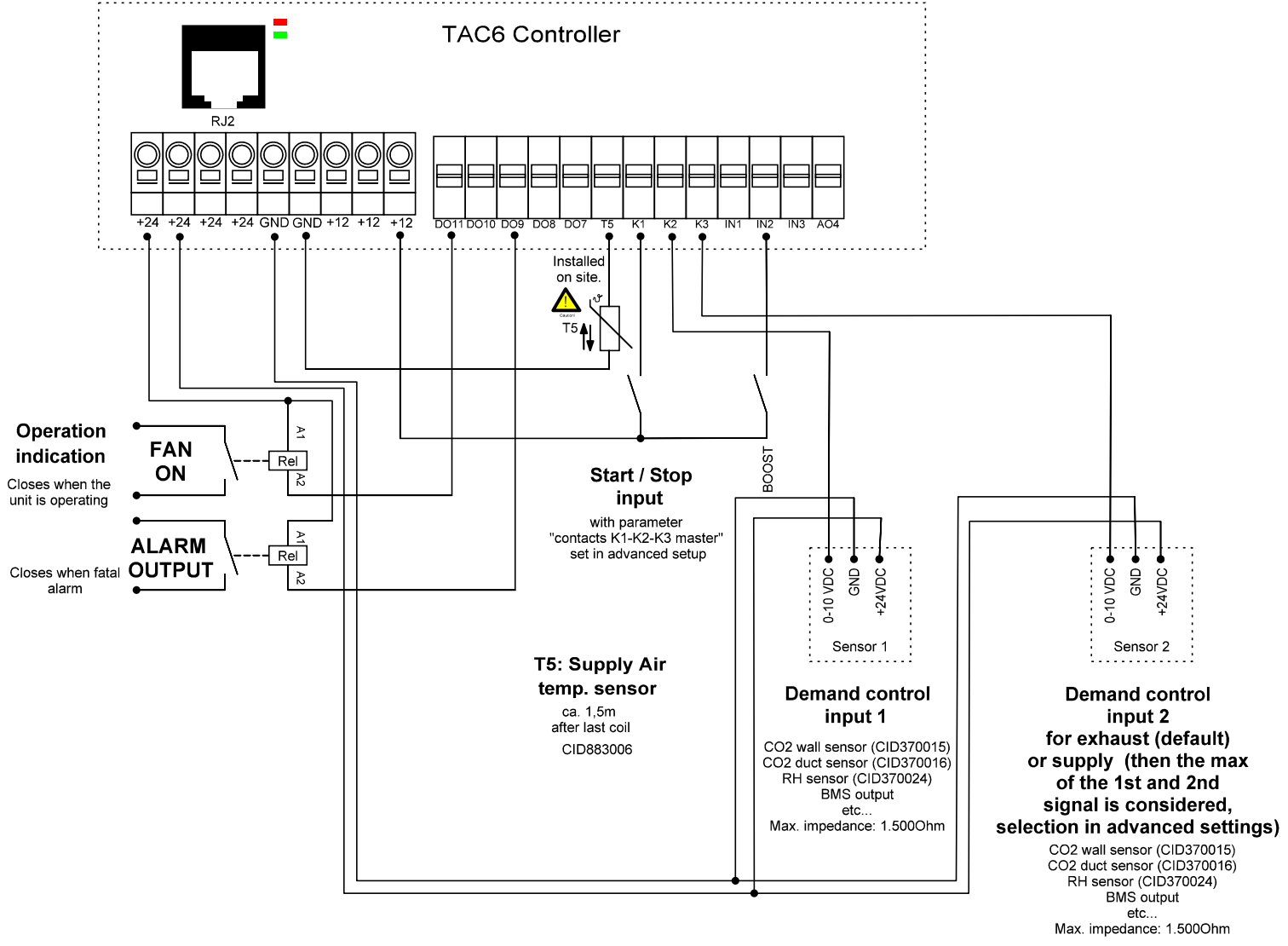
Changes		Name	Date	Configuration of function: <b>Basic setup / Air flow regulation</b>	Page
Name	Date	Draw.: msg	16/03/2021		9
		check.:			
		Norm:		Application: <b>Constant pressure 1x 0-10V</b>	of 53
Subject:	GLOBAL_Wiring TAC6 rev 20230408.spl7				



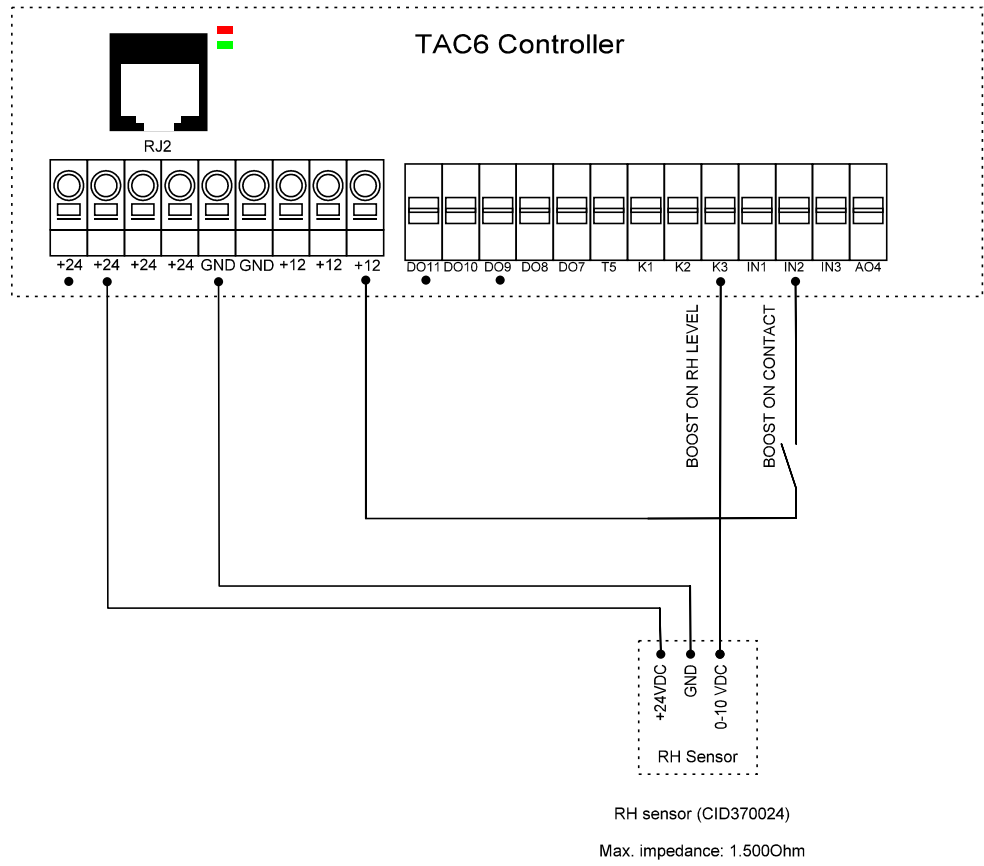
Changes		Name	Date	Configuration of function: <b>Basic setup / Air flow regulation</b>	Page
Name	Date	Draw.: msg	16/03/2021		10
		check.:			
		Norm:		Application: <b>Constant pressure 2x 0-10V</b>	of
Subject:	GLOBAL_Wiring TAC6 rev 20230408.spl7				53



Changes		Name	Date	Configuration of function: <b>Basic setup / Air flow regulation / Demand control</b>	Page
Name	Date	Draw.: msg	16/03/2021		11
		check.:			
		Norm:		Application: <b>Demand control 1x 0-10V</b>	of 53
Subject:	GLOBAL_Wiring TAC6 rev 20230408.spl7				

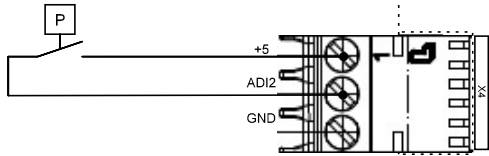


Changes		Name	Date	Configuration of function: <b>Basic setup / Air flow regulation / Demand control</b>	Page
Name	Date	Draw.: msg	16/03/2021		12
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		Norm:		Application: <b>Demand control 2x 0-10V</b>	of
Subject:	GLOBAL_Wiring TAC6 rev 20230408.spl7				53

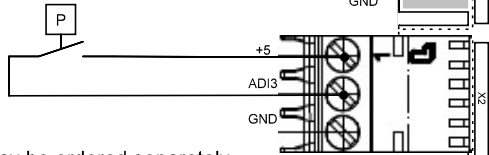


Changes		Name	Date	Configuration of function: <b>Advanced setup / BOOST</b>	Page
Name	Date	Draw.: msg	16/03/2021		13
		check.:			
		Norm:		Application: <b>BOOST</b>	of 53
Subject:	GLOBAL_Wiring TAC6 rev 20230408.spl7				

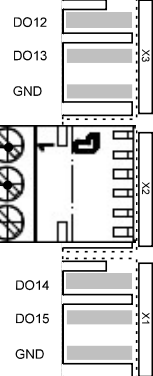
PRESSURE SWITCH SUPPLY FILTER



PRESSURE SWITCH EXHAUST FILTER

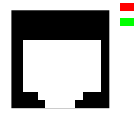


connectors X2/X4 may be ordered separately (CID 522223) if other pressure switches are used instead of the ones in the dedicated kit CID 360025.

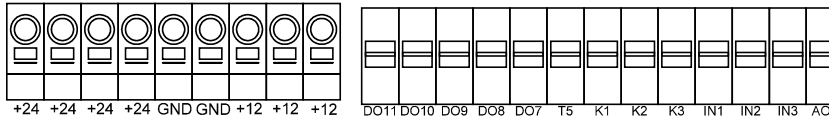


X2

X4



TAC6 Controller



Pressure alarm output

Closes in case of pressure alarm



Changes

Name	Date	Draw.:	Name	Date
		msg		16/03/2021
		check.:		
		Norm:		
Subject:	GLOBAL_Wiring TAC6 rev 20230408.spl7			

Configuration of function:

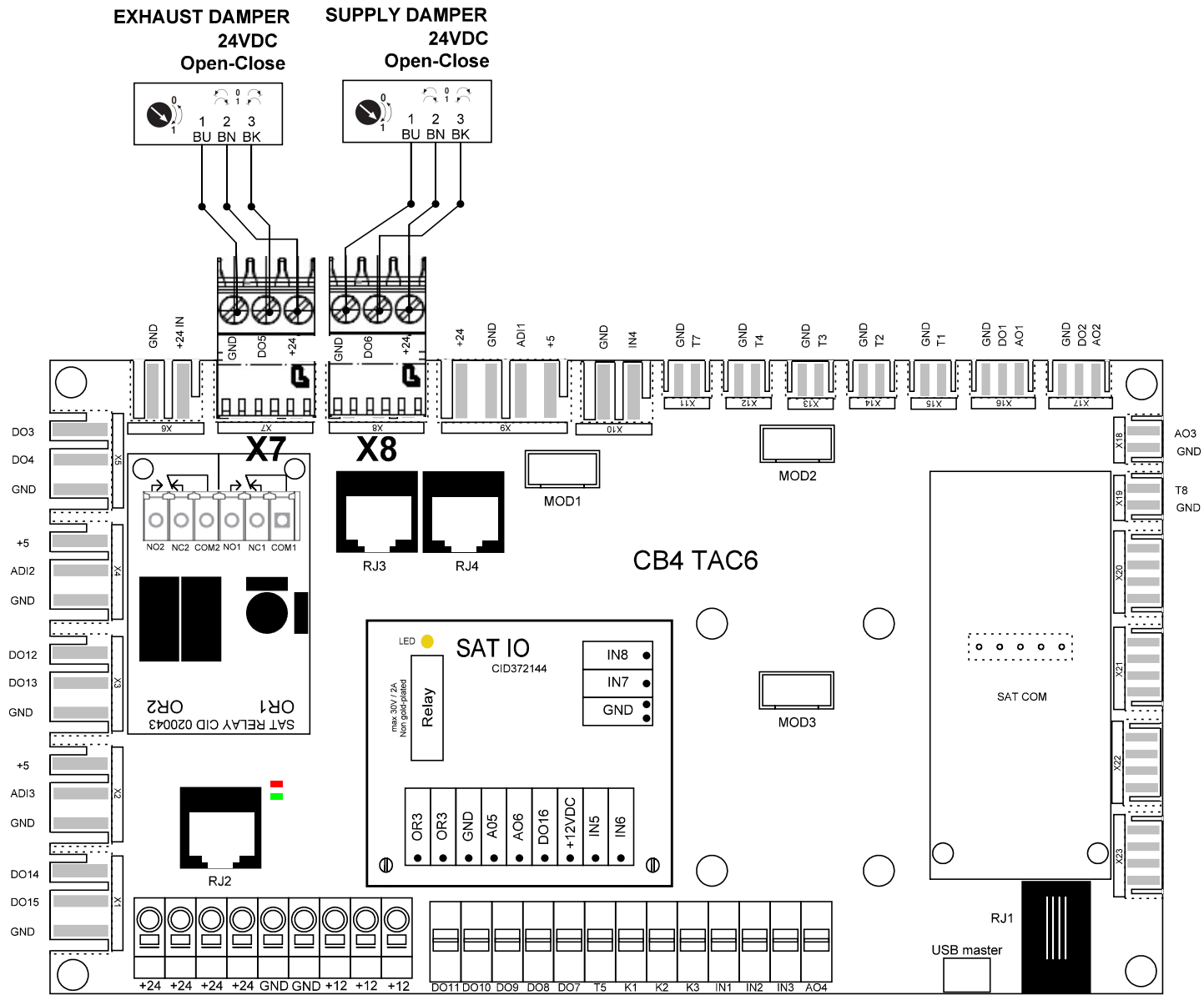
Application:  
Filters alarm

Page

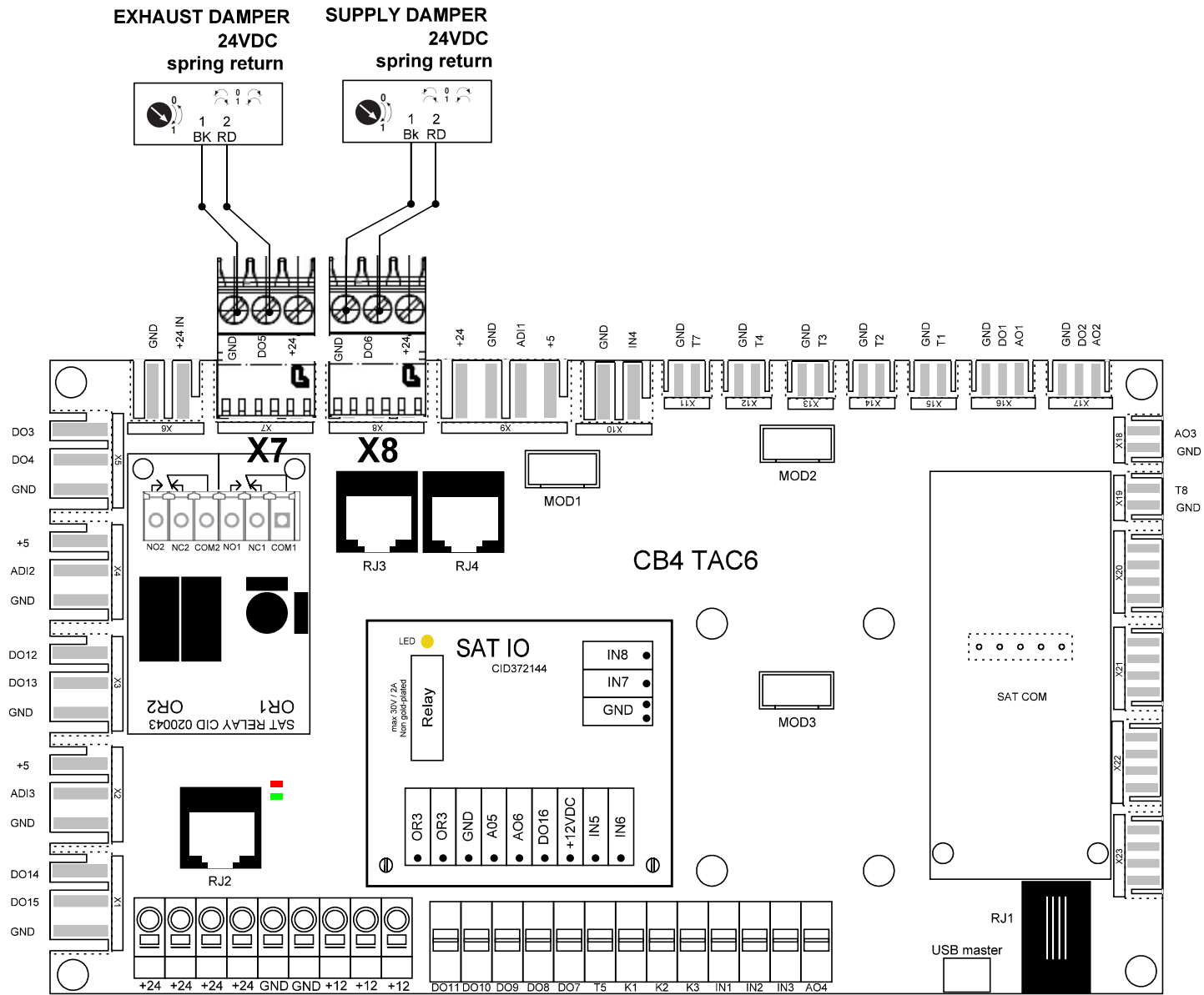
14

of

53

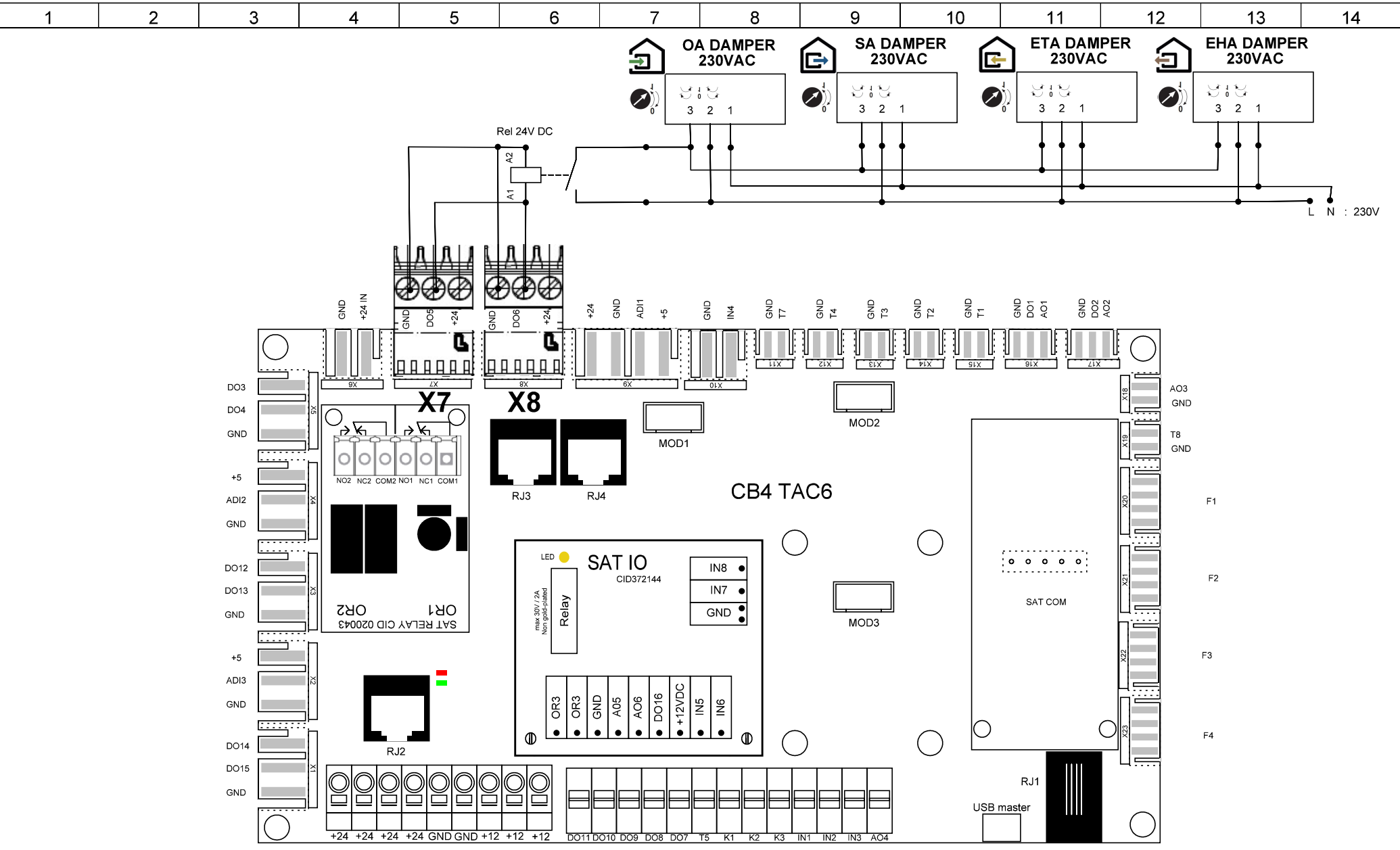


Changes		Name	Date	Configuration of function: <b>Basic setup</b>	Page
Name	Date	Draw.:	16/03/2021		Application: <b>Motorised damper - standard</b>
msg	07/04/2023	check.:		of	
Subject:	GLOBAL_Wiring TAC6 rev 20230408.sp17			53	



