| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|

# 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.

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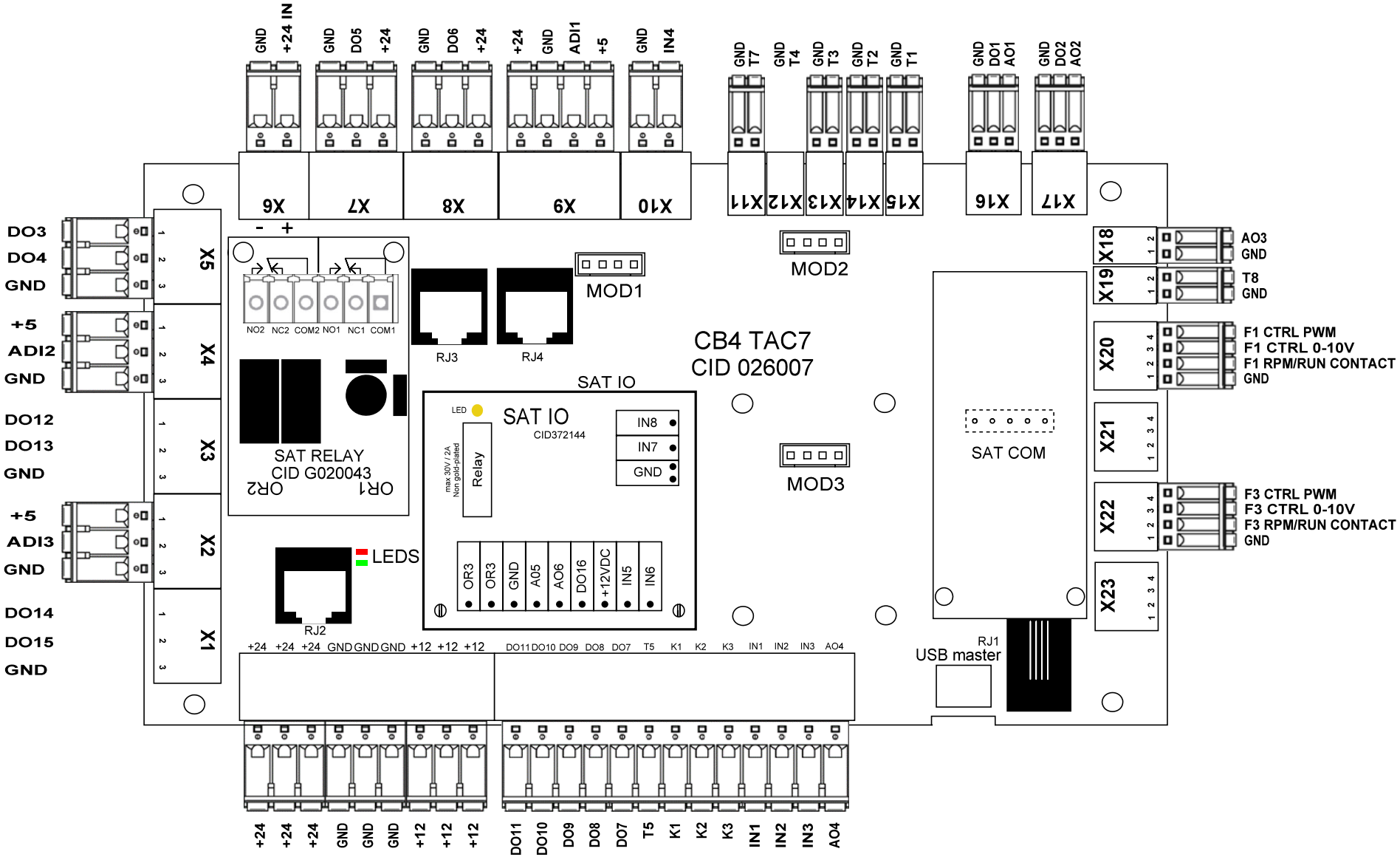
| Name | Date | Draw.: | msg | 17/10/2024 | | 1 |
| | | check.: | | | | |
| | | Norm: | | | Application: General | of 63 |
| Subject: | GLOBAL_ESENSA_Wiring TAC7 (1).spl7 | | | | | |

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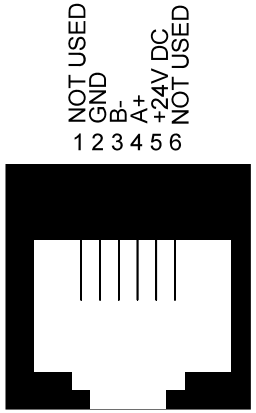
| Name | Date | Draw.: | msg | 17/10/2024 | TAC7 | 2 |
| | | check.: | | | | |
| | | Norm: | | | Application: Controller | of 63 |
| Subject: | GLOBAL_ESENSA_Wiring TAC7 (1).spl7 | | | | | |