Changes		Name	Date	Configuration of function: <b>Basic setup</b>	Page
Name	Date	Draw.: msg	16/03/2021		16
		check.:		Application: <b>Motorised damper - spring ret</b>	of
Subject:	GLOBAL_Wiring TAC6 rev 20230408.sp17				53

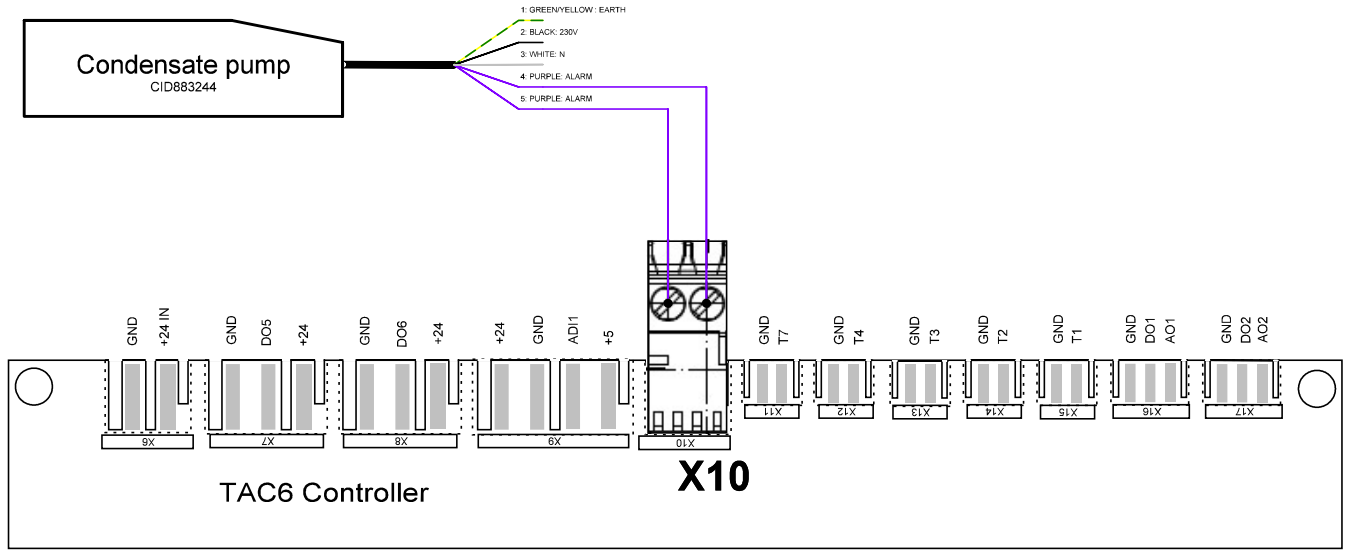




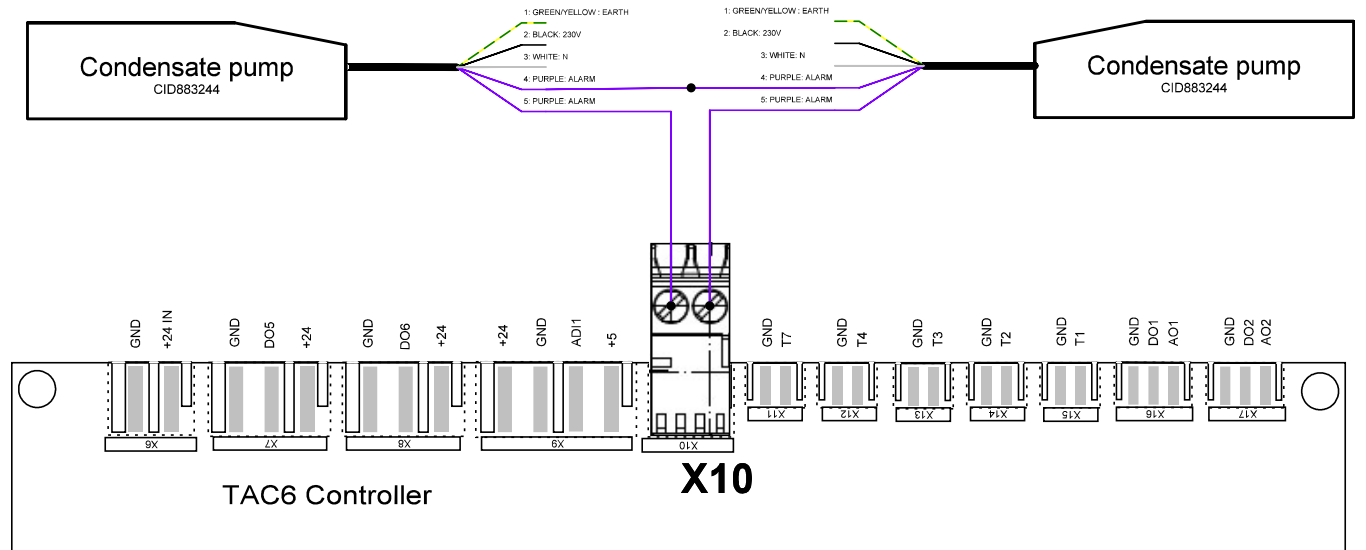
Changes		Name	Date	Configuration of function: <b>Basic setup</b> dampers move simultaneously in same direction (they all close or all open)	Page
Name	Date	Draw.: msg	10/08/2021		
		check.:			
		Norm:		Application: <b>Motorised damper - 230 V AC</b>	of 53
Subject:	GLOBAL_Wiring TAC6 rev 20230408.spl7				

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

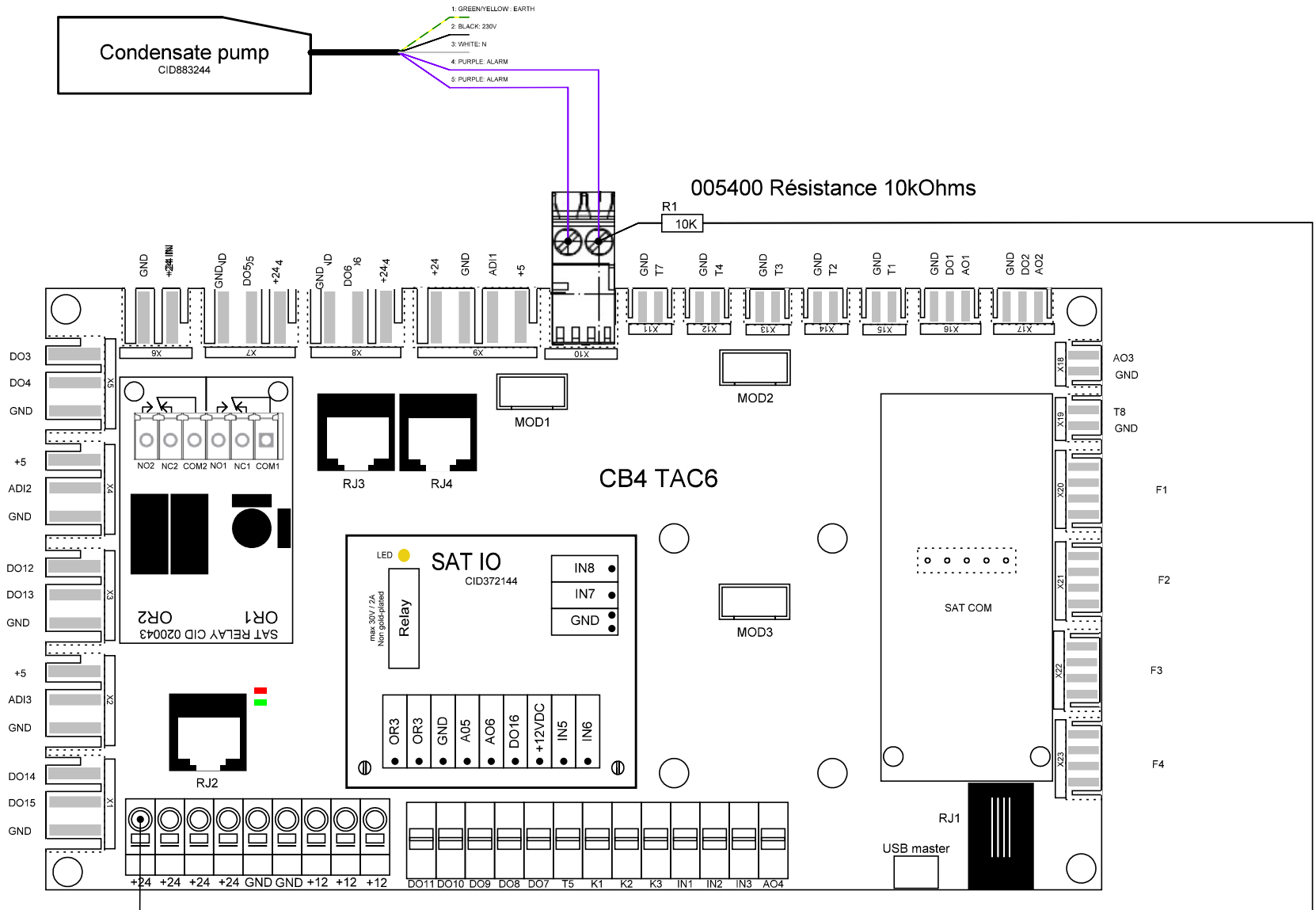
The condensate pump contains an internal sensor that will automatically start the pump when the water level rises above approx. 15 mm and stop the pump when the water level has fallen to approx. 5 mm. The condensate pump is also fitted with a high water level alarm that will operate the alarm relay if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



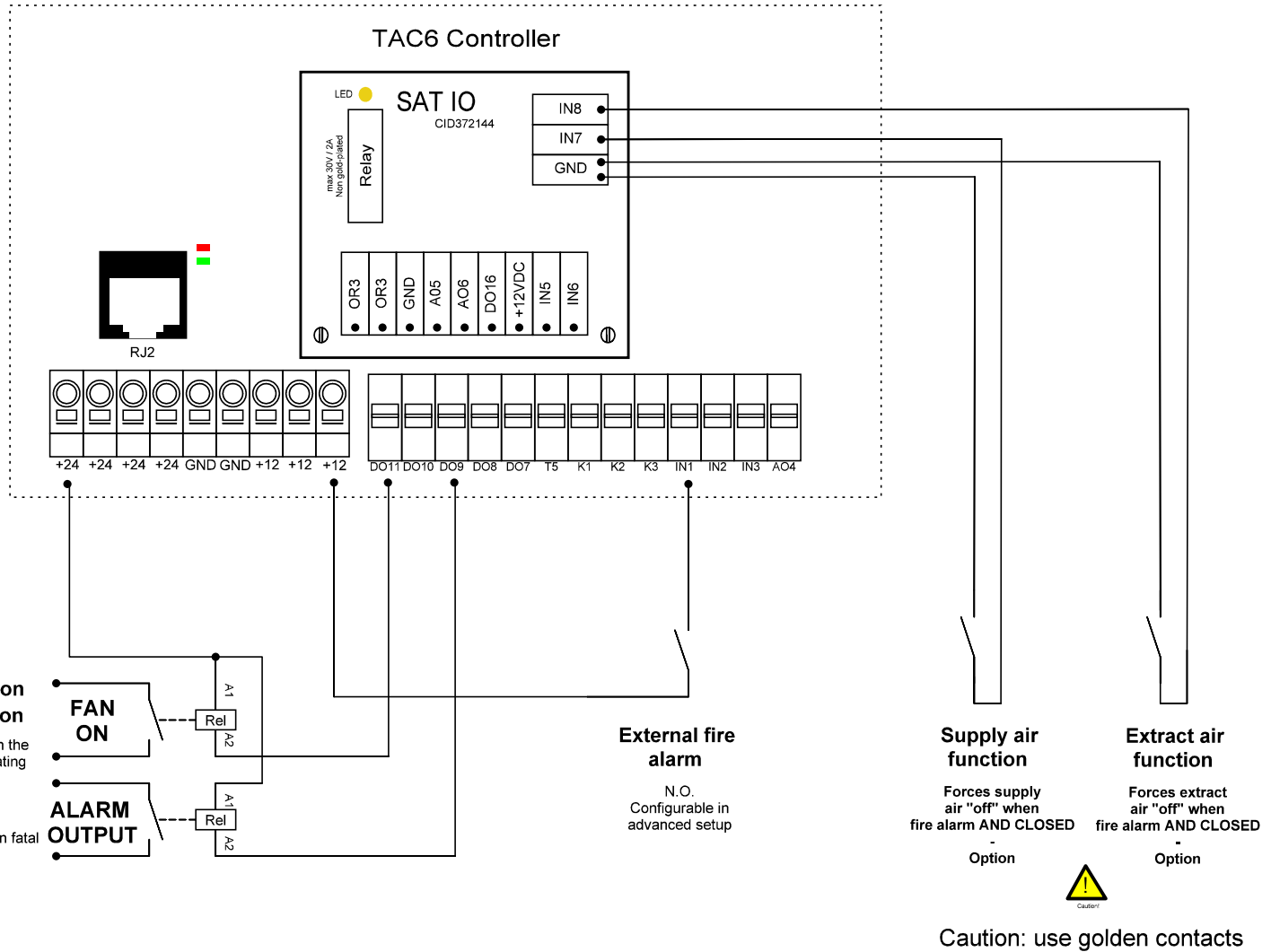
2 devices with drain pump  
(GLOBAL LP and postcooling coil)



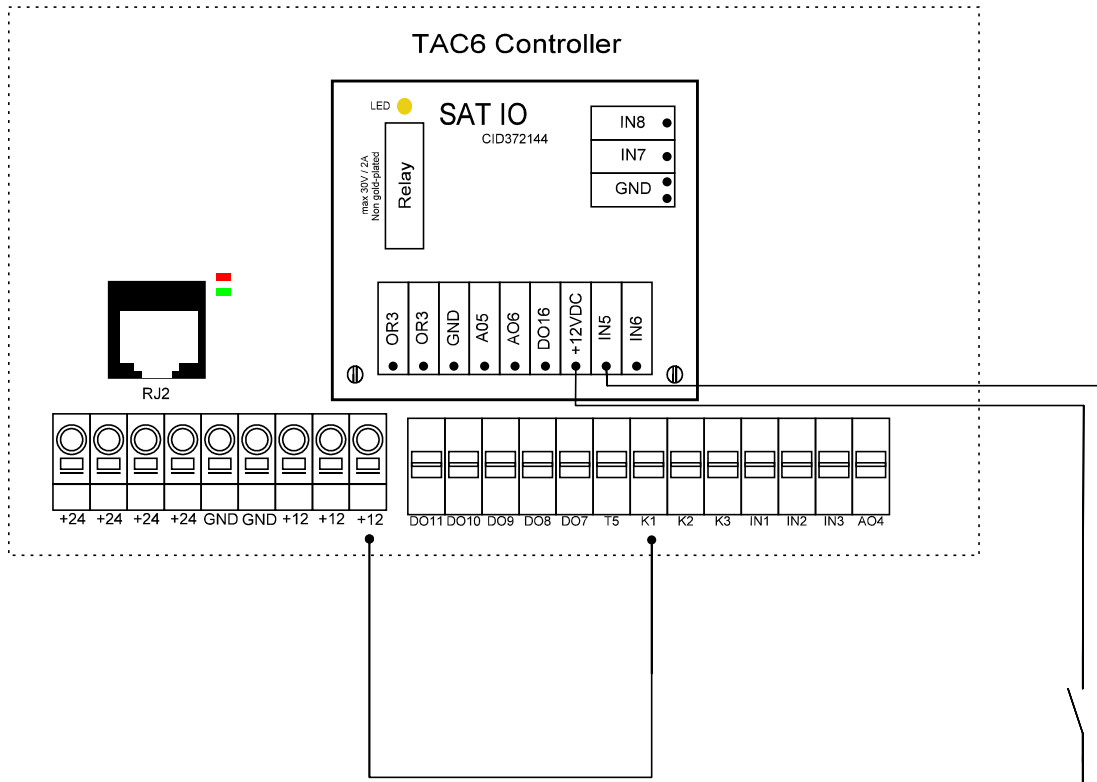
Changes		Name	Date	Application: <b>Condense pump</b>	Page
Name	Date	Draw.:	16/03/2021		18
		check.:			
		Norm:			of
Subject:	GLOBAL_Wiring TAC6 rev 20230408.spl7				53



Changes		Name	Date	Configuration of function: Settings/Product settings/Input for Drain pump = yes	Page
Name	Date	Draw.: msg	10/03/2023		19
		check.:			
		Norm:			
Subject:	GLOBAL_Wiring TAC6 rev 20230408.spl7			Application: Condensate pump + RESISTOR	of 53



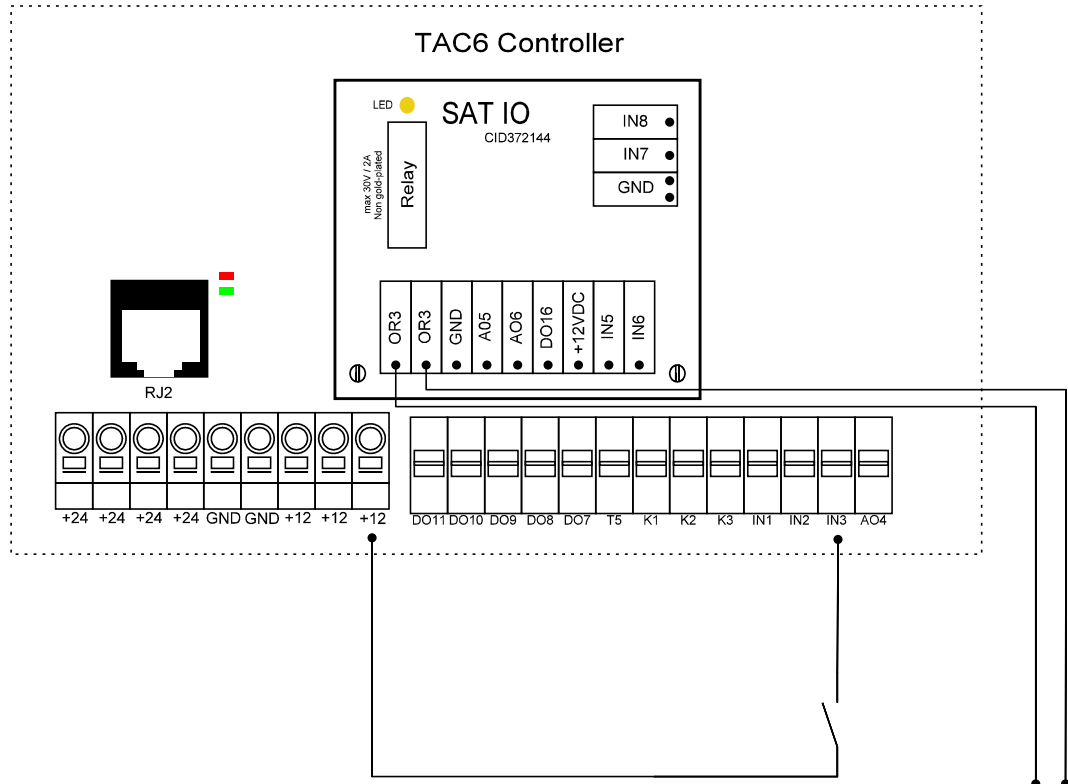
Changes		Name	Date	Configuration of function: <b>Basic setup/Fire alarm</b>	Page
Name	Date	Draw.: msg	16/03/2021		20
		check.:			
		Norm:		Application: <b>Fire alarm</b>	of
Subject:	GLOBAL_Wiring TAC6 rev 20230408.spl7				53