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|

AO1 - BA+ = outpout 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 - prewire
| RX SPEED PWM - RX (prewired)
AO2 - RX SPEED 0-10V - RX (option)
AO3 - BA- = outpout 0-10V for external waterborne recooler or reversible Heat/Cool (o
AO4 - NV = outpout 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, Imax = 0,5 A DC) (option - prewired)
DO6 - DAMPER 2 (with or without spring return, Imax = 0,5 A DC) (option - prewired)
DO7 - HEAT CONTACT (open collector; Vmax=24 VDC; Imax=0,1 A)
DO8 - COOL CONTACT (open collector; Vmax=24 VDC; Imax=0,1 A)
DO9 - ALARM CONTACT (open collector; Vmax=24 VDC; Imax=0,1 A)
DO10 - AL dPACONTACT (open collector; Vmax=24 VDC; Imax=0,1 A)
DO11 - FAN ON CONTACT (open collector; Vmax=24 VDC; Imax=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)




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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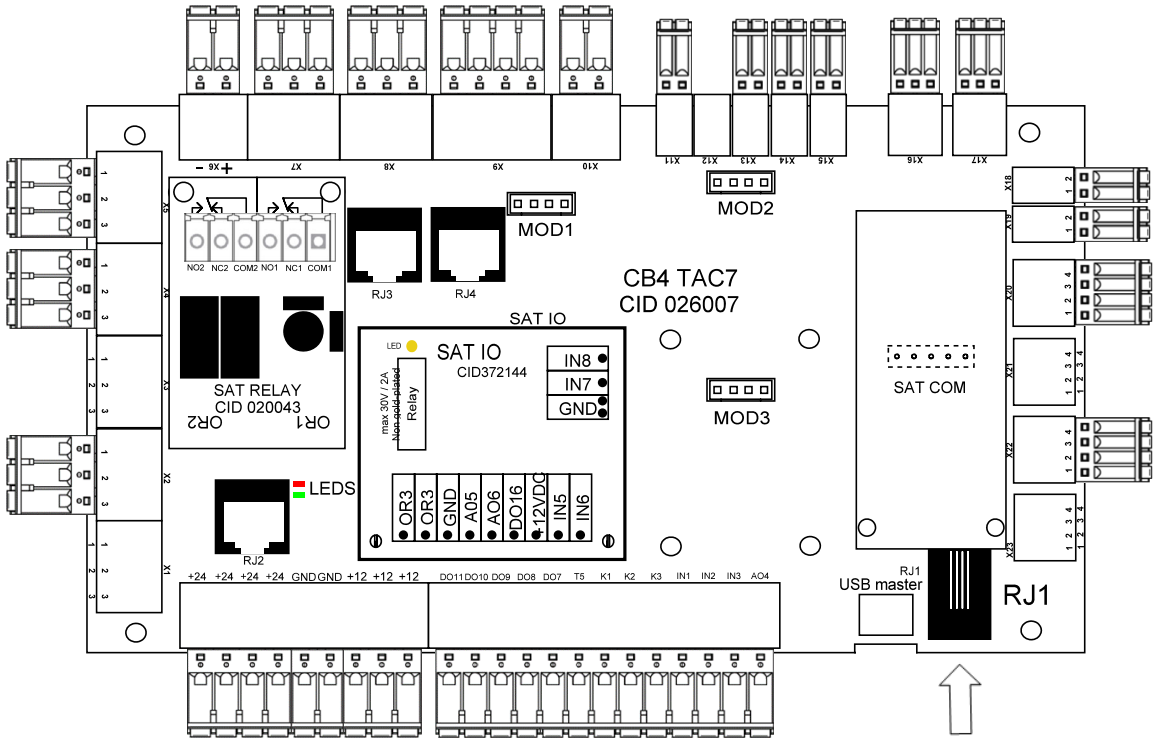
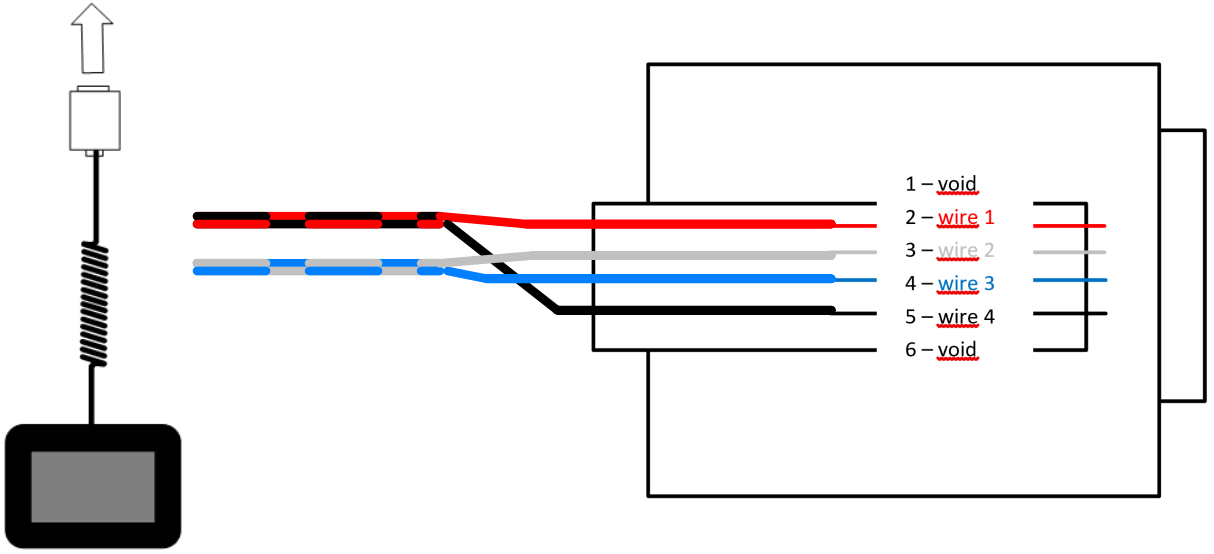
| | | Norm: | | | Application: IO TAC7 | of 63 |
| Subject: | GLOBAL_ESENSA_Wiring TAC7 (1).spl7 | | | | | |




## 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 mm².
The total length must not exceed 100 meters.
Maximum DC resistance on single wire: 8 Ohms
straight wired, 2 pairs connected to RJ12 connectors at cable extremities.
1 pair to the middle pins, the other pair to the extremity pins:

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




**Standard cable**

TACtouch

| Changes | | | Name | Date | | Page |
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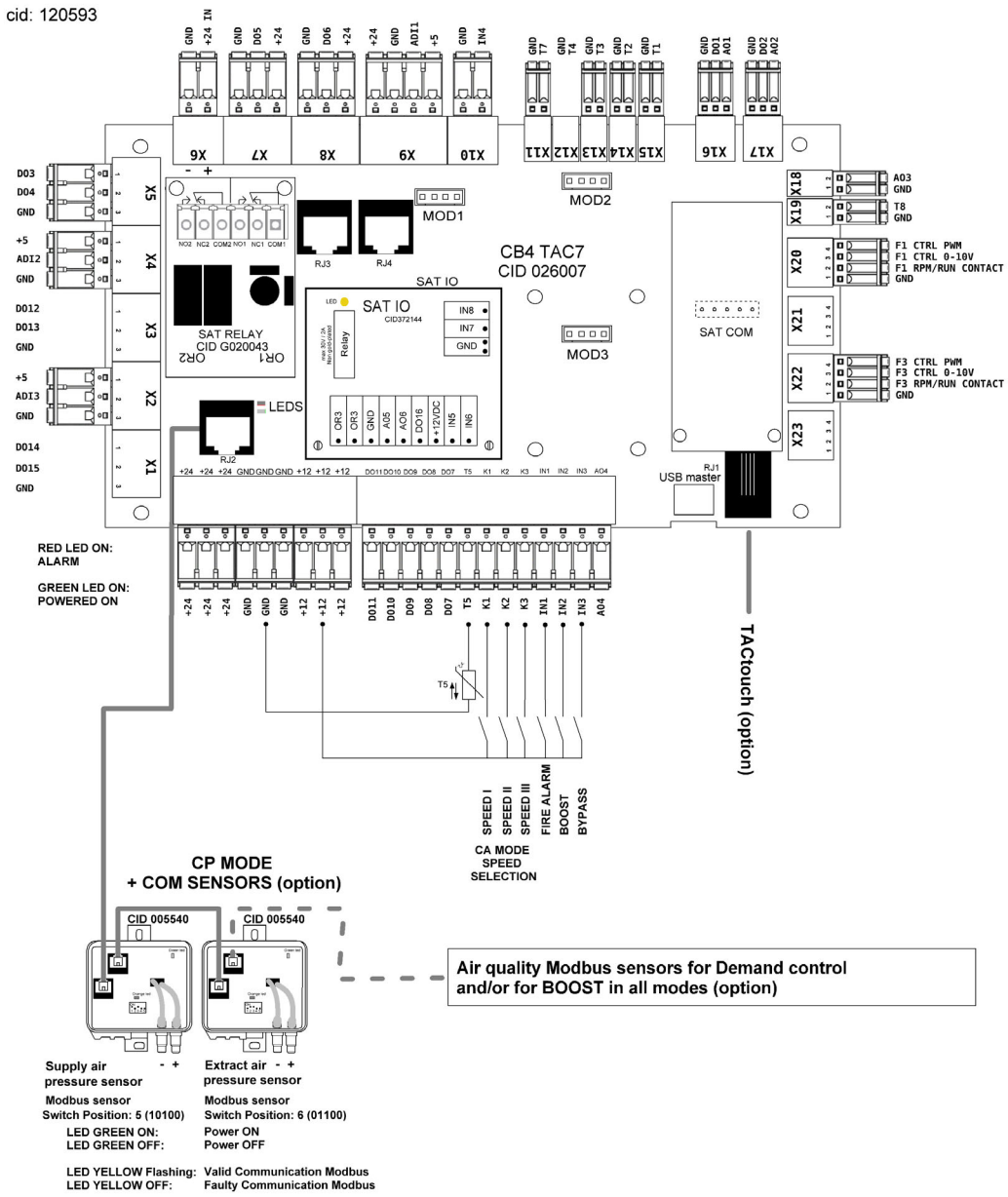
| Name | Date | Draw.: | msg | 17/10/2024 | | 4 |
| | | check.: | | | | |
| | | Norm: | | | Application: TACtouch | of 63 |
| Subject: | GLOBAL_ESENSA_Wiring TAC7 (1).spl7 | | | | | |