**Close by external clock  
to start the unit during  
OFF time schedule**

with parameter  
"contacts K1-K2-K3 master"  
set to 0  
in advanced setup

Changes		Name	Date	Configuration of function: <b>Timeschedules configured</b> Control screen of TACTouch: Speed selection on 'AUTO'	Page
Name	Date	Draw.: msg	24/06/2022		21
		check.:			
		Norm:		Application: <b>External Clock</b>	of
Subject:	GLOBAL_Wiring TAC6 rev 20230408.sp17				53



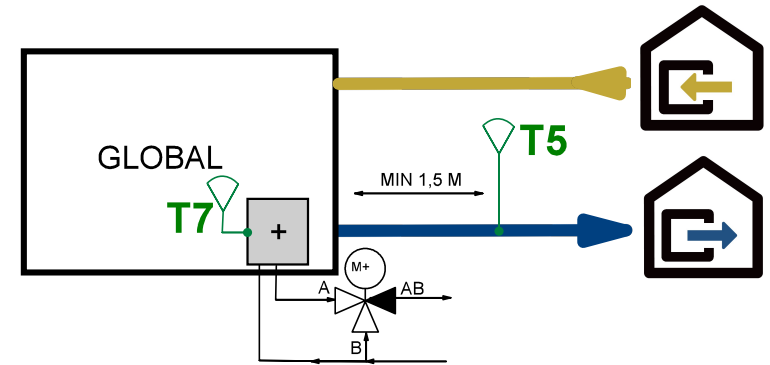
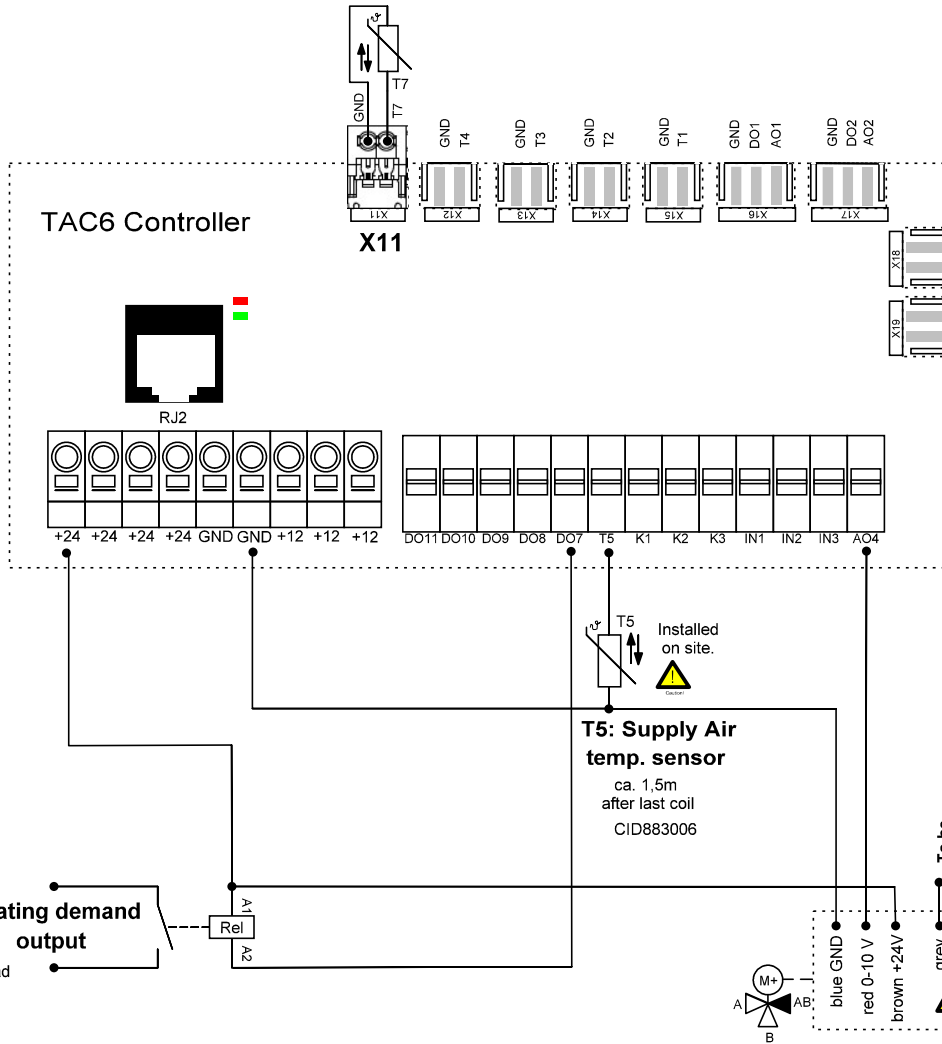
**FORCE BYPASS ACTIVATION**

Contact open: automatic bypass operation in function of T1, T2 and setup values.  
 Contact closed: bypass is completely active whatever T1 and T2 values

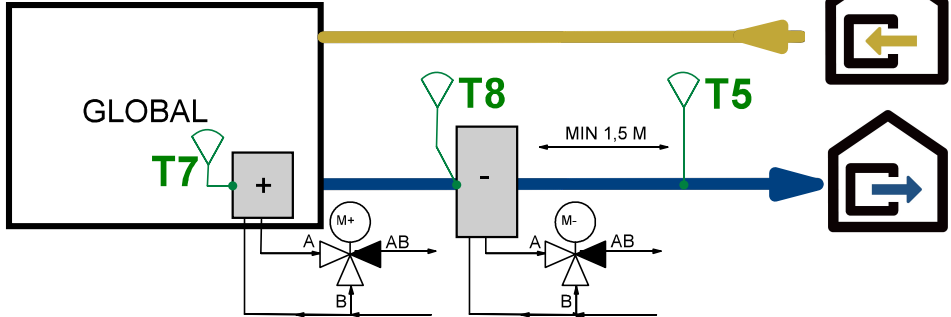
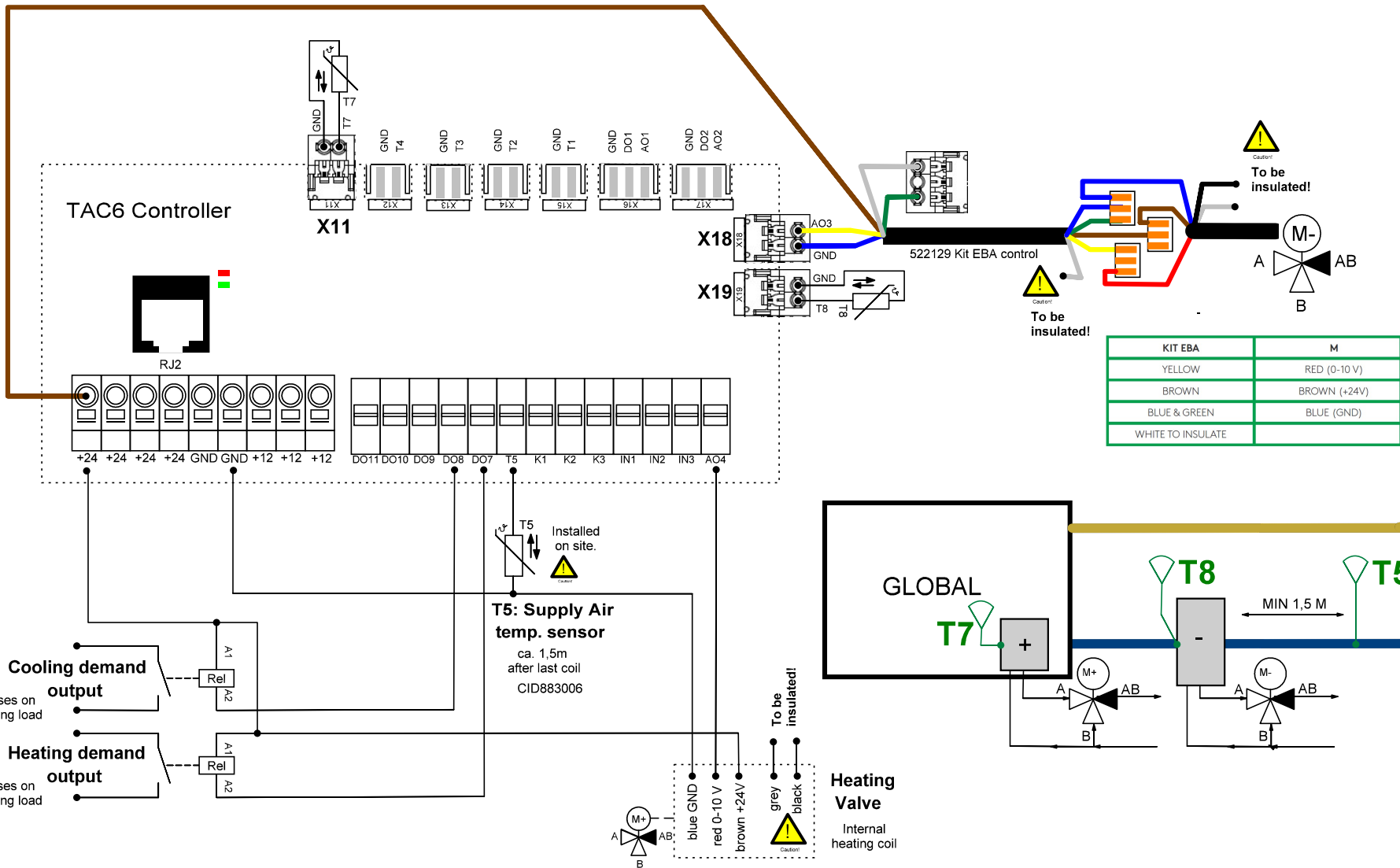
**BYPASS STATUS**

contact closes when bypass is active, completely or partially (option)

Changes		Name	Date	Configuration of function: <b>Advanced setup/Freecooling</b>	Page
Name	Date	Draw.: msg	31/03/2021		22
		check.:			
		Norm:		Application: <b>Freecooling</b>	of
Subject:	GLOBAL_Wiring TAC6 rev 20230408.spl7				53

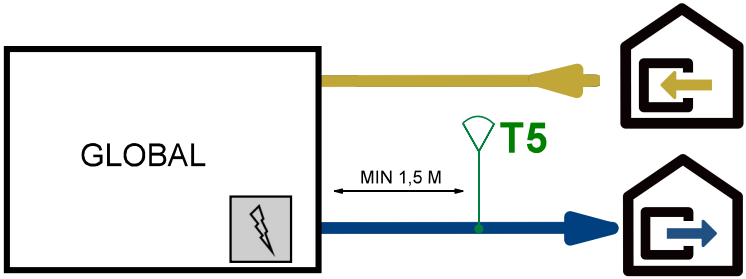
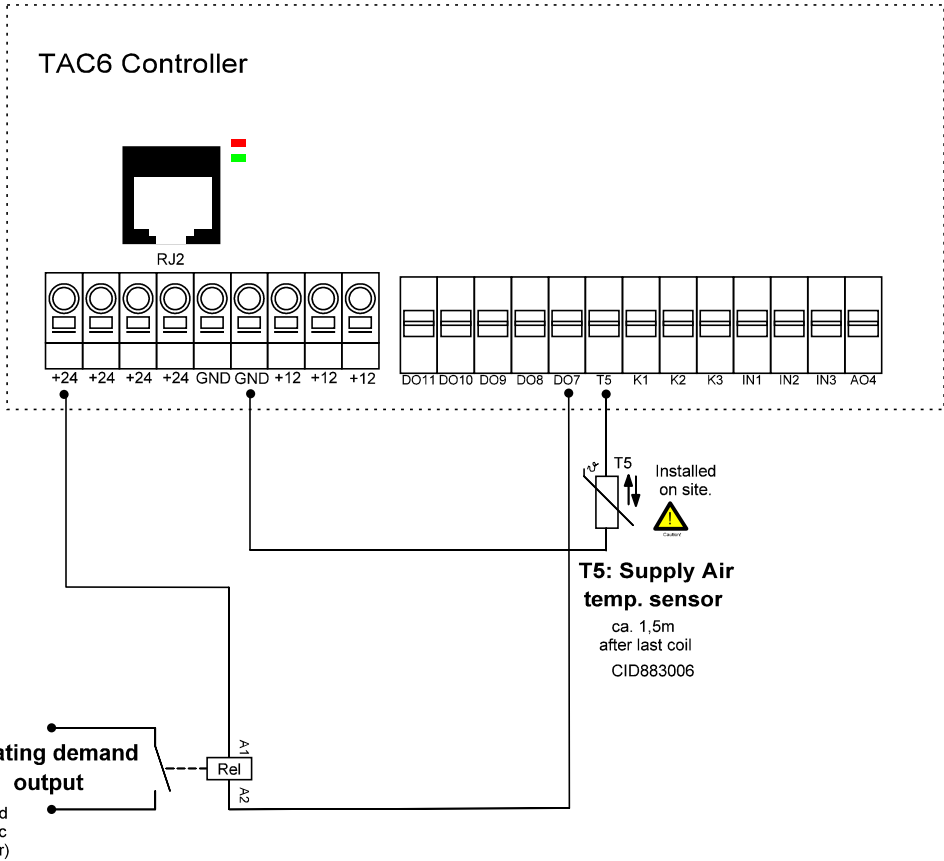


Changes		Name	Date	Configuration of function:	Page
Name	Date	Draw.: msg	16/03/2021	Advanced setup / External coils & Internal coils	23
		check.:			
		Norm.:			
Subject:	GLOBAL_Wiring TAC6 rev 20230408.spl7			Application: Int. heating coil	of 53

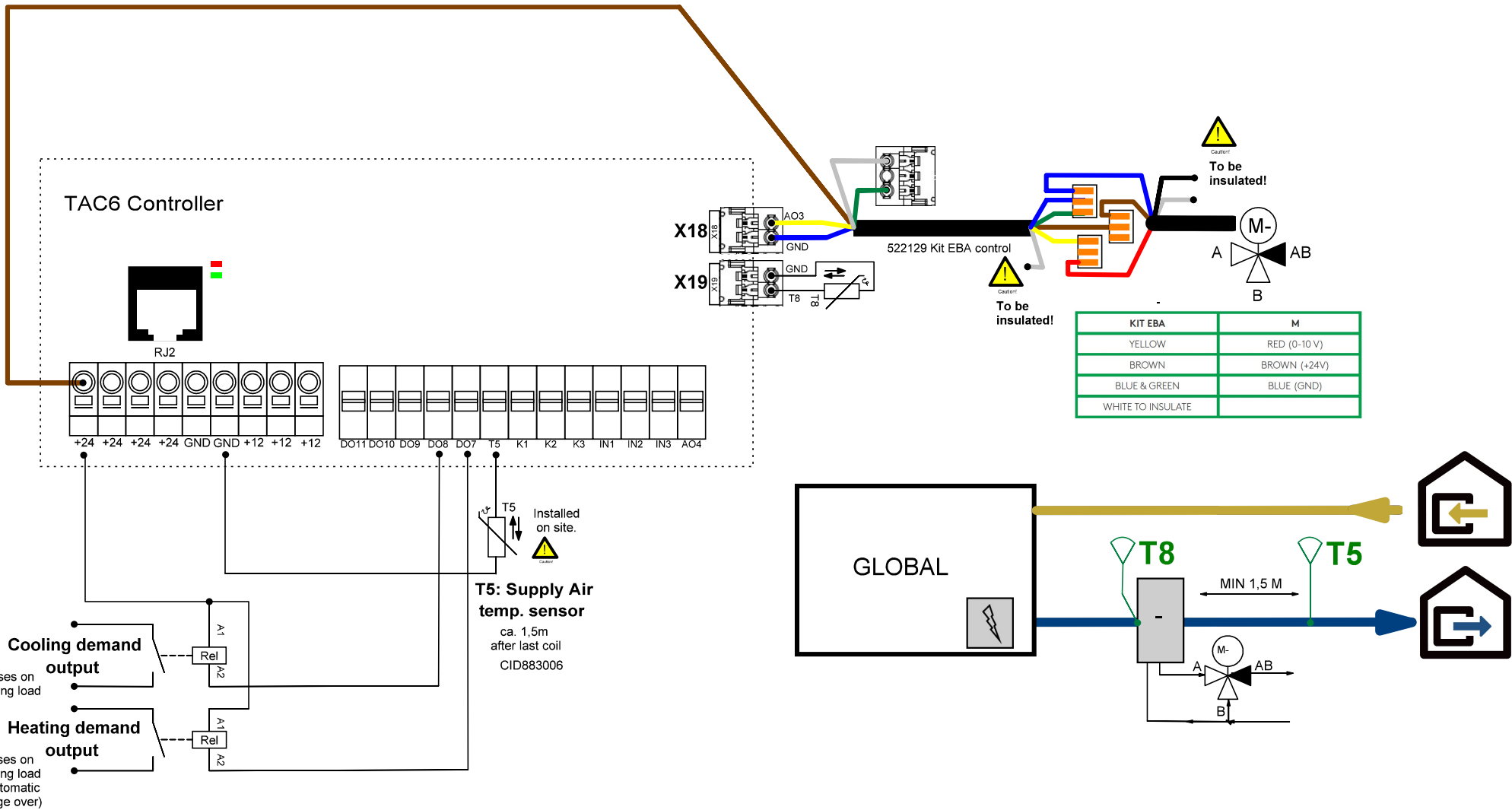


Changes		Name	Date	Configuration of function: <b>Advanced setup / External coils &amp; Internal coils</b>	Page
Name	Date	Draw.: msg	16/03/2021		24
		check.:			
Subject: GLOBAL_Wiring TAC6 rev 20230408.spl7				Application: <b>Int. heating &amp; Ext. cooling</b>	of 53

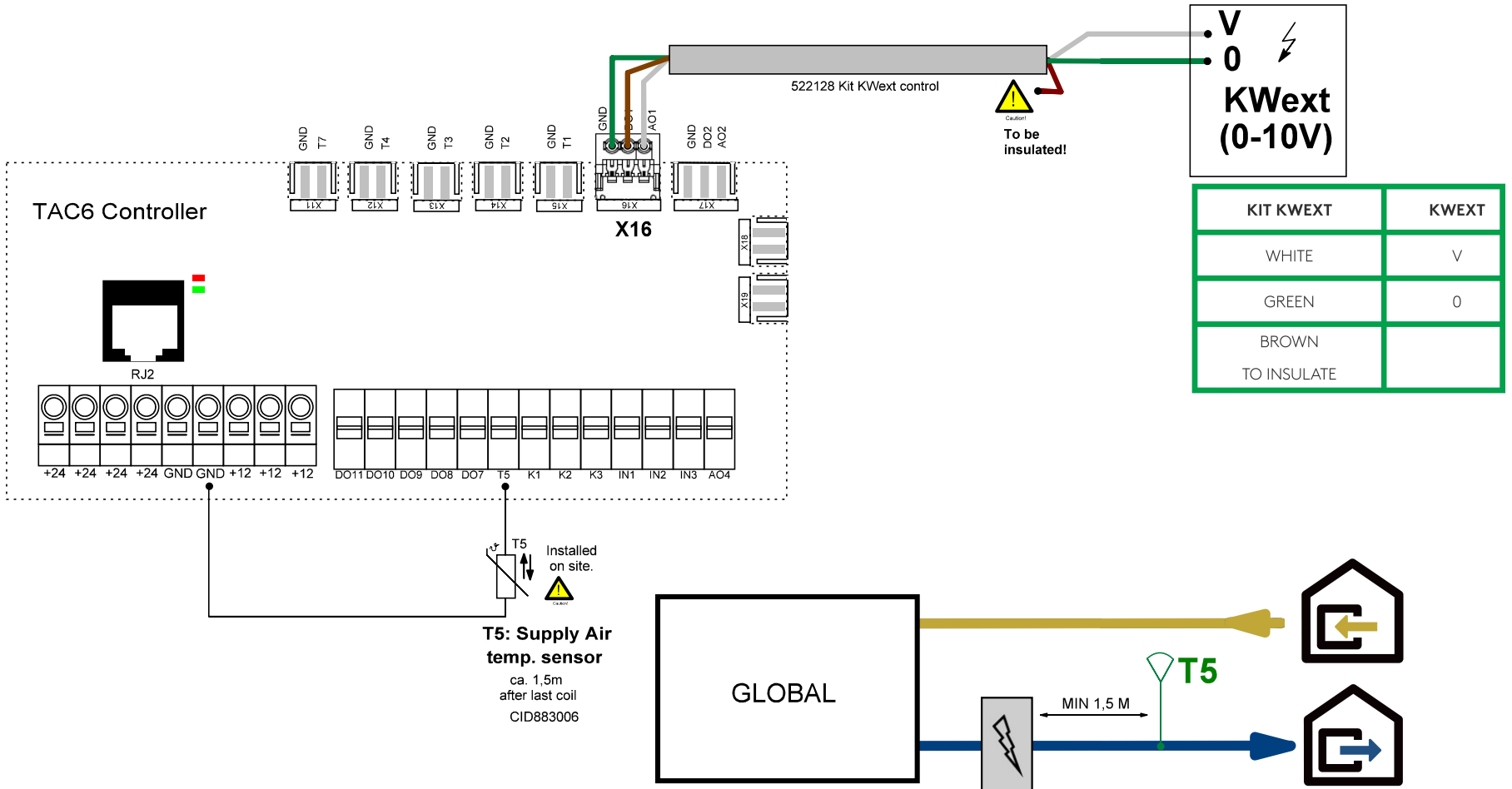




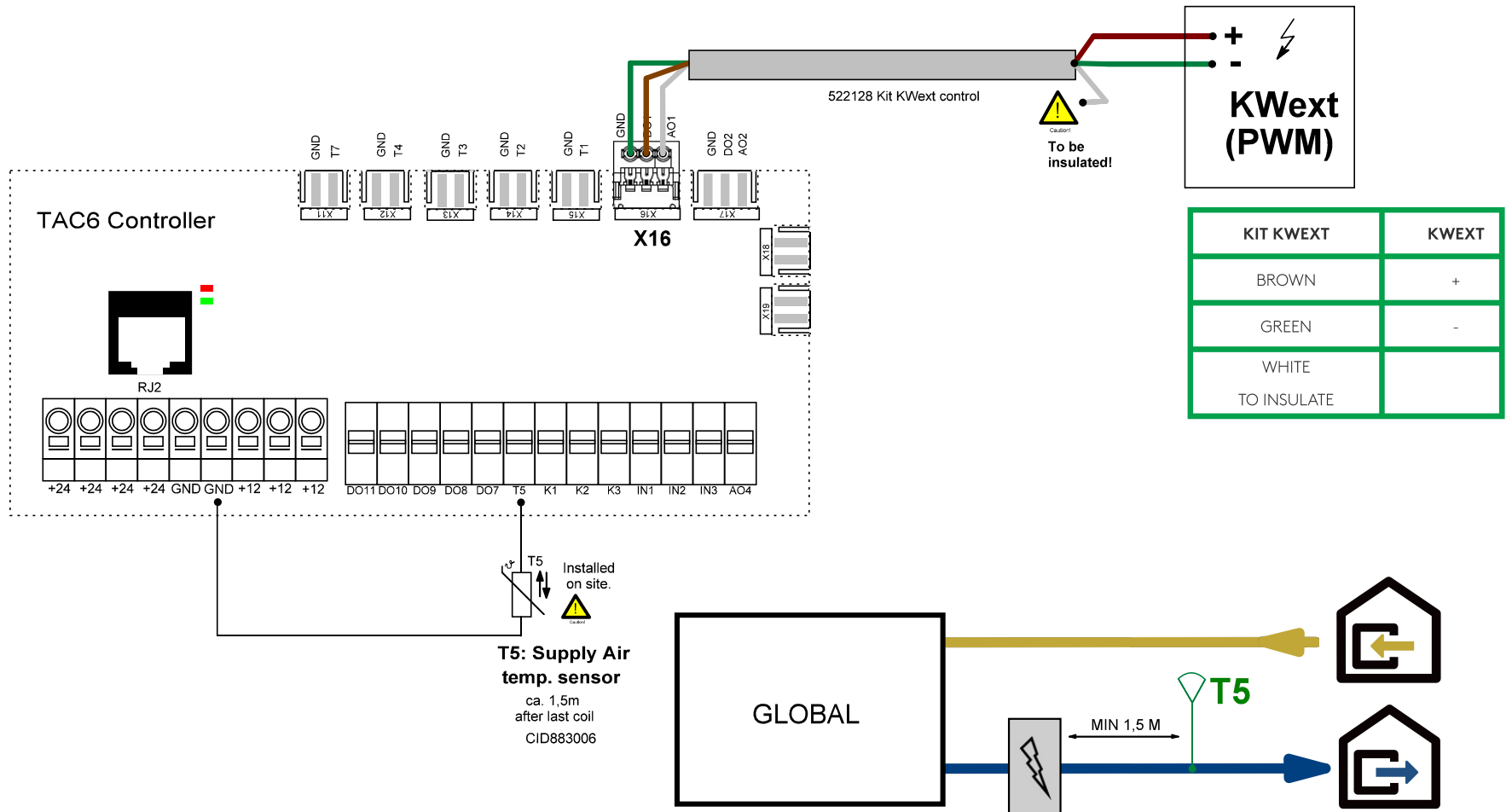
Changes		Name	Date	Configuration of function: <b>Advanced setup / External coils &amp; Internal coils</b>	Page
Name	Date	Draw.: msg	16/03/2021		25
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		Norm:		Application: <b>Int. elec heating</b>	of
Subject:	GLOBAL_Wiring TAC6 rev 20230408.spl7				53



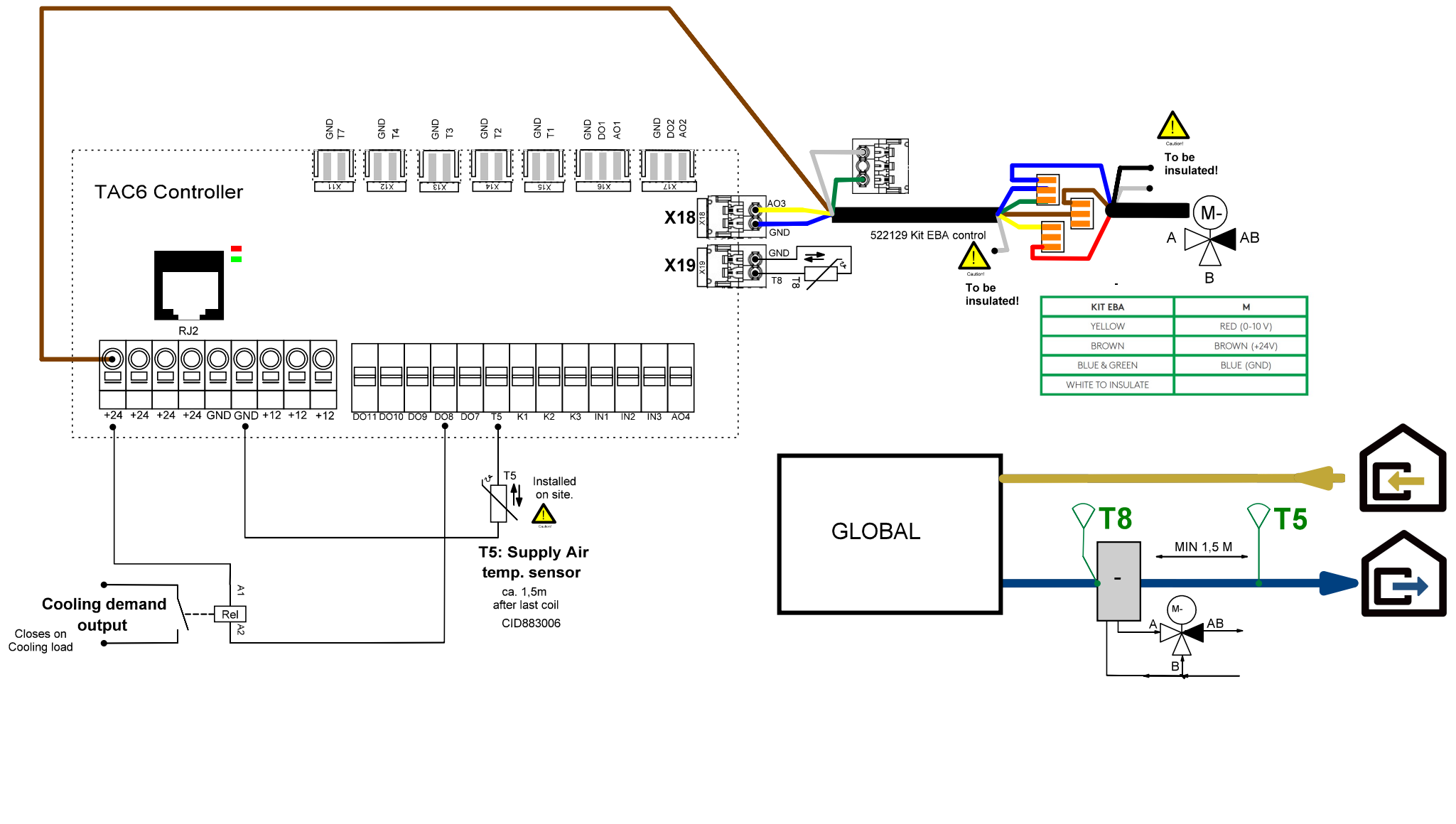
Changes		Name	Date	Configuration of function: Advanced setup / External coils & Internal coils	Page
Name	Date	Draw.:			26
		check.:			
Subject:	GLOBAL_Wiring TAC6 rev 20230408.spl7	Norm:		Application: Int. elec heating & Ext. cool	of 53



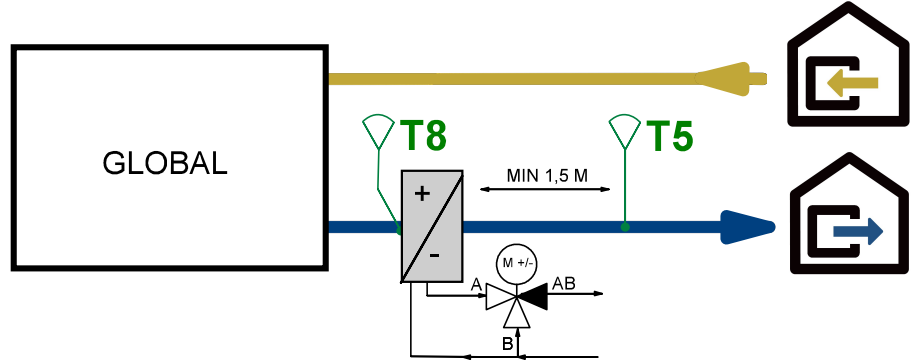
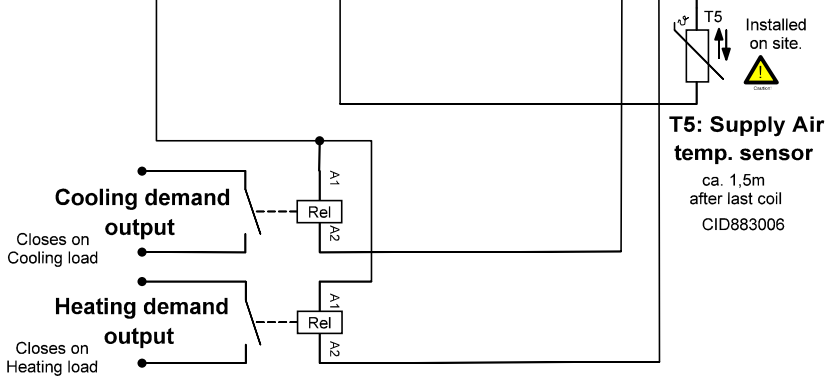
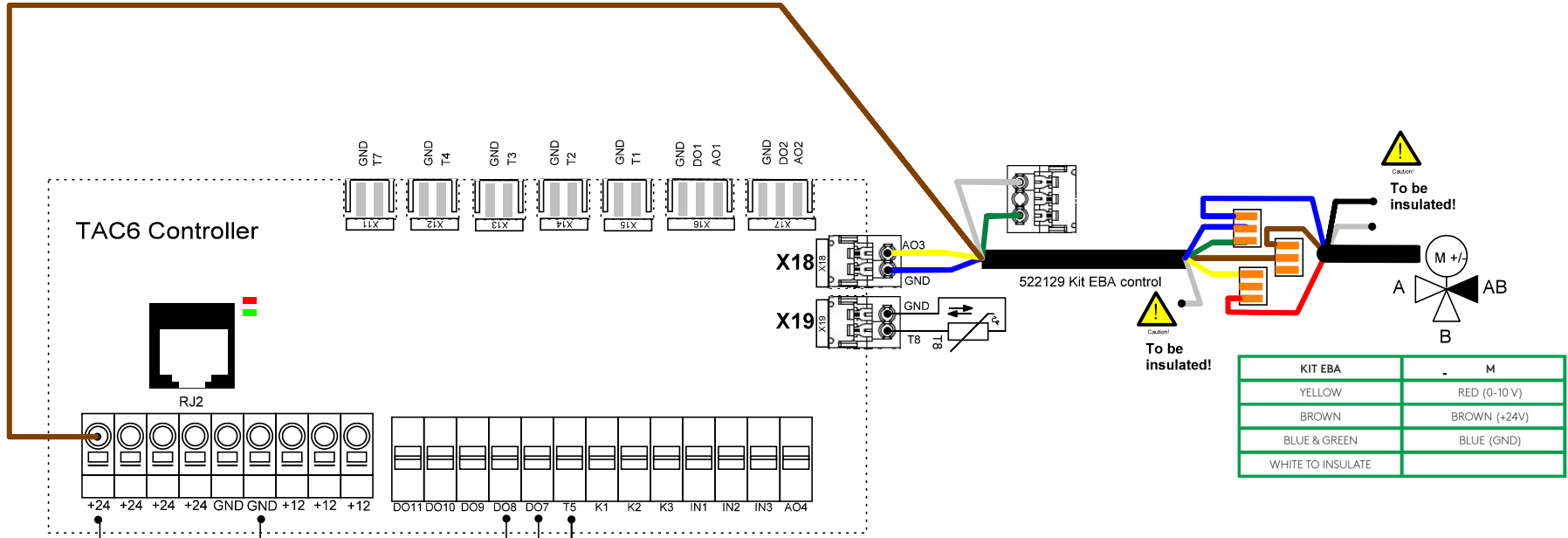
Changes		Name	Date	Configuration of function: Advanced setup / External coils / Electric (0-10V)	Page
Name	Date	Draw.: msg	16/03/2021		27
		check.:			
		Norm:		Application: External elec. heating 0-10V	of 53
Subject:	GLOBAL_Wiring TAC6 rev 20230408.spl7				



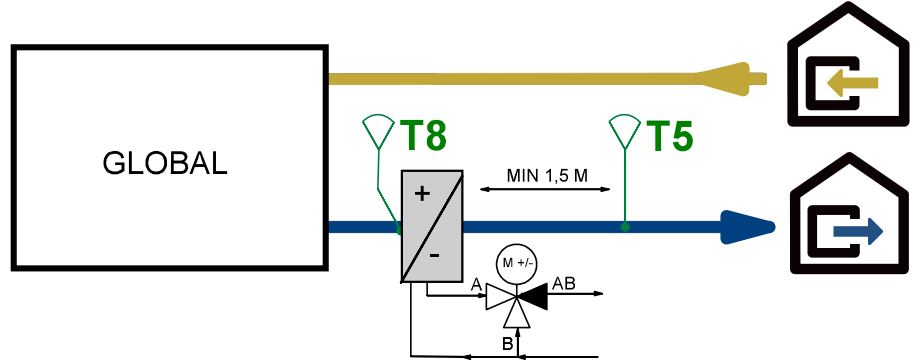
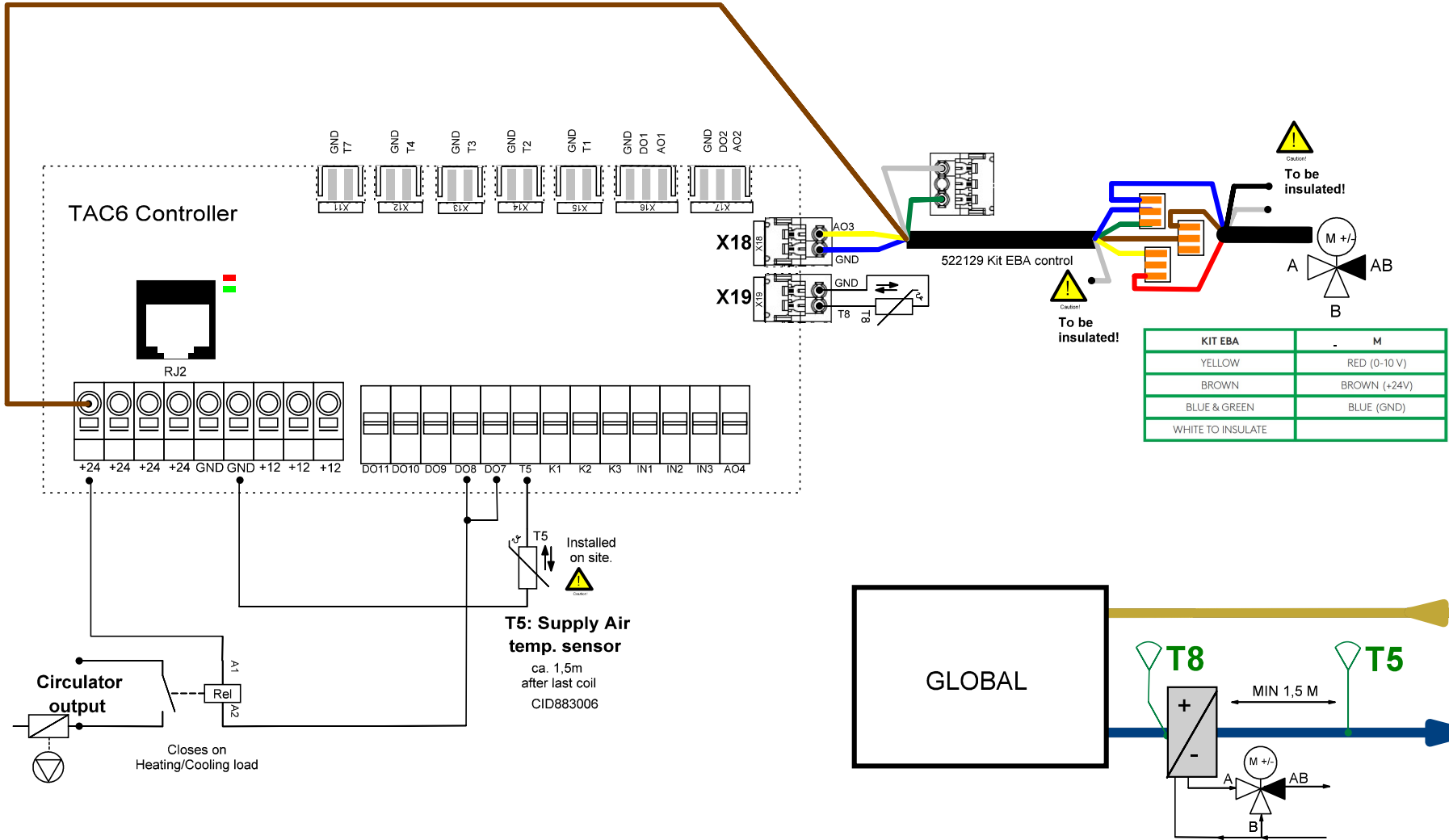
Changes		Name	Date	Configuration of function: Advanced setup / External coils / Electric (PWM)	Page
Name	Date	Draw.: msg	16/03/2021		28
		check.:			
		Norm:			
Subject:	GLOBAL_Wiring TAC6 rev 20230408.spl7			Application: External elec. heating PWM	of 53