**OPERATION CONNECTIONS**

```
IN1  - FIRE ALARM
IN2  - BOOST
IN3  - BYPASS ACTIVATION OVERRIDE

AO4  - IBA= output 0-10V for internal waterborne reheater (option)

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

T5   - supply air T°

DO7  - HEAT OUTPUT    (open collector; Vmax=24 VDC; Imax=0,1 A)
DO8  - COOL OUTPUT    (open collector; Vmax=24 VDC; Imax=0,1 A)
DO9  - ALARM OUTPUT   (open collector; Vmax=24 VDC; Imax=0,1 A)
DO10 - AL dPA OUTPUT  (open collector; Vmax=24 VDC; Imax=0,1 A)
DO11 - FAN ON OUTPUT  (open collector; Vmax=24 VDC; Imax=0,1 A)

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

**OPTIONS CONNECTIONS**

```
X2  | ADI3 - EXTRACT FILTER dPa (option)
X3  | DO12 - Cold Climate Preheater
             = output PWM for external electric preheater power regulation (option)
X4  | ADI2 - SUPPLY  FILTER dPa (option)
X5  | DO3  - BYPASS OPEN- PX  (with rotary actuator - prewired)
    | DO4  - BYPASS CLOSE - PX (with rotary actuator - prewired)
X6  | +24 IN - GND: +24 VDC power supply for the board (prewired)
X7  | DO5  - DAMPER 1 (with or without spring return, Imax = 0,5 A DC) (option)
X8  | DO6  - DAMPER 2 (with or without spring return, Imax = 0,5 A DC) (option)
X9  | ADI1 - BYPASS POS - PX | RX SPEED FEEDBACK - RX (prewired)
X10 | IN4  - Drain pan full contact (for LP)
X11 | T7   - IBA/EBA+ frost protection T° sensor (option)
X13 | T3   - Exhaust T° sensor - PX (prewired)
X14 | T2   - Extract air T° sensor (prewired)
X15 | T1   - Eutdoor air T° sensor (prewired)
X16 | AO1  - EBA+ = output 0-10V for external waterborne reheater (option)
    | DO1  - KWout = output PWM for electric reheater power regulation (option)
X17 | DO2  - PX: KWin = output PWM for electric preheater power regulation (option)
    | DO2  - RX: ROTOR SPEED PWM  (prewired)
X18 | AO3  - EBA-/REVERSIBLE  = output 0-10V for external waterborne recooler
             or reversible battery (option)
X19 | T8   - EBA-/REVERSIBLE frost protection T° sensor (option)
    | T8   - DEFROST CONTACT FOR HEAT PUMP (option)
X20 | F1   - FAN 1 (SUPPLY)
X21 | F2   - FAN 2 (SUPPLY - additional fan)
X22 | F3   - FAN 3 (EXHAUST)
X23 | F4   - FAN 4 (EXHAUST - additional fan)
```

**FIELD BUSES**

```
RJ1: RJ12 connector for TACtouch (option)
RJ2: RJ12 connector for Modbus Pressure sensors for CP mode
                       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
```

**SATELLITES CONNECTIONS**

```
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) (option)
SAT IO IN8:     EXHAUST RUN IN FIRE ALARM (open) - (option)