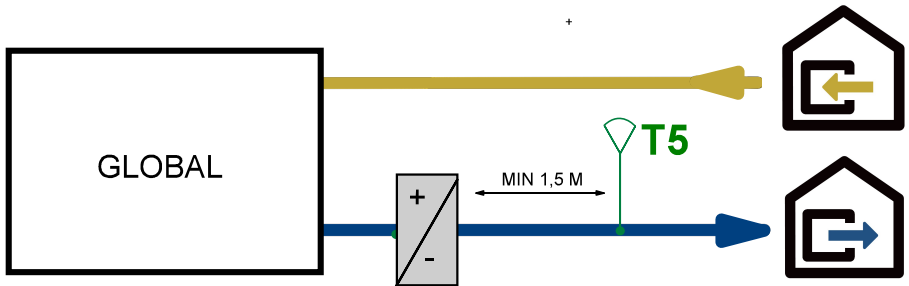
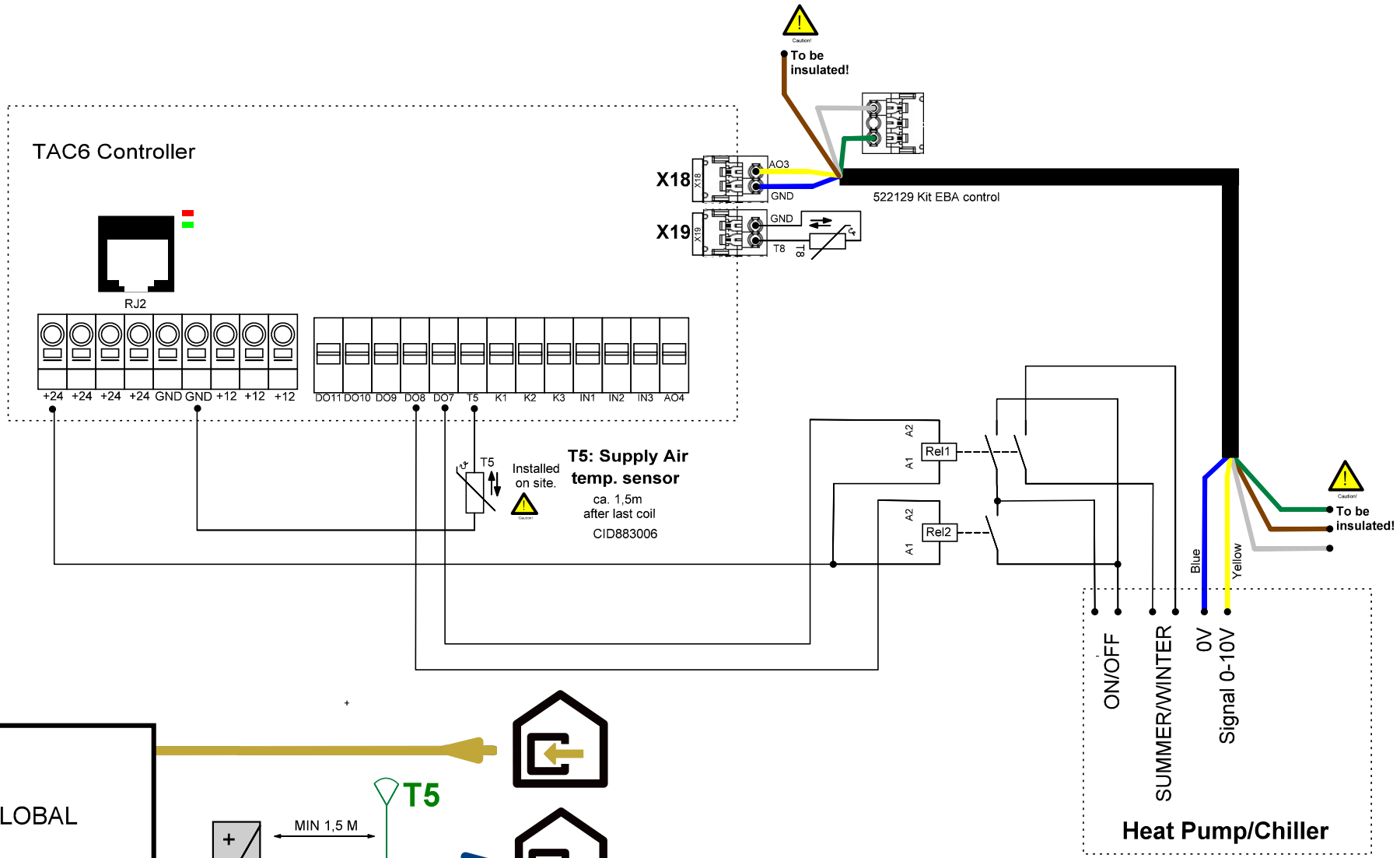
Changes		Name	Date	Configuration of function: <b>Advanced setup / External coils / Cooling</b>	Page
Name	Date	Draw.: msg	16/03/2021		29
		check.:			
		Norm:		Application: <b>External cooling coil</b>	of
Subject:	GLOBAL_Wiring TAC6 rev 20230408.spl7				53



Changes		Name	Date	Configuration of function: Advanced setup / External coils / Reversible	Page
Name	Date	Draw.: msg	16/03/2021		30
		check.:			
Subject:	GLOBAL_Wiring TAC6 rev 20230408.spl7	Norm:		Application: Reversible battery	of 53

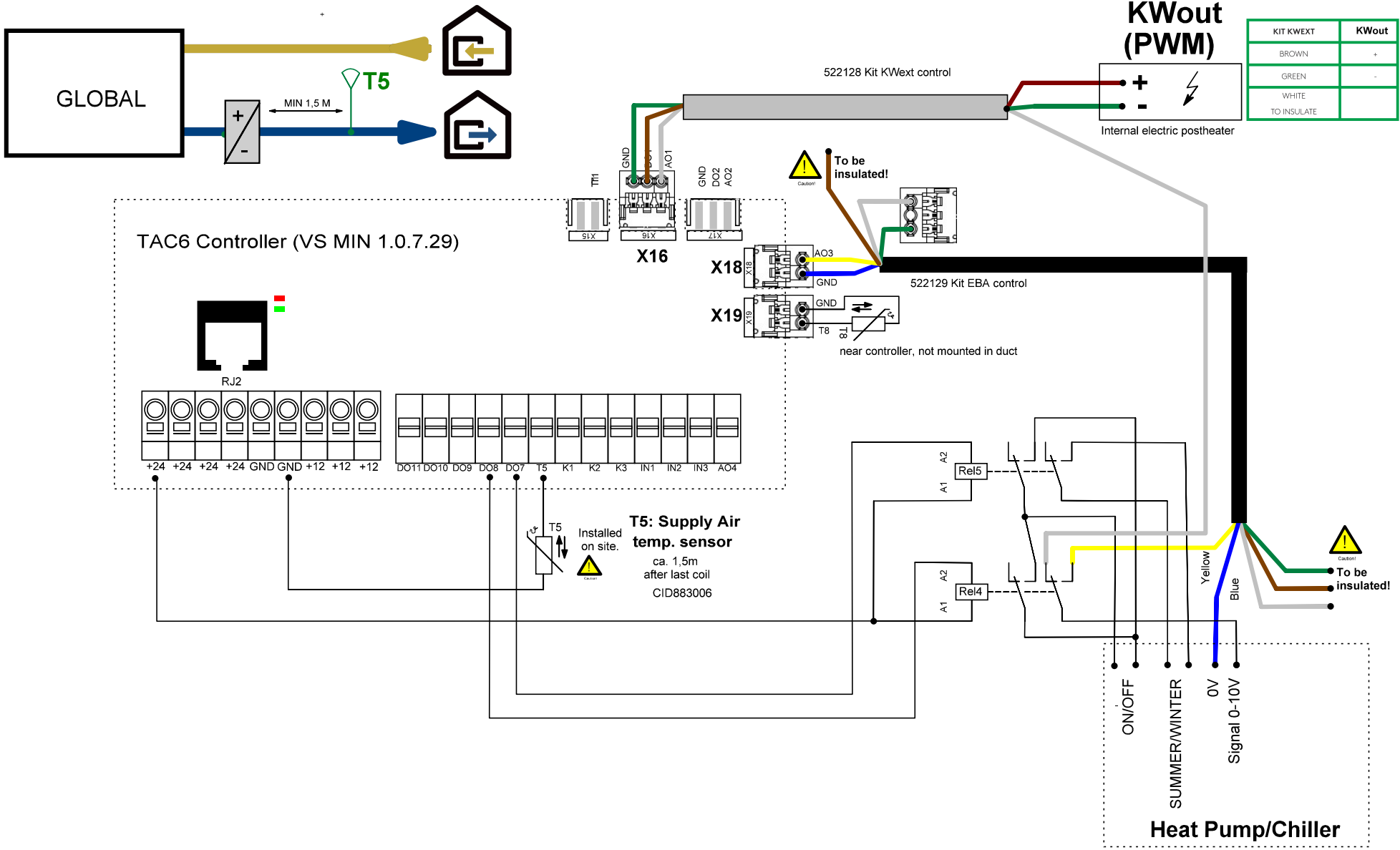


Changes		Name	Date	Configuration of function: Advanced setup / External coils / Reversible	Page
Name	Date	Draw.: msg	16/03/2021		31
		check.:			
		Norm:		Application: Reversible battery with 1 circulator	of 53
Subject:	GLOBAL_Wiring TAC6 rev 20230408.spl7				

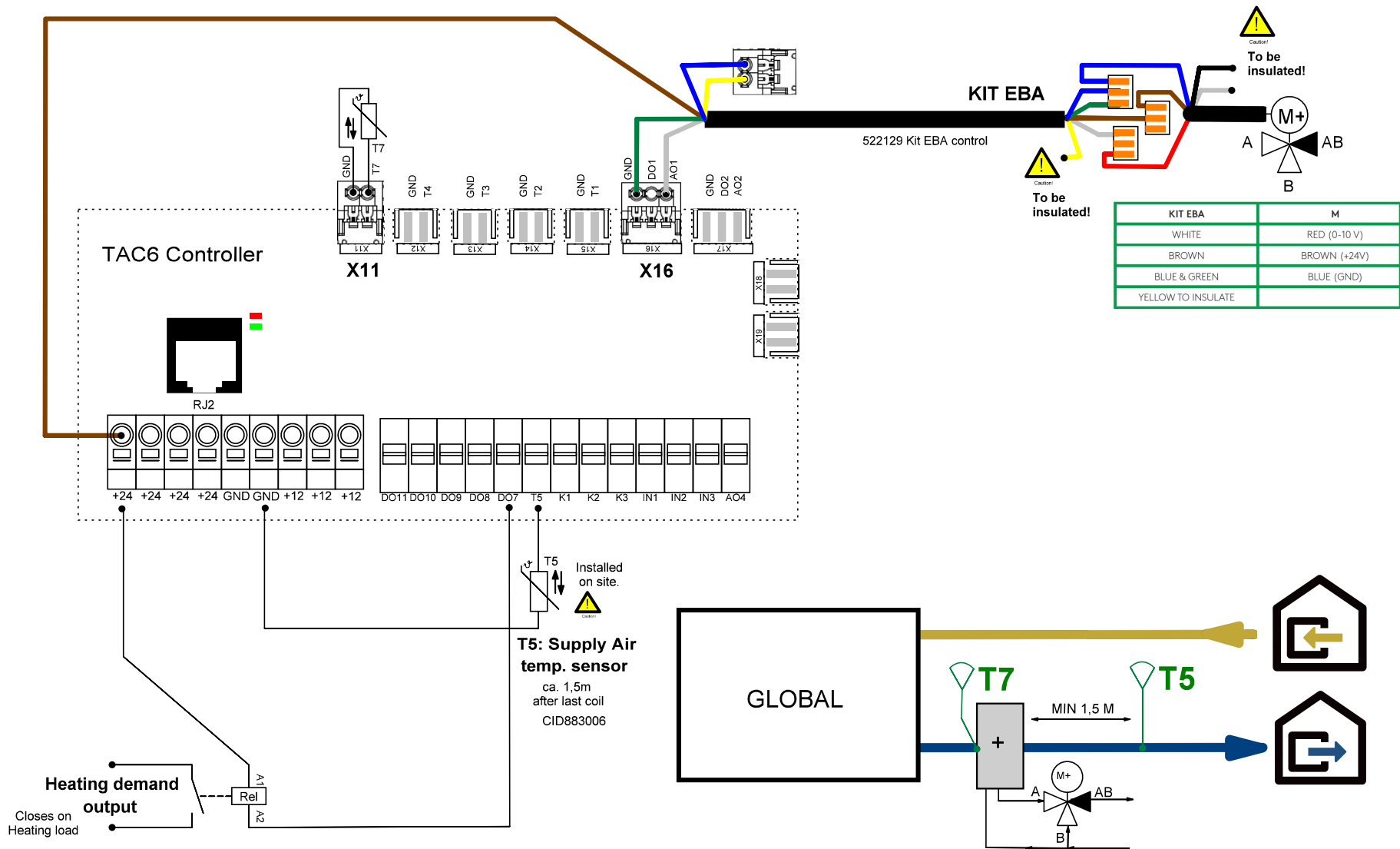


Changes		Name	Date	Configuration of function: Advanced setup / External coils / Reversible	Page
Name	Date	Draw.: msg	11/05/2021		32
		check.:		Application: Heat pump/Chiller	of
Subject:	GLOBAL_Wiring TAC6 rev 20230408.spl7				53

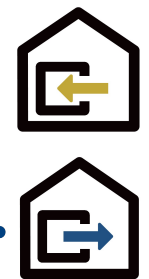
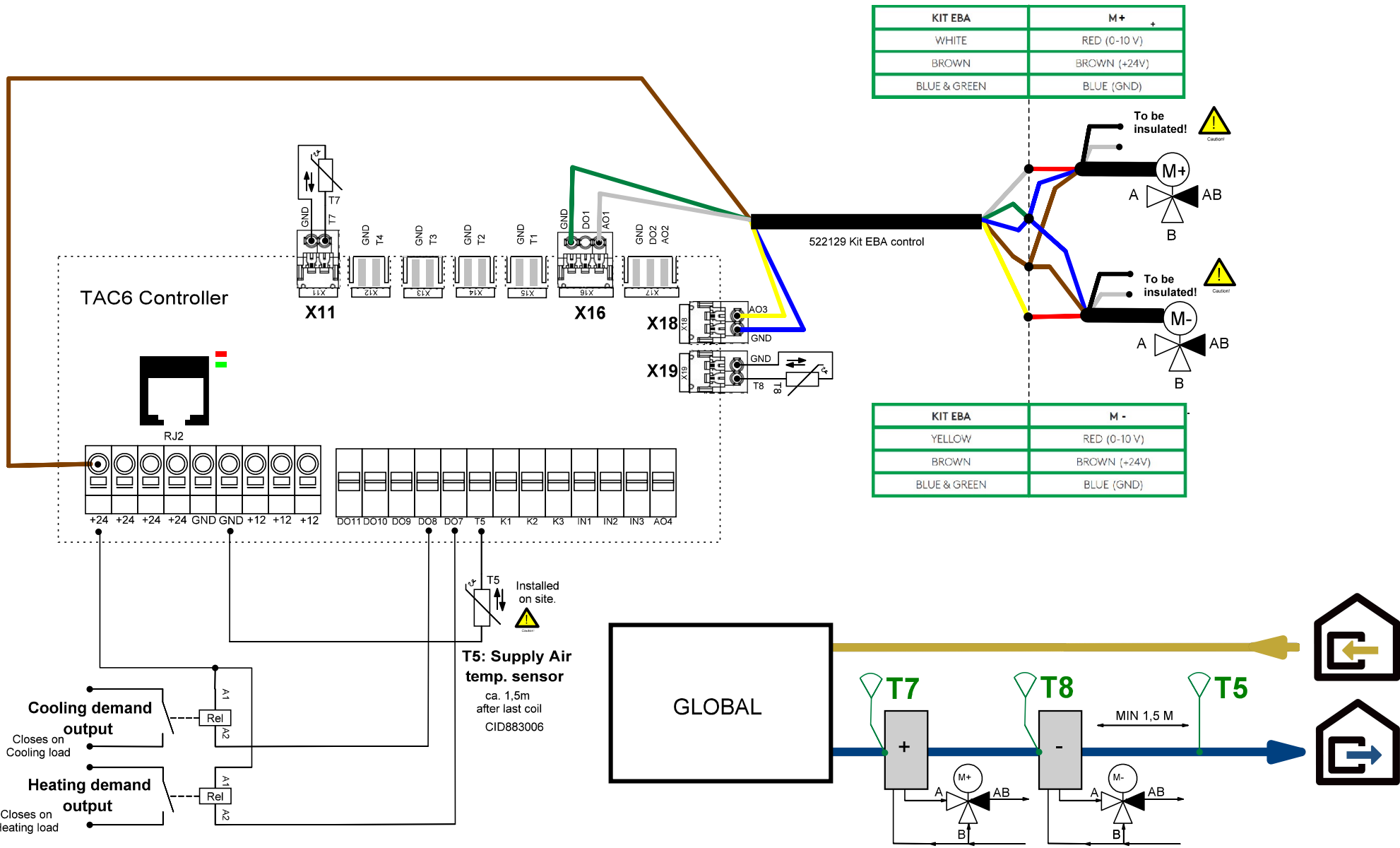




Changes		Name	Date	Configuration of function: Product Setup: KWout Advanced setup / External coils / Electrical 0-10V + Cold water Advanced setup /Changeover: yes; neutral band: at least 1°C	Page
Name	Date	Draw.: msg	17/12/2021		33
		check.:			
Subject:	GLOBAL_Wiring TAC6 rev 20230408.spl7	Norm:		Application: <b>Heat pump/Chiller</b>	of 53



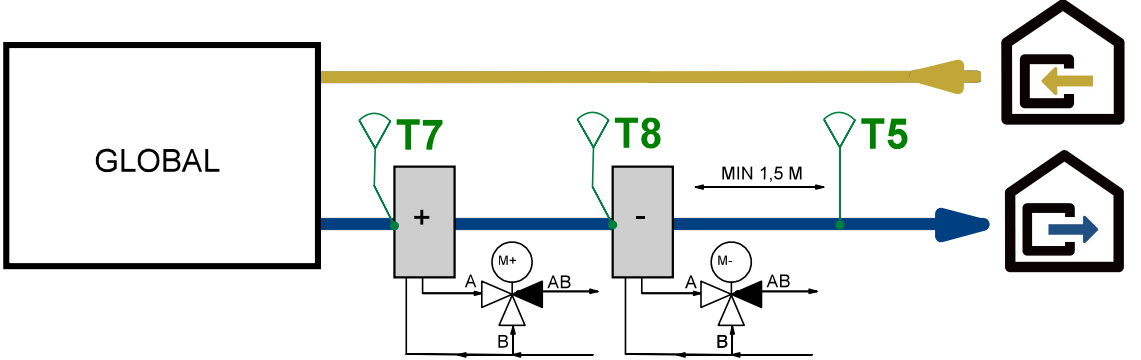
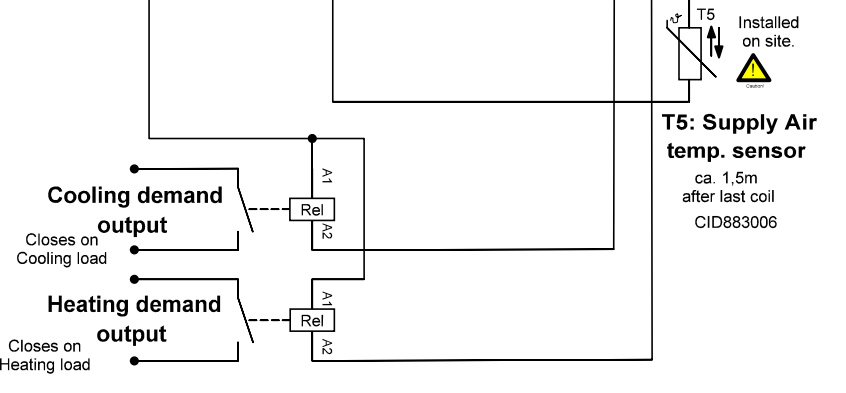
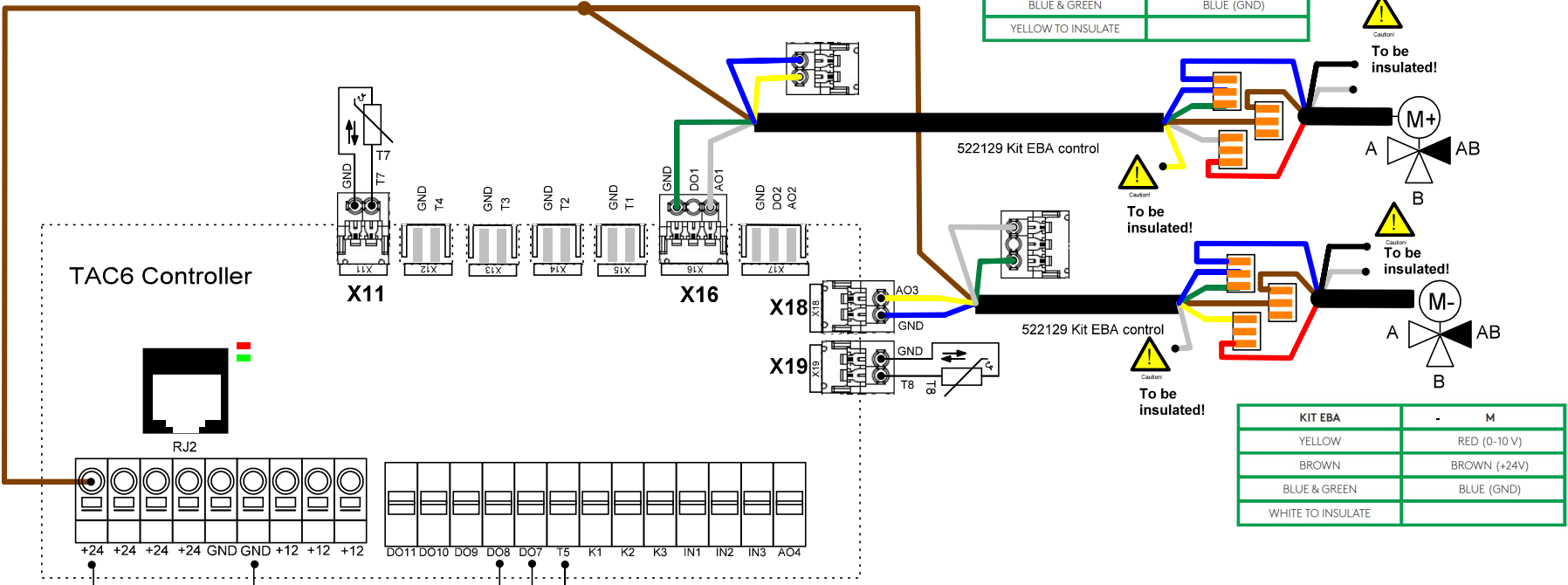
Changes		Name	Date	Configuration of function: Advanced setup / External coils / Hot water	Page
Name	Date	Draw.: msg	16/03/2021		34
		check.:			
		Norm:		Application: External heating coil	of 53
Subject:	GLOBAL_Wiring TAC6 rev 20230408.spl7				



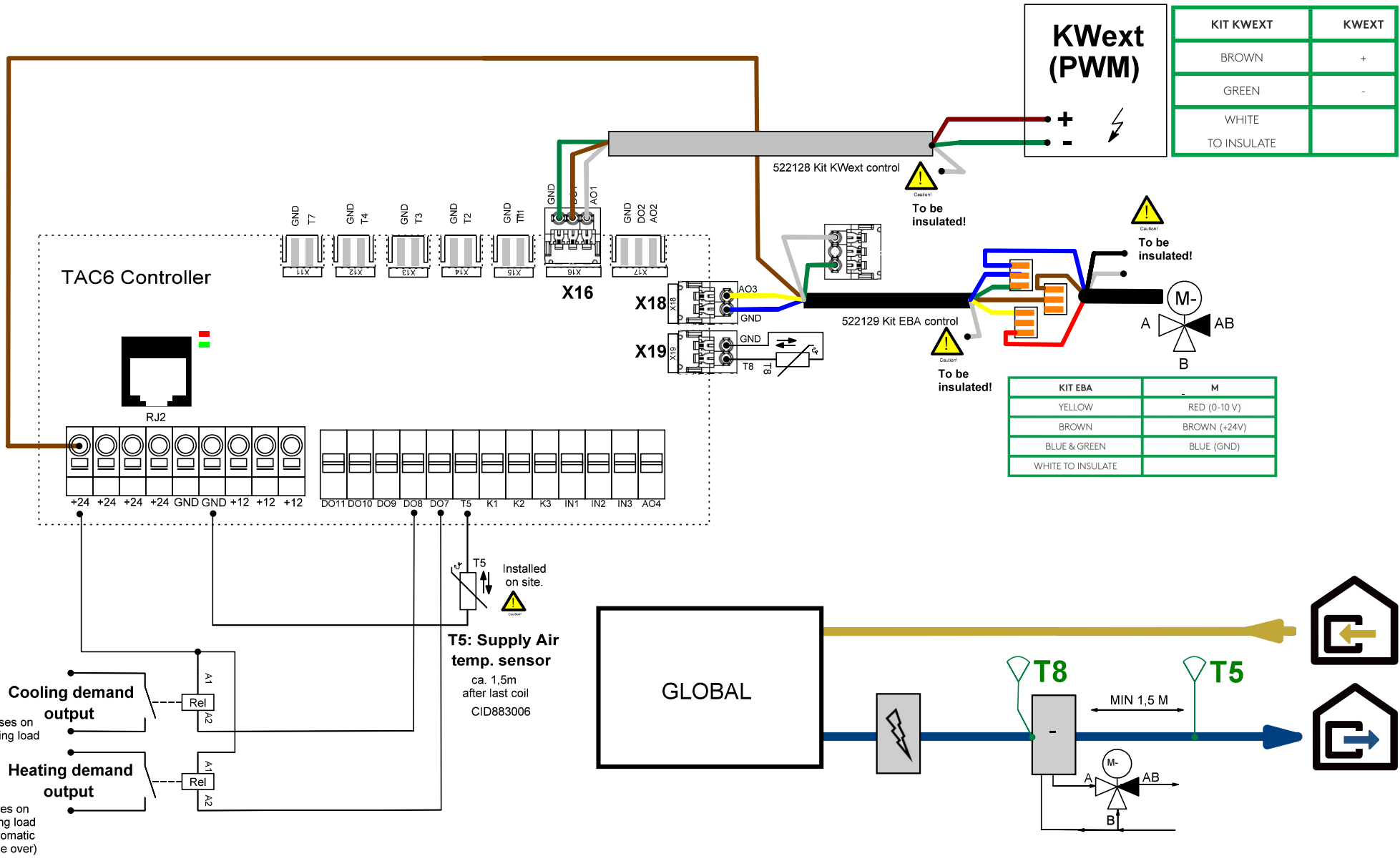
Changes		Name	Date	Configuration of function:	Page
Name	Date	Draw.: msg	16/03/2021	Advanced setup / External coils / Hot water + Cold water	35
		check.:			
		Norm:			
Subject:	GLOBAL_Wiring TAC6 rev 20230408.spl7			Application: Ext. heating & Ext. Cooling 1 (use of 1 EBA cable)	of 53

KIT EBA	M
WHITE	RED (0-10 V)
BROWN	BROWN (+24V)
BLUE & GREEN	BLUE (GND)
YELLOW TO INSULATE	

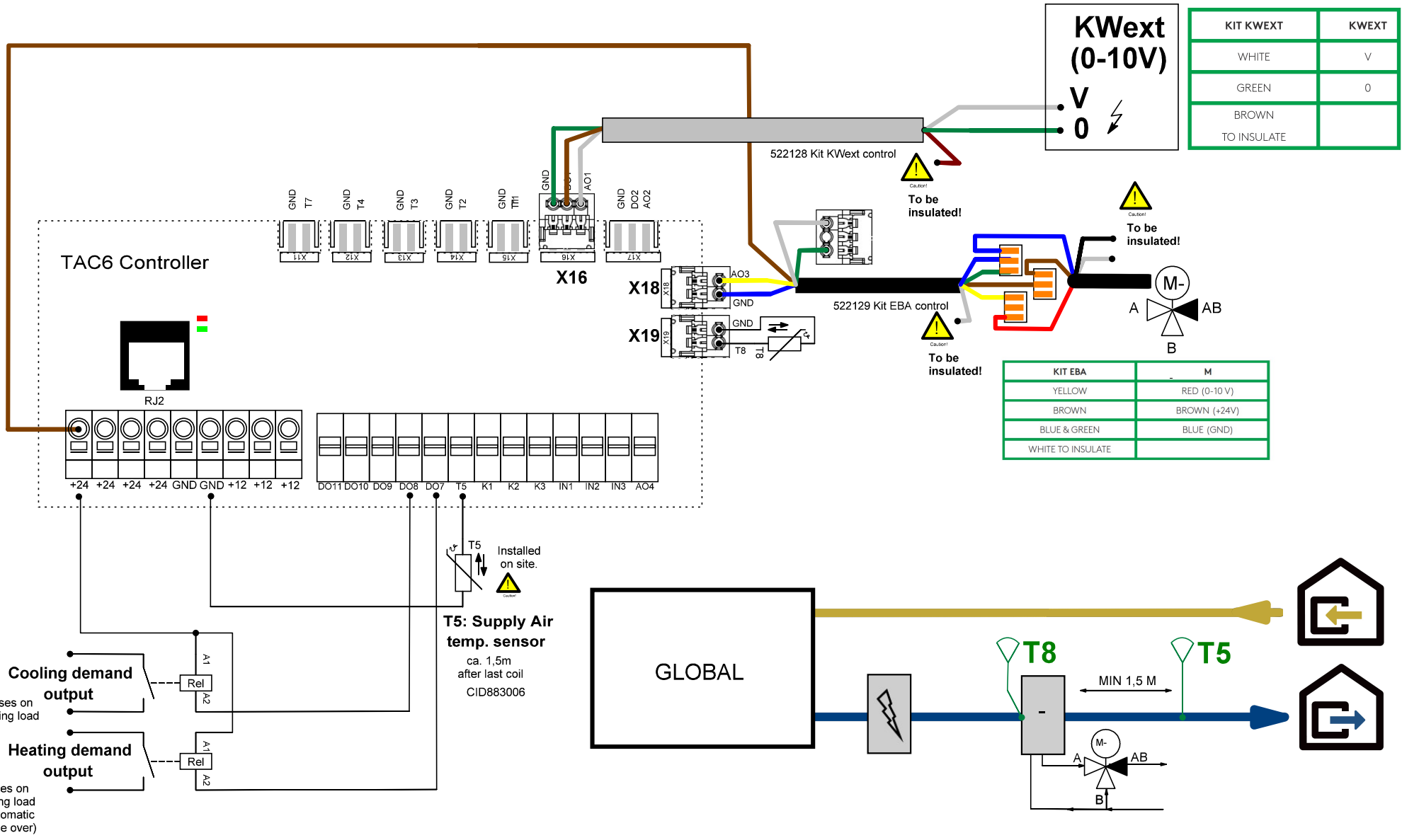
KIT EBA	-	M
YELLOW	RED (0-10 V)	
BROWN	BROWN (+24V)	
BLUE & GREEN	BLUE (GND)	
WHITE TO INSULATE		



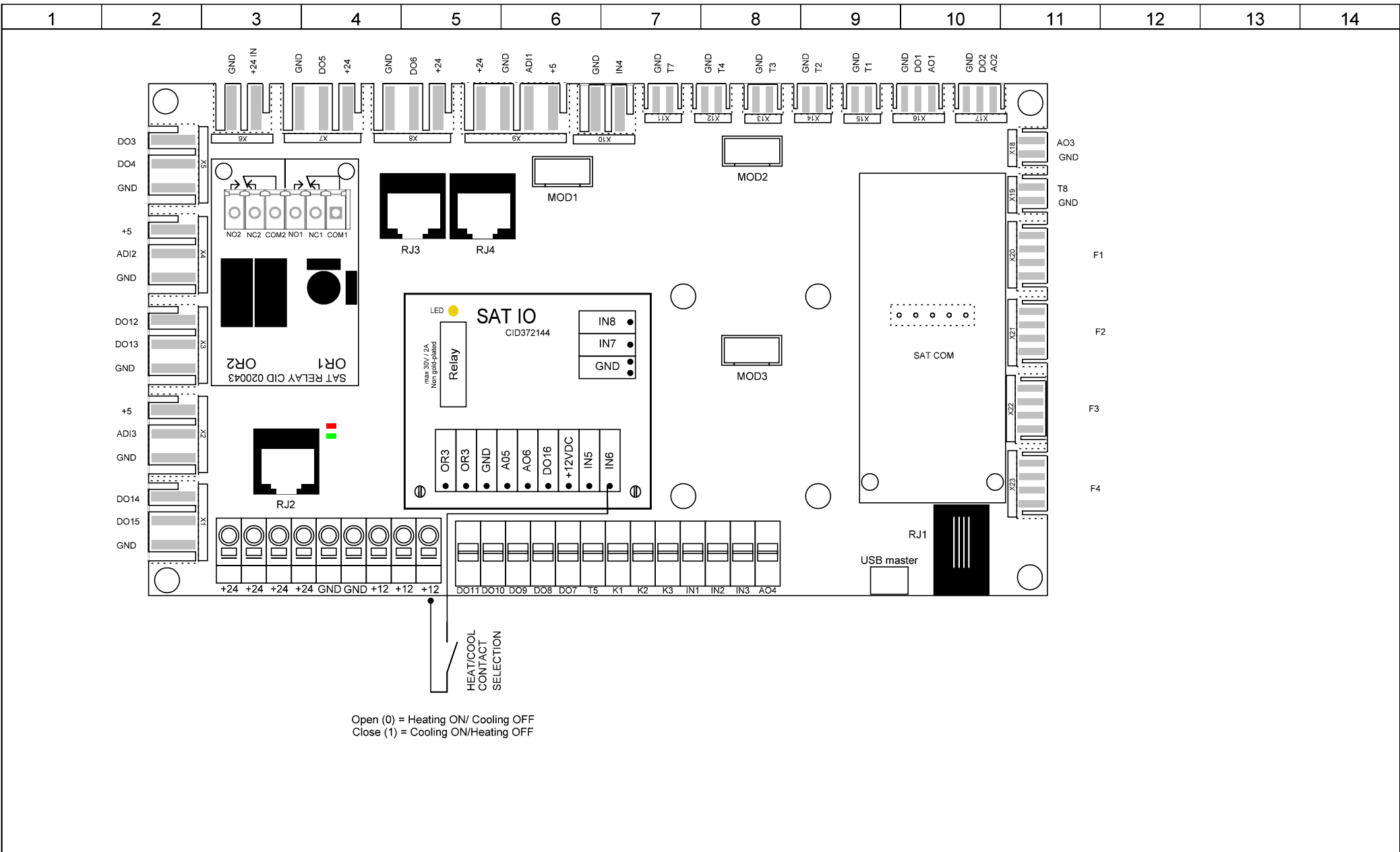
Changes		Name	Date	Configuration of function:	Page
Name	Date	Draw.: msg	16/03/2021	Advanced setup / External coils / Hot water + Cold water	36
		check.:			
		Norm:			
Subject:	GLOBAL_Wiring TAC6 rev 20230408.spl7			Application: Ext. heating & Ext. Cooling 2 (use of 2 EBA cables)	of 53



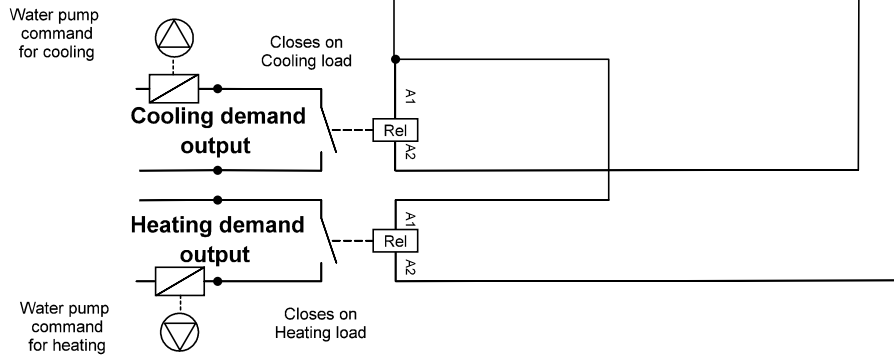
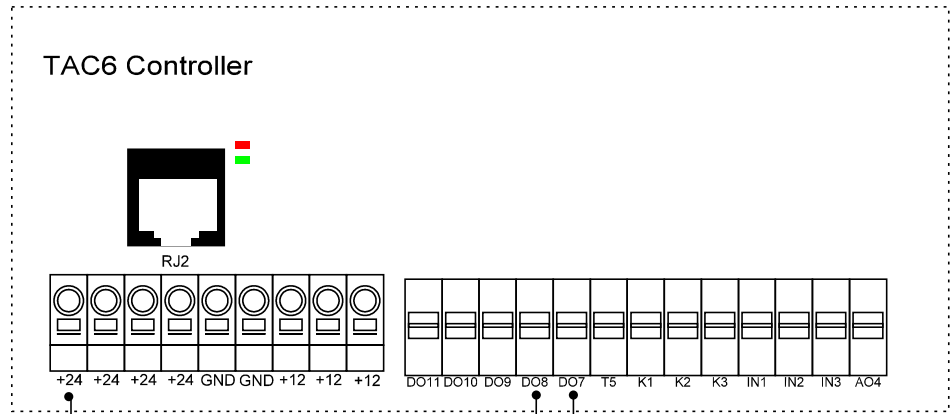
Changes		Name	Date	Configuration of function: <b>Advanced setup / External coils / Electrical PWM + Cold water</b>	Page
Name	Date	Draw.: msg	16/03/2021		37
		check.:			
		Norm:		Application: <b>Ext.elect. heating &amp; Ext. Cool</b>	of 53
Subject:	GLOBAL_Wiring TAC6 rev 20230408.spl7				



Changes		Name	Date	Configuration of function: <b>Advanced setup / External coils / Electrical 0-10V + Cold water</b>	Page
Name	Date	Draw.: msg	16/03/2021		38
		check.:			
		Norm:		Application: <b>Ext.elec. 0-10V &amp; Ext. cool</b>	of
Subject:	GLOBAL_Wiring TAC6 rev 20230408.spl7				53

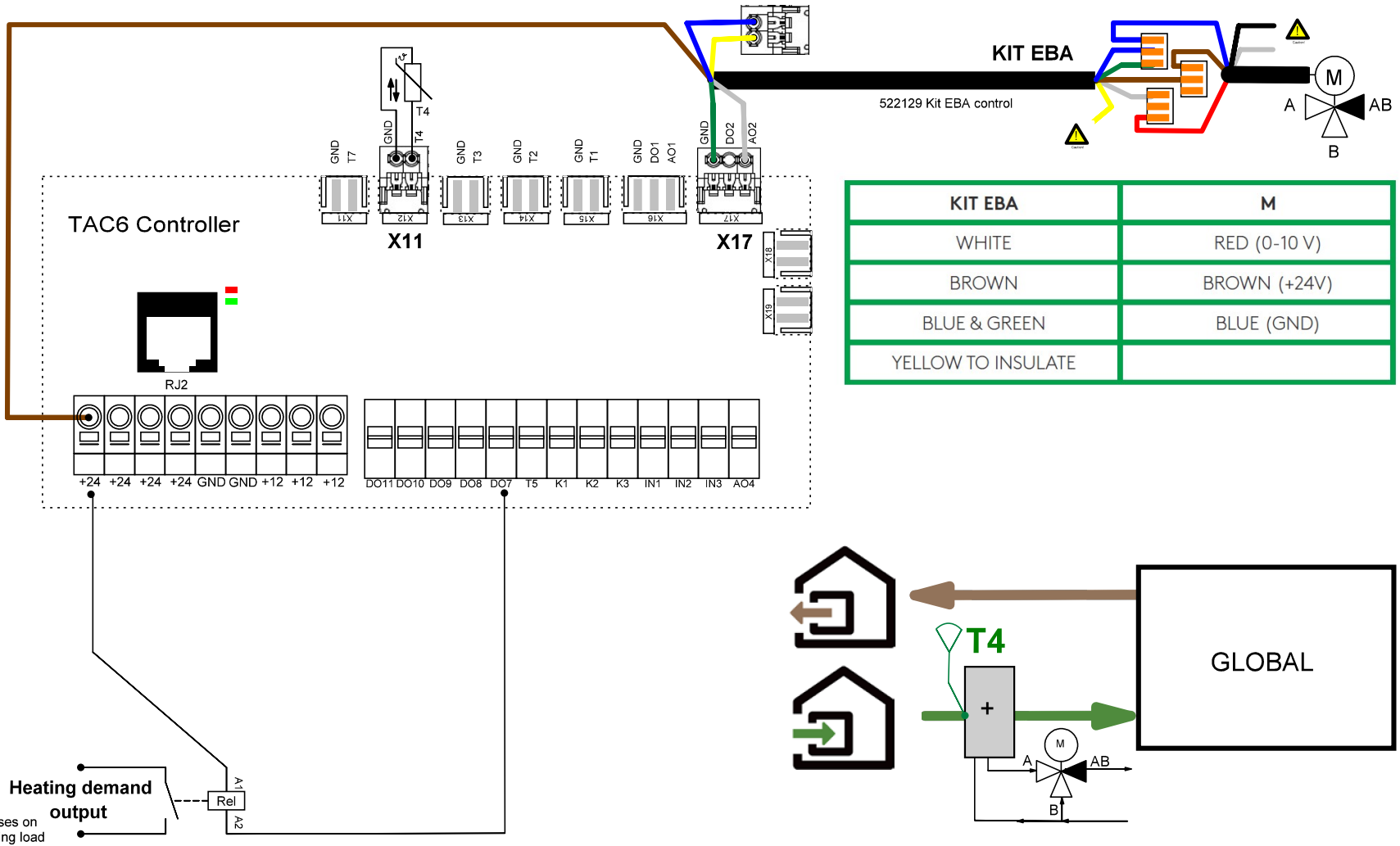


Changes		Name	Date	Selection of heating/cooling in presence of postheater/postcooler. In alternative to heat/cool selection via: - TACtouch control screen button for heat/coo user selection - Automatic changeover - BMS heat/cool selection control	Page
Name	Date	Draw.: msg	16/03/2021		39
		check.:			
Subject:	GLOBAL_Wiring TAC6 rev 20230408.spl7	Norm:		Application: <b>HEAT/COOL CONTACT SELECTION</b>	of 53




Changes		Name	Date	Configuration of function:	Page
Name	Date	Draw.: msg	16/03/2021		40
		check.:		Application: Circulator pump (with hydraulic coils)	of
Subject:	GLOBAL_Wiring TAC6 rev 20230408.spl7				53

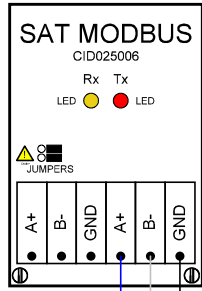




Changes		Name	Date	Configuration of function: Product setup / Preheater = BAin	Page
Name	Date	Draw.: msg	16/03/2021		41
		check.:			
		Norm:		Application: External Hydraulic Preheater	of 53
Subject:	GLOBAL_Wiring TAC6 rev 20230408.spl7				


AHU1

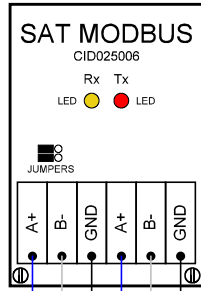
 The SAT circuits must be plugged in correctly before the main circuit is powered. Wrong positioning can damage both circuits.