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

SAT RELAY
  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)
  FOR ALL OTHER MODELS
    SAT RELAY OR1 : Enable Heat Pump - (option)
    SAT RELAY OR2 : Heat/Cool selection for Heat Pump/Chiller - (option)
  relais SPDT (COM + NC/NO) – max 0,5A 30V AC/DC
  In absence of a heat pump, these outputs can be configured as alternative for
  a function assigned by default to DO7...DO11.
```

| Changes | | | Name | Date |
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| Name | Date | Draw.: | msg | 17/10/2024 |
| | | check.: | | |
| | | Norm: | | |
| Subject: | GLOBAL_ESENSA_Wiring TAC7 (1).spl7 | | | |

Application:
Main Controller TAC7

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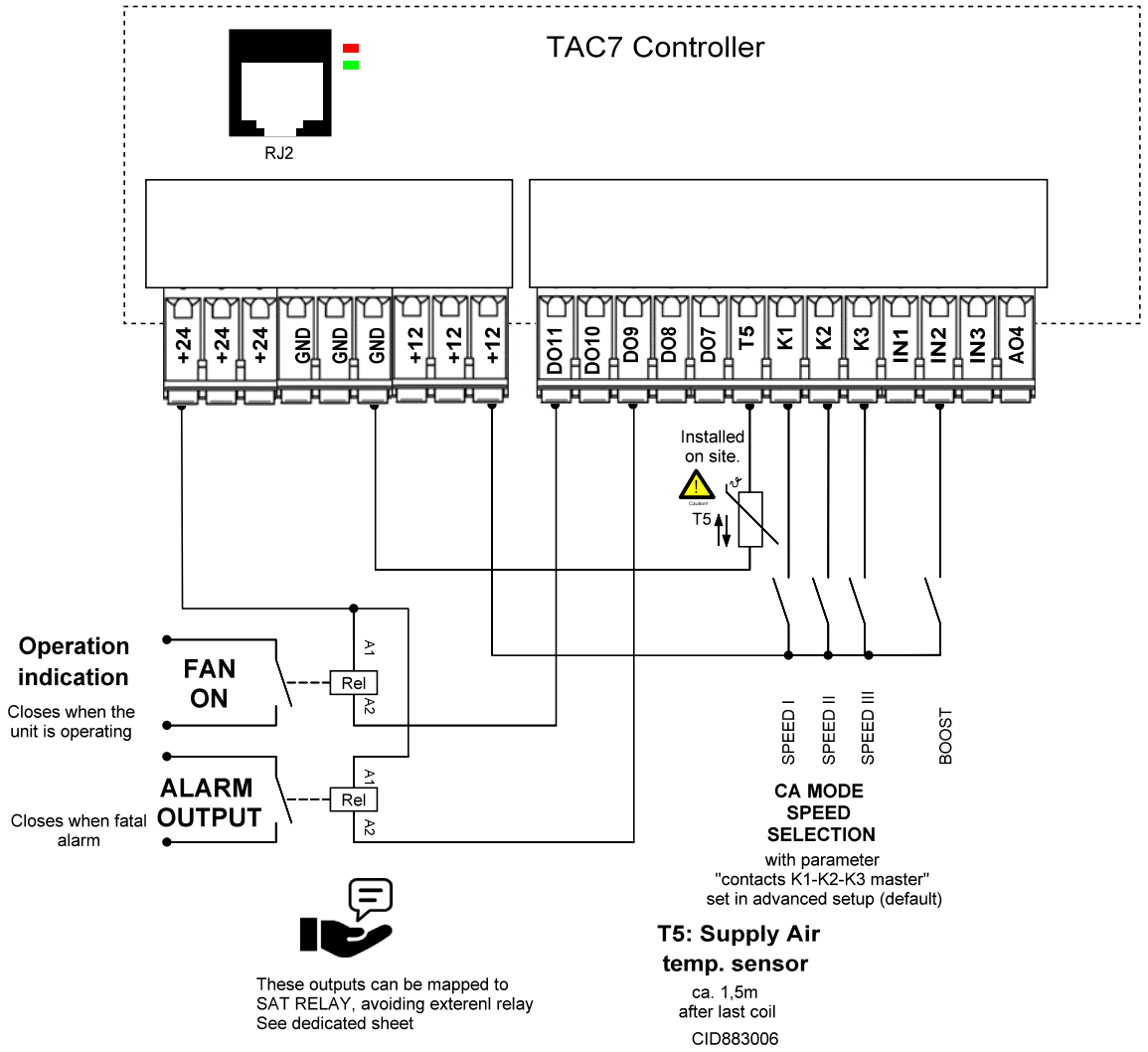
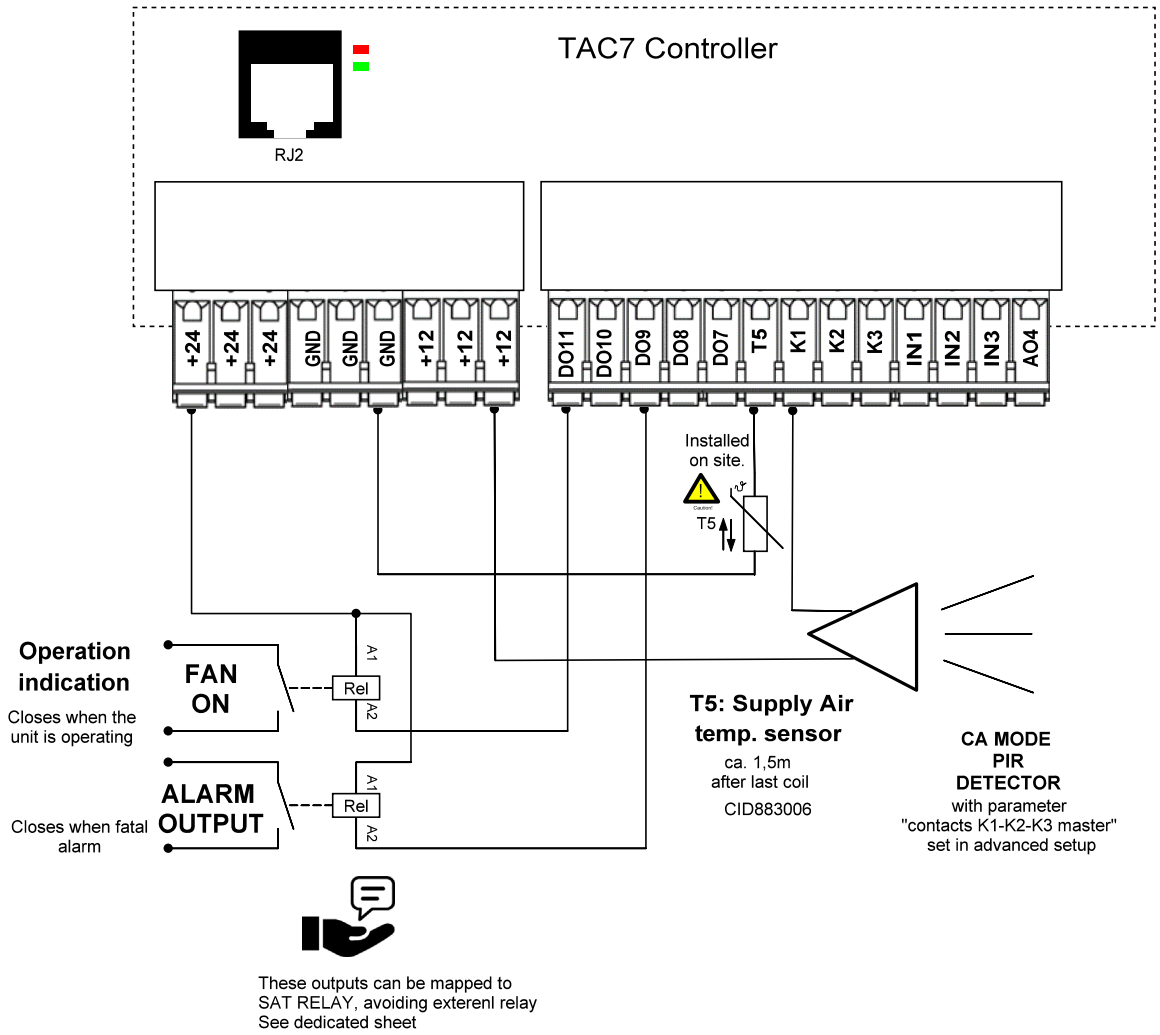



| Changes | | | Name | Date | Configuration of function: | Page |
|---|---|---|---|---|---|---|
| Name | Date | Draw.: | ola | 27/09/2024 | Function Regulation mode/ Constant Airflow | 6 |
| | | check.: | | | | |
| | | Norm: | | | Application: | of |
| Subject: | GLOBAL_ESENSA_Wiring TAC7 (1).spl7 | | | | Constant airflow | 63 |