Modbus RTU RS485

AHU2


 The SAT circuits must be plugged in correctly before the main circuit is powered. Wrong positioning can damage both circuits.

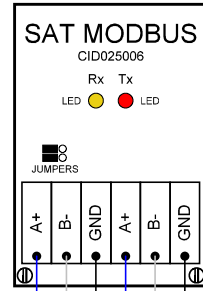


Modbus RTU RS485

Modbus RTU RS485

AHU3 ... AHU64

 The SAT circuits must be plugged in correctly before the main circuit is powered. Wrong positioning can damage both circuits.



Modbus RTU RS485

Modbus RTU RS485

To BMS

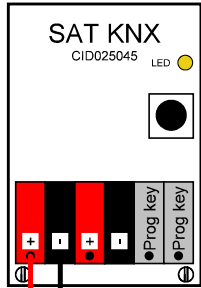
The cables used in the network must conform to RS-485 Standard with twisted pair conductors. The cables must be shielded. Conductor Area 0.26 mm<sup>2</sup> to 0.50mm<sup>2</sup>. The total length must not exceed 1.000 meters.

Depending on Modbus Master device manufacturer, it may be necessary to invert A+ and B- wires on its connectors. 

Changes		Name	Date	Configuration of function: <b>Advanced setup/ Modbus</b>	Page
Name	Date	Draw.: msg	16/03/2021		42
		check.:			
		Norm:		Application: <b>Modbus RTU</b>	of
Subject:	GLOBAL_Wiring TAC6 rev 20230408.spl7				53

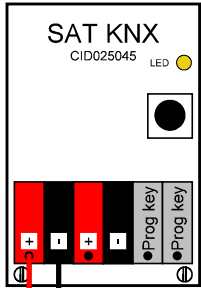
AHU1

**Caution!** The SAT circuits must be plugged in correctly before the main circuit is powered. Wrong positioning can damage both circuits.



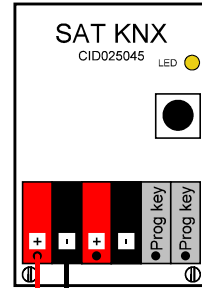
AHU2

**Caution!** The SAT circuits must be plugged in correctly before the main circuit is powered. Wrong positioning can damage both circuits.

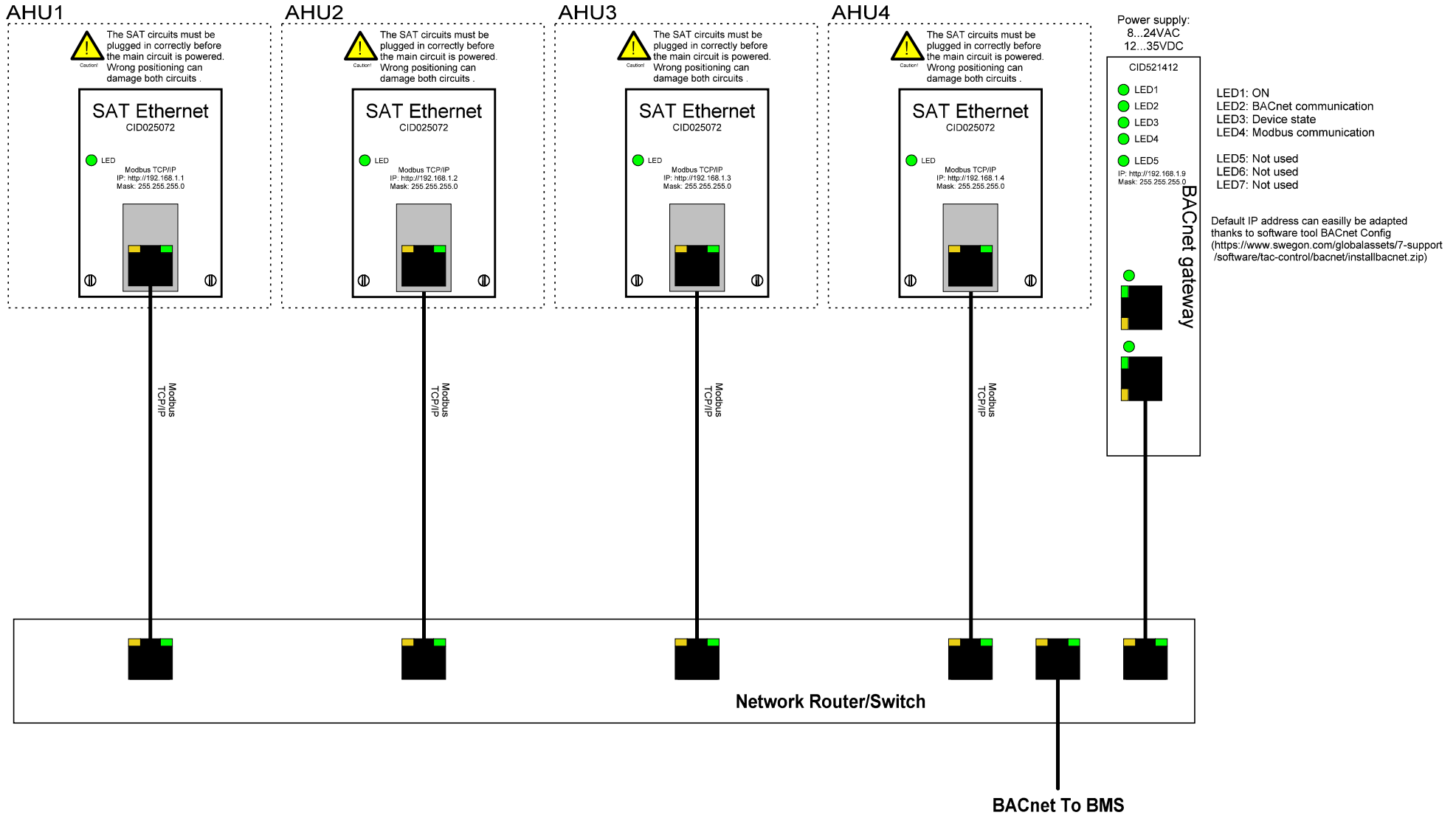


AHU3...AHU64

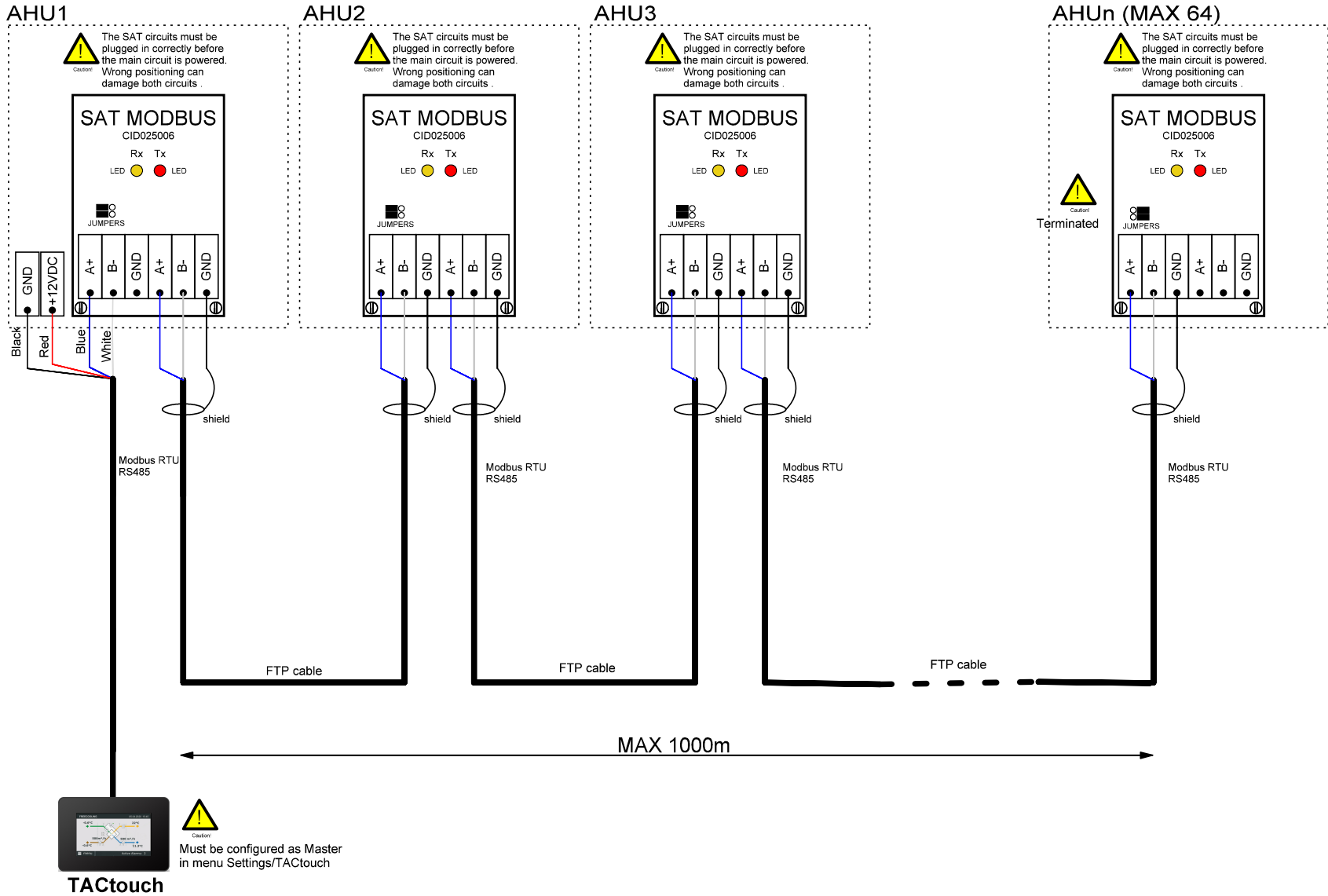
**Caution!** The SAT circuits must be plugged in correctly before the main circuit is powered. Wrong positioning can damage both circuits.



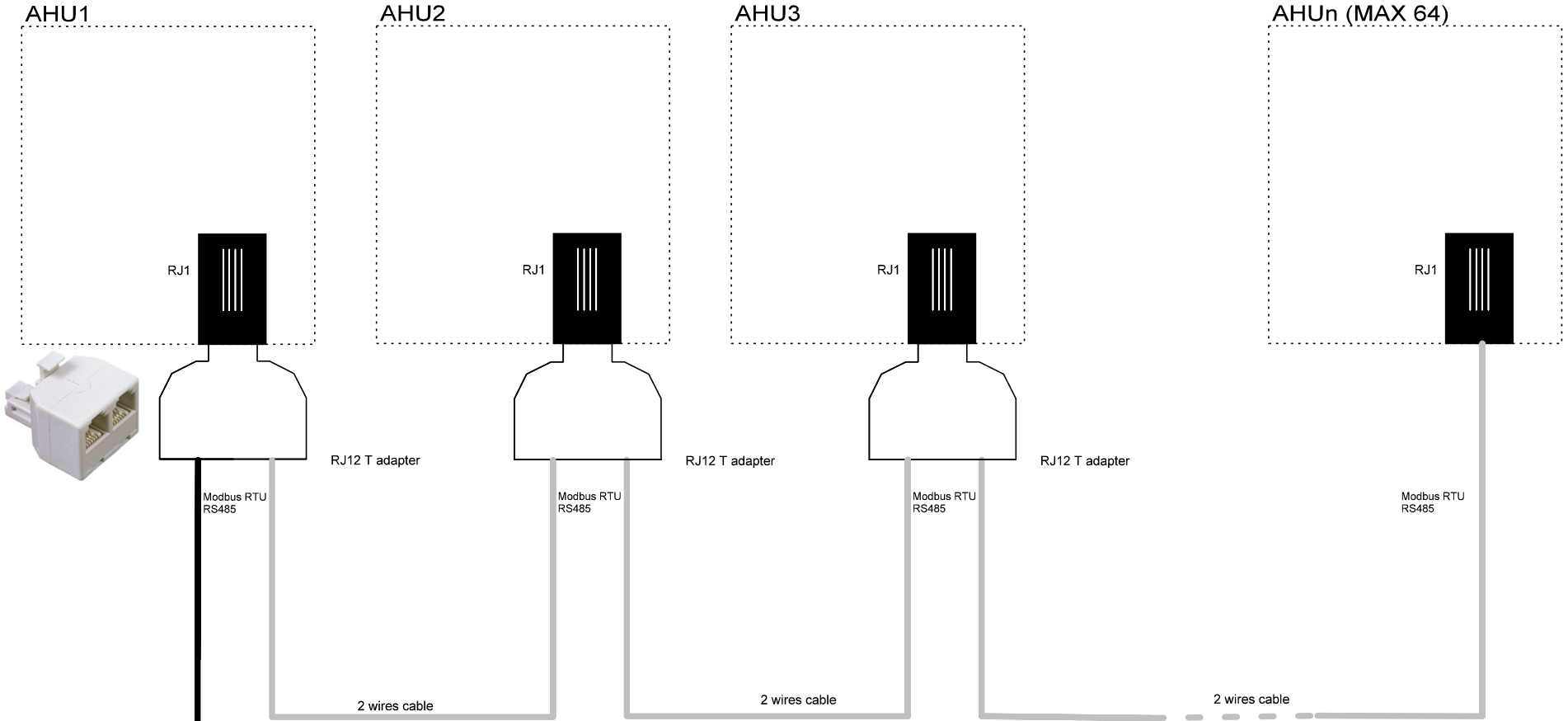
Changes		Name	Date	Configuration of function:	Page
Name	Date	Draw.: msg	16/03/2021		43
		check.:			
		Norm:		Application: KNX	of 53
Subject:	GLOBAL_Wiring TAC6 rev 20230408.spl7				



Changes		Name	Date	Configuration of function: <b>Advanced setup/ SAT LAN</b>	Page
Name	Date	Draw.: msg	16/03/2021		44
		check.:			
		Norm:		Application: <b>BACnet</b>	of
Subject:	GLOBAL_Wiring TAC6 rev 20230408.spl7				53



Changes		Name	Date	Configuration of function: TACtouch setup: TACtouch Master Network Screen	Page
Name	Date	Draw.: msg	16/03/2021		Application: TACtouch centralised
		check.:		of	
Subject:	GLOBAL_Wiring TAC6 rev 20230408.spl7			53	



← MAX 100m →

Pinout for RJ12/RJ11 plug:  
**ATTENTION!!!**  
 USE ONLY THE 2 PINS IN THE MIDDLE WITH WIRES ALWAYS ON SAME POSITION:  
 1-void  
 2-void  
 3-wire 1  
 4-wire 2  
 5-void  
 6-void

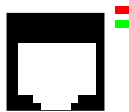
**ATTENTION!!! DO NOT WIRE ALL OTHER PINS!!!**

**TACtouch**  
 ⚠️  
 Must be configured as Master  
 in menu Settings/TACtouch

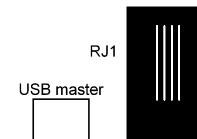
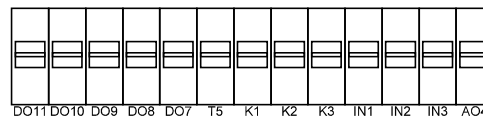
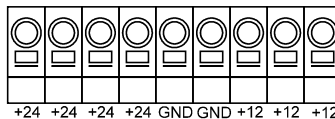


Changes		Name	Date	Configuration of function: Product setup: configure HMI port with correct address TACtouch setup: TACtouch Master Network Screen	Page
Name	Date	Draw.: msg	16/03/2021		46
		check.:			
		Norm:		Application: TACtouch centralised short	of 53
Subject:	GLOBAL_Wiring TAC6 rev 20230408.spl7				

### TAC6 Controller

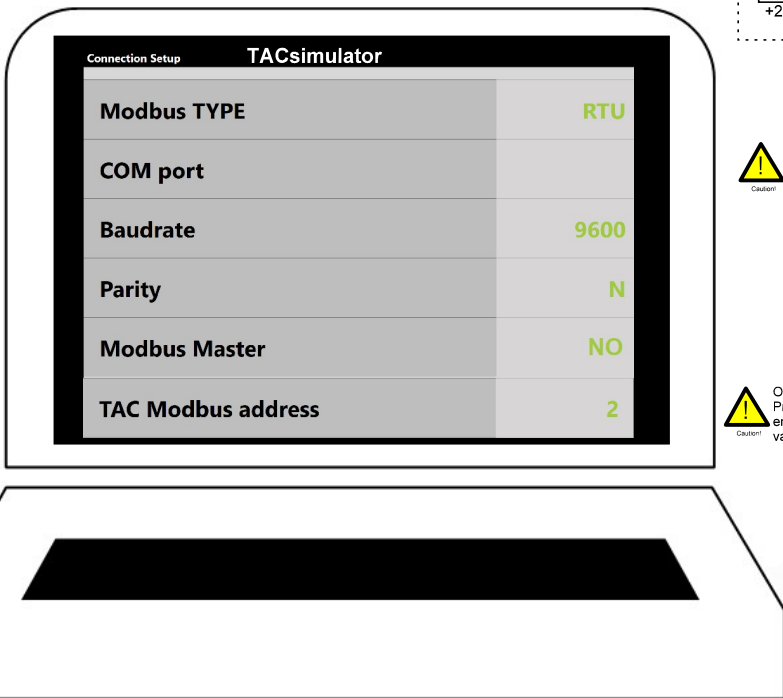


RJ2



RJ1

USB master



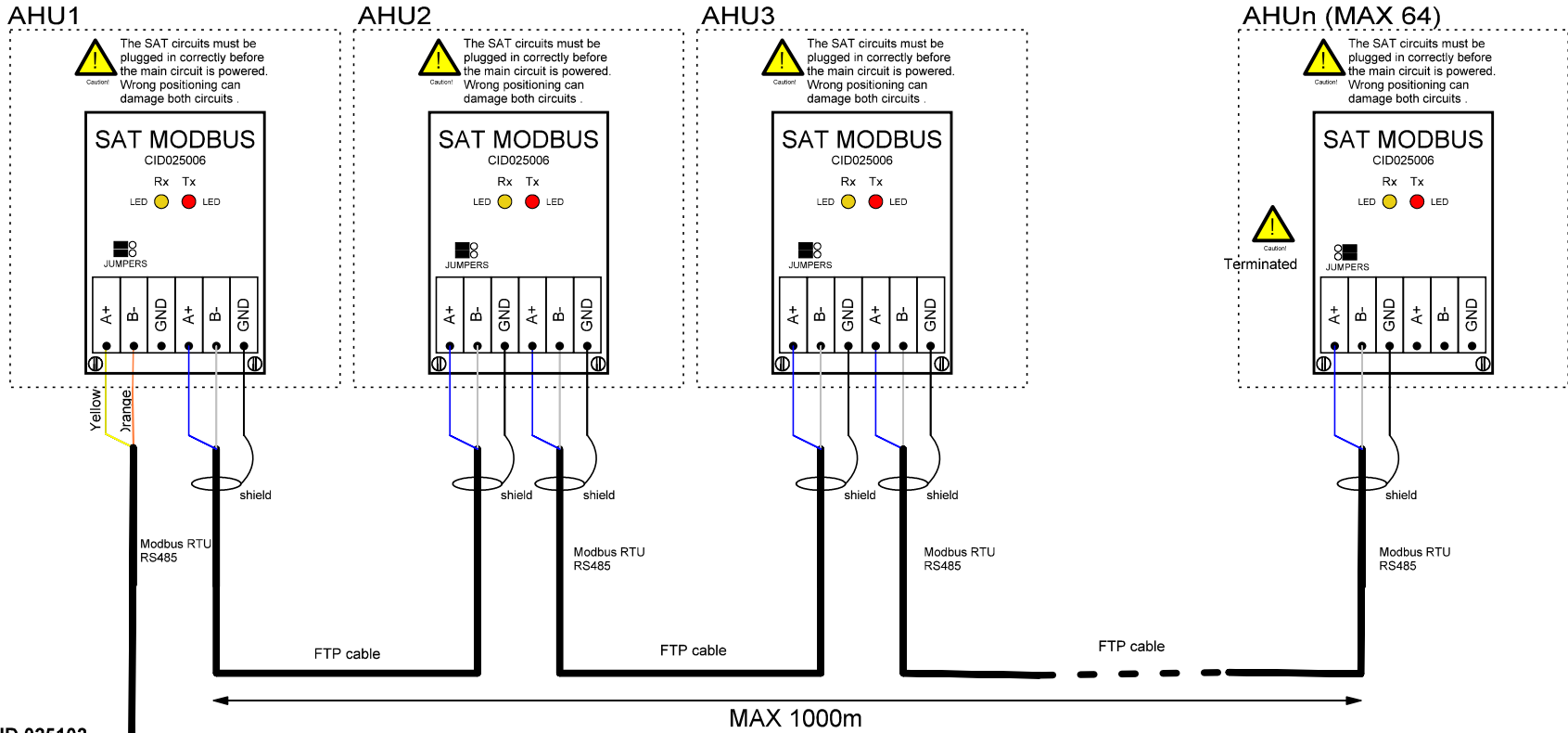
**Caution** Select the COM port to which the USB-RS 485 adapter cable is connected

**Caution** Once setup is changed, Press "RESET COM" at the end of this menu to validate the change



CID 522224

Changes		Name	Date	Application: <b>Software HMI</b>	Page
Name	Date	Draw.: msg	16/03/2021		47
		check.:			
		Norm:			
Subject:	GLOBAL_Wiring TAC6 rev 20230408.spl7			of	53



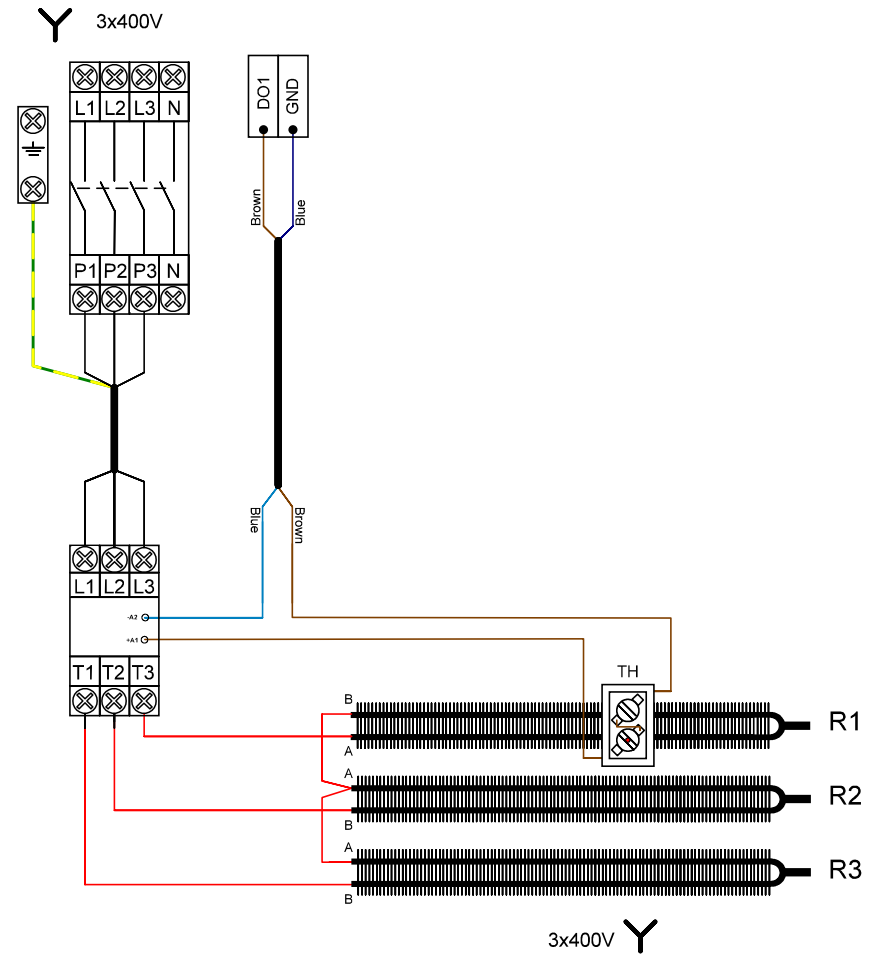
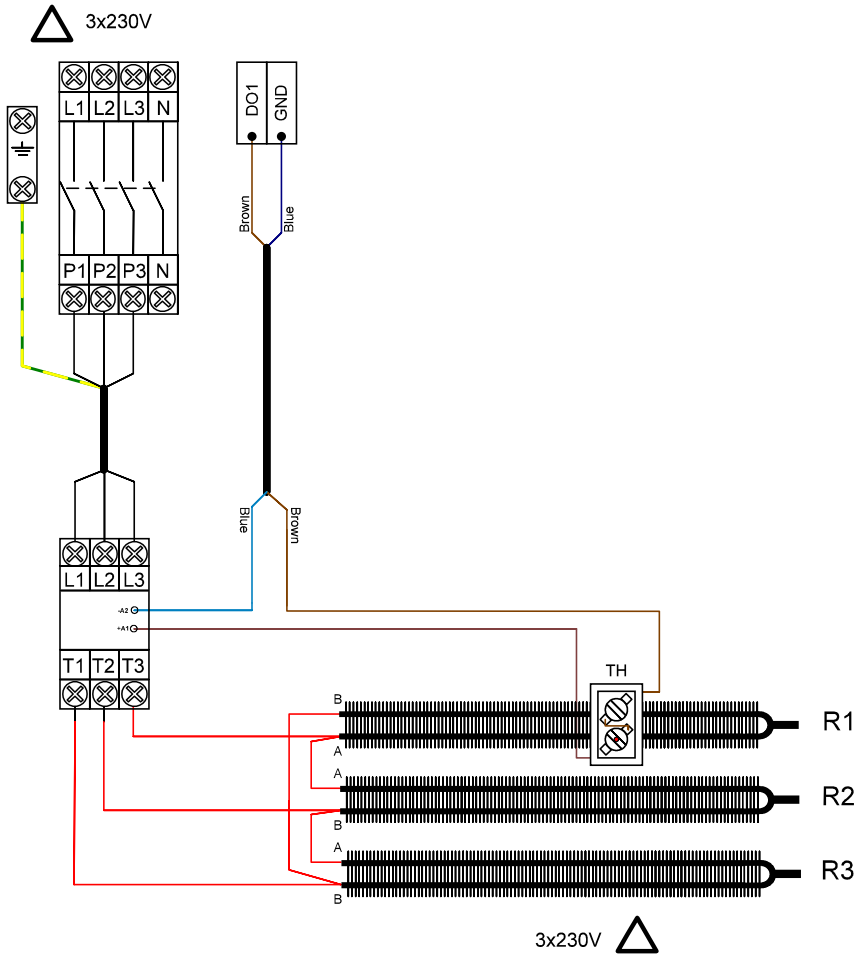
CID 025102

**TACsimulator**

- ⚠ Caution: Select the COM port to which the USB-RS 485 adapter cable is connected
- ⚠ Caution: Select the Modbus address of the desired unit to reach in menu "Settings/Connection Setup"

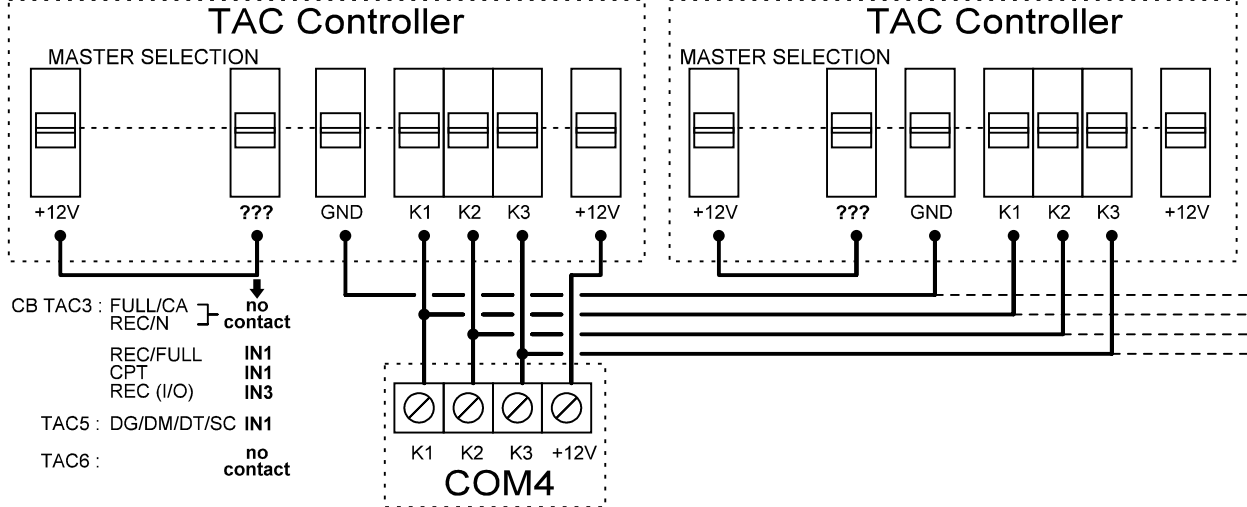
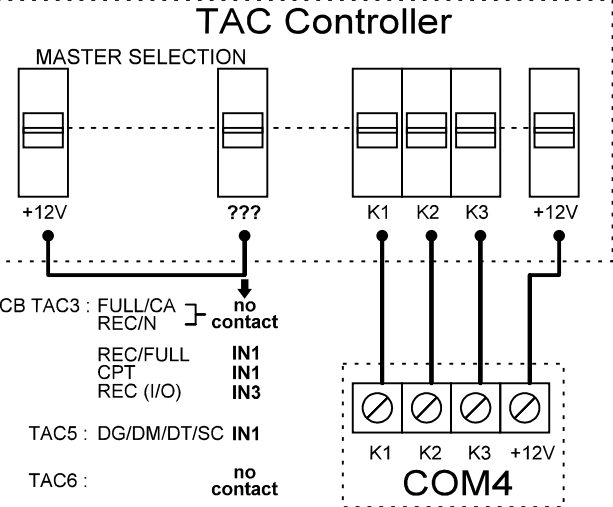
Changes		Name	Date	Configuration of function:	Page
Name	Date	Draw.:	1/06/2021		48
		check.:			
Subject:	GLOBAL_Wiring TAC6 rev 20230408.spl7	Norm:		Application: Soft HMI centralised	of 53

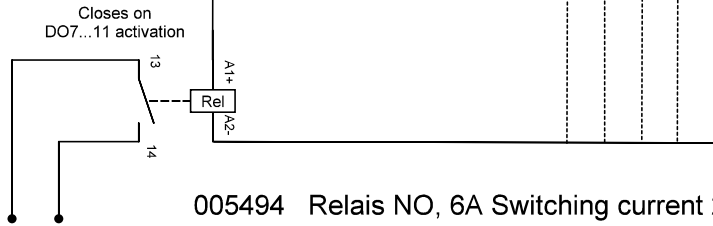
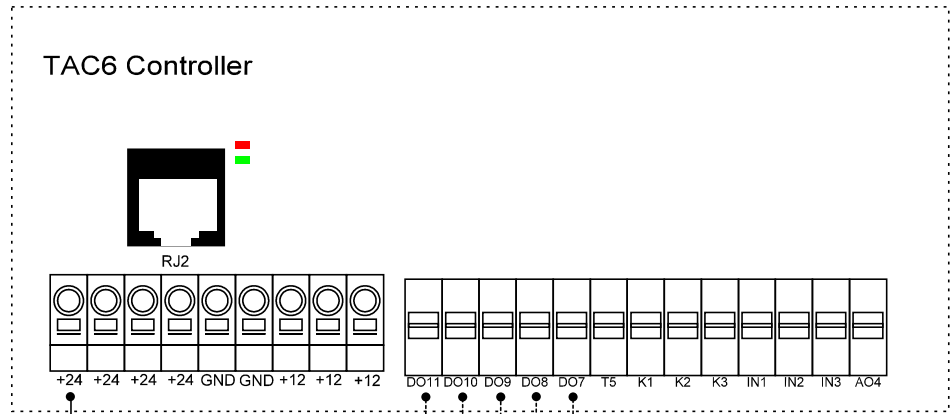




Attention: only possible to change 3x230V into 3x400V. Due to cable sections and selected components, changing from 3x400V to 3x230V is not allowed on site.

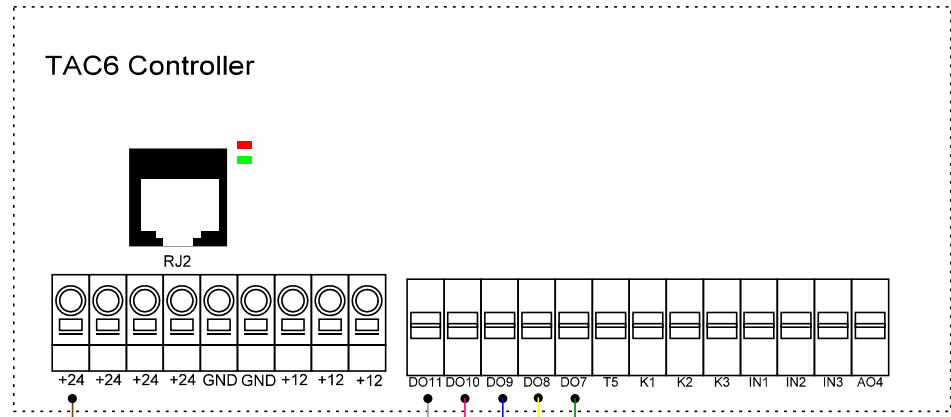
Changes		Name	Date	Configuration of function: N.A.	Page
Name	Date	Draw.: msg	16/03/2021		49
		check.:			
		Norm:		Application: KWout 3x230V - 3x400V	of 53
Subject:	GLOBAL_Wiring TAC6 rev 20230408.spl7				



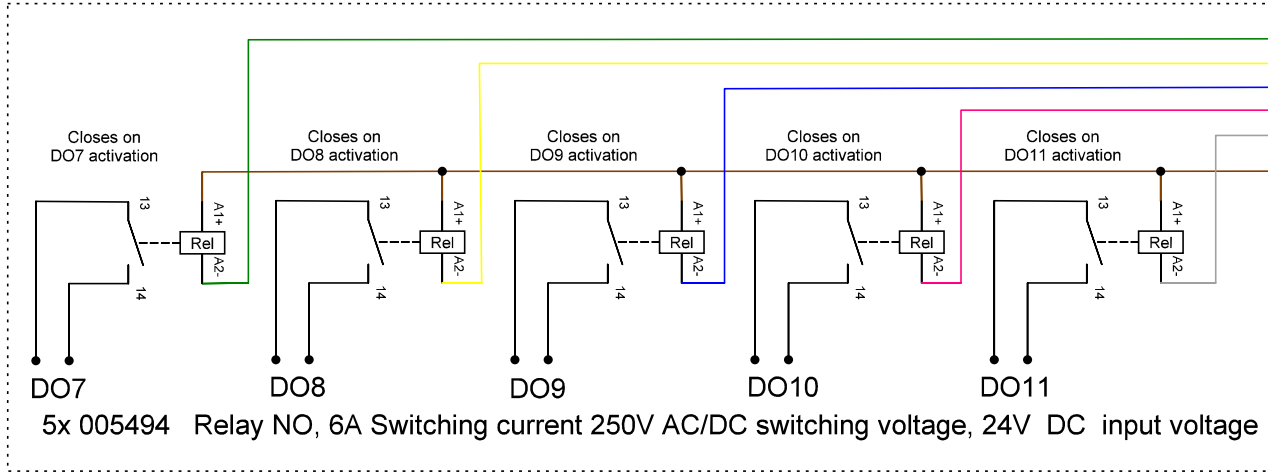


005494 Relais NO, 6A Switching current 250V AC/DC switching voltage, 24V DC input voltage

Changes		Name	Date	Configuration of function:	Page
Name	Date	Draw.: msg	18/10/2021		51
		check.:		Application: Output Relay 1x	of
Subject:	GLOBAL_Wiring TAC6 rev 20230408.spl7				53



EXTERNAL ELECTRICAL BOX

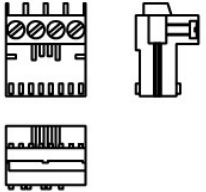
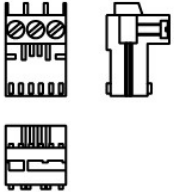
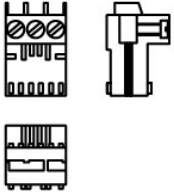
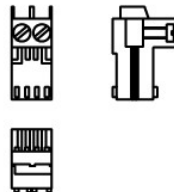


WIRE COLOR	TAC6 CONNECTOR
BROWN	+24
GREEN	DO7
YELLOW	DO8
BLUE	DO9
PINK	DO10
GREY	DO11

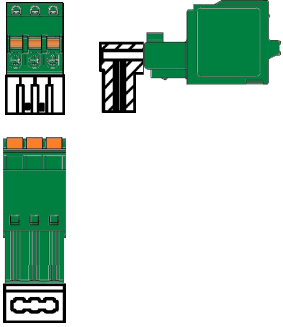
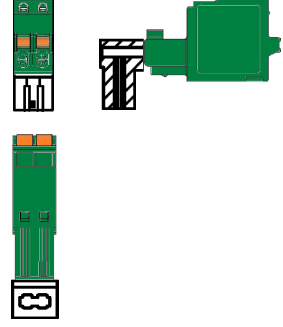
522346 Kit 5 Output relays

Changes		Name	Date	Configuration of function:	Page
Name	Date	Draw.: msg	18/10/2021		52
		check.:			
Subject:	GLOBAL_Wiring TAC6 rev 20230408.spl7	Norm:		Application: Output Relays 5x	of 53

### Screw Connectors

	<div style="border: 1px solid black; padding: 5px; display: inline-block;">X9</div>  005462
	<div style="border: 1px solid black; padding: 5px; display: inline-block;">X1 - X3 - X5 X7 - X8</div>  005461
	<div style="border: 1px solid black; padding: 5px; display: inline-block;">X2 - X4</div>  005460
	<div style="border: 1px solid black; padding: 5px; display: inline-block;">X6 - X10</div>  005459

### Spring Connectors

	<div style="border: 1px solid black; padding: 5px; display: inline-block;">X16 - X17</div>  522348
	<div style="border: 1px solid black; padding: 5px; display: inline-block;">X11 - X12 - X13 - X14 X15 - X18 - X19</div>  522347

Changes		Name	Date	Configuration of function: N.A.	Page
Name	Date	Draw.: msg	16/03/2021		53
		check.:			
		Norm:		Application: Screw & Spring connectors	of 53
Subject:	GLOBAL_Wiring TAC6 rev 20230408.spl7				