| Changes | | | Name | Date | Configuration of function: | Page |
|---|---|---|---|---|---|---|
| Name | Date | Draw.: | ola | 27/09/2024 | Function Regulation mode/ Constant Airflow | 7 |
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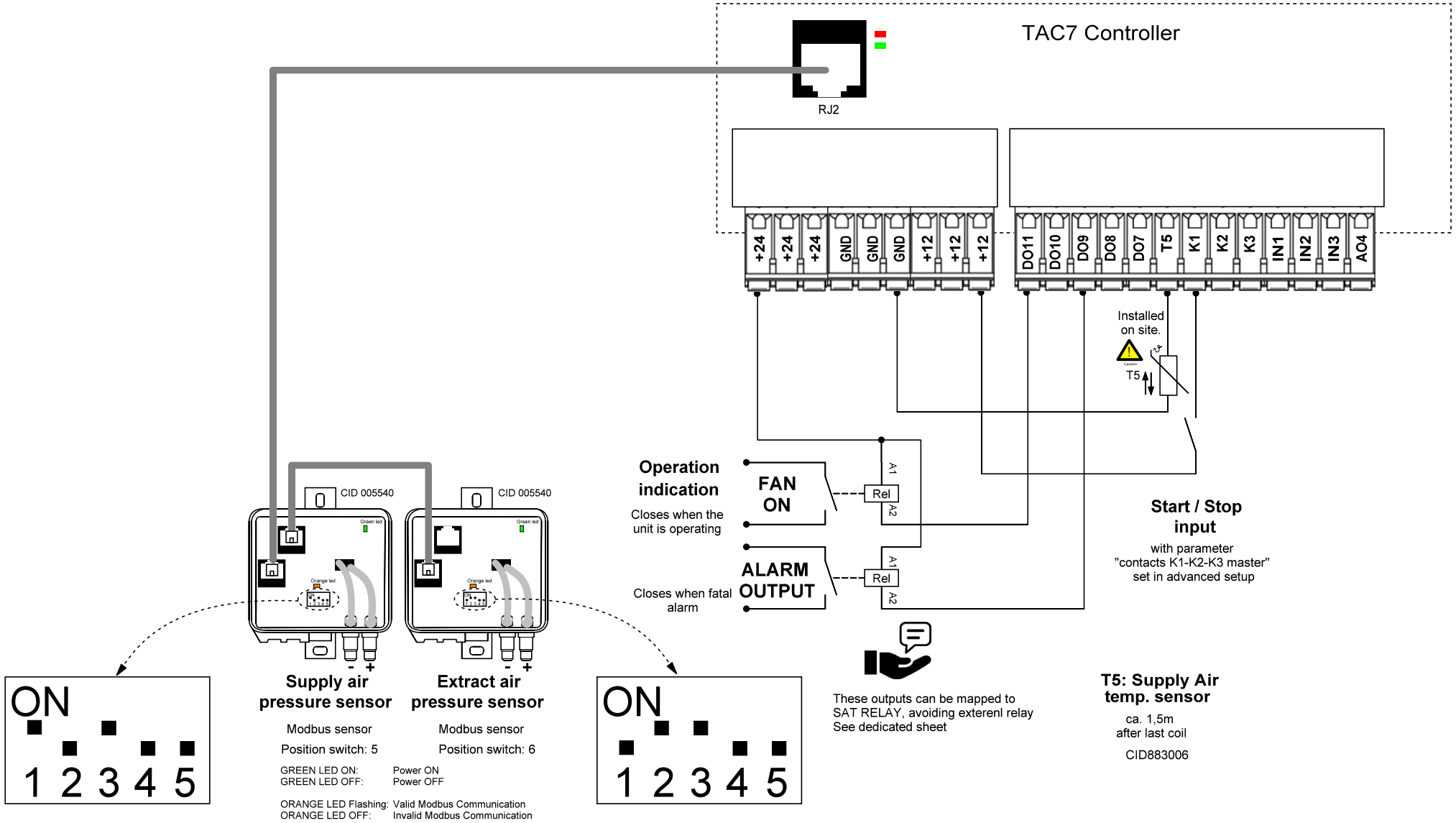
| | | Norm: | | | Application: | of |
| Subject: | GLOBAL_ESENSA_Wiring TAC7 (1).spl7 | | | | Constant airflow - PIR | 63 |




CP MODE + COM SENSORS

| Changes | | | Name | Date |
|---|---|---|---|---|
| Name | Date | Draw.: | ola | 27/09/2024 |
| | | check.: | | |
| | | Norm: | | |
| Subject: | GLOBAL_ESENSA_Wiring TAC7 (1).spl7 | | | |

Configuration of function:
Function Regulation mode/ Constant Pressure

Application:
Constant pressure Modbus

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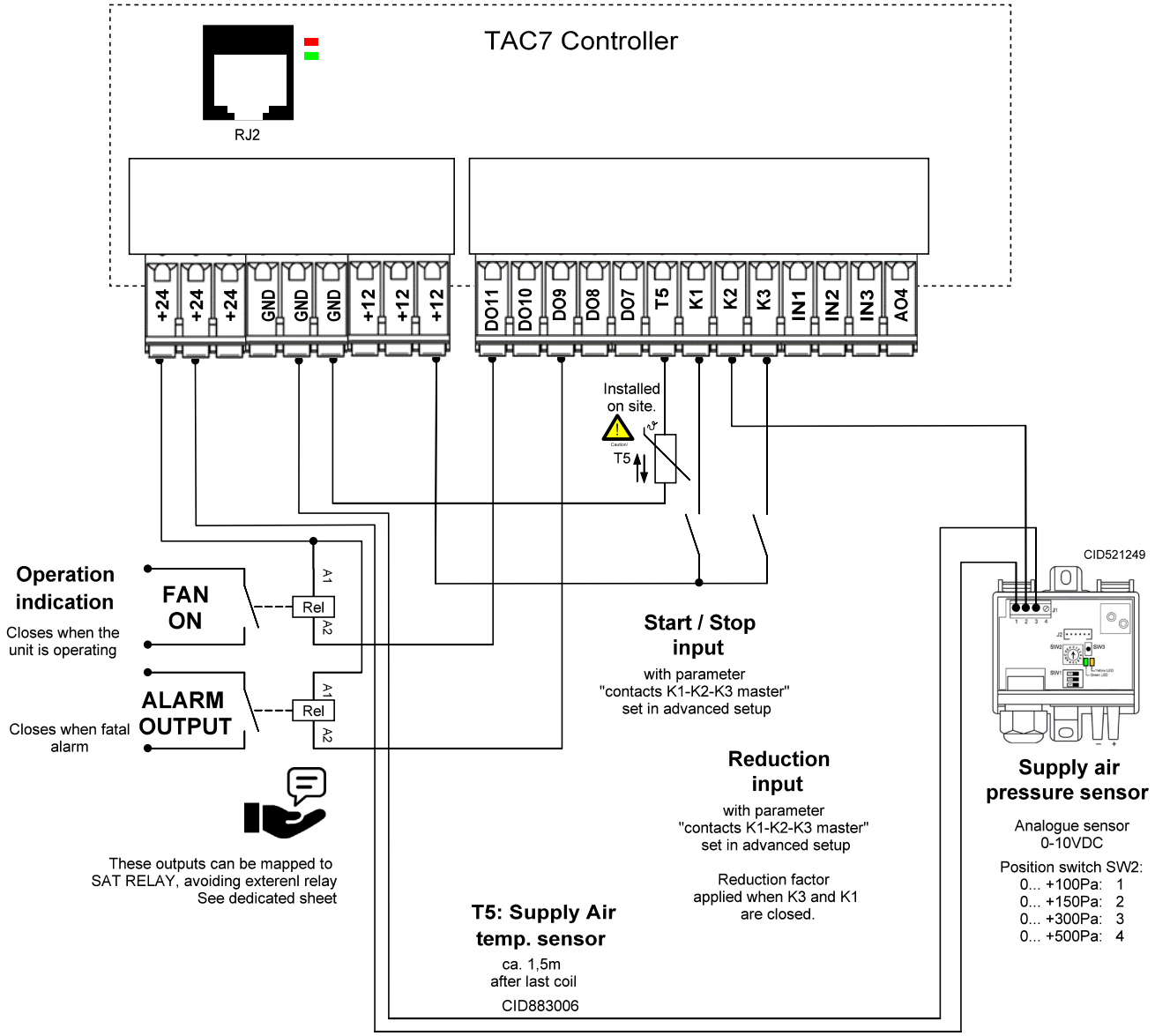


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|---|---|---|---|---|---|---|
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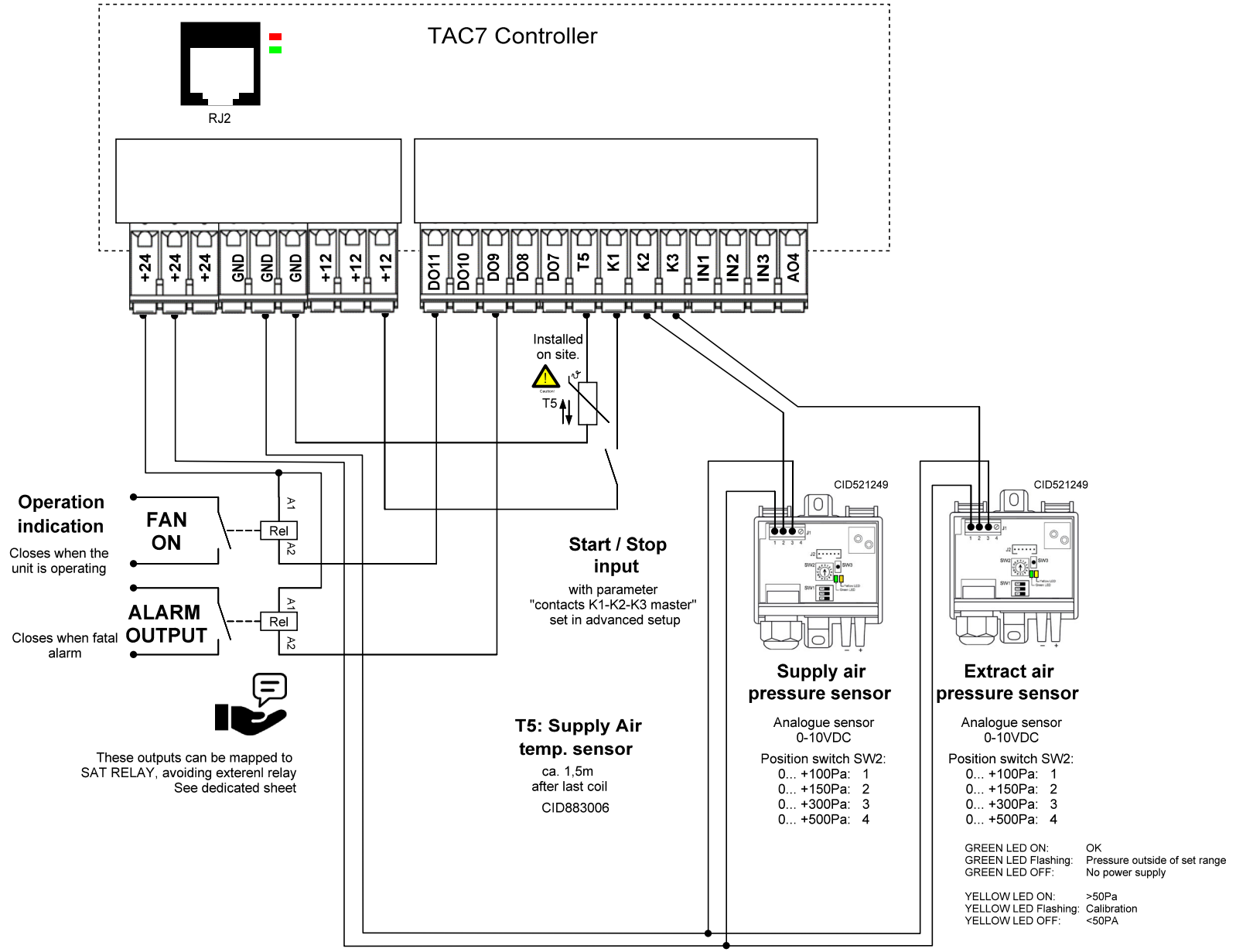
| | | check.: | | | | |
| | | Norm: | | | Application: | of |
| Subject: | GLOBAL_ESENSA_Wiring TAC7 (1).spl7 | | | | Constant pressure 1x 0-10V | 63 |




| Changes | | | Name | Date | Configuration of function: | Page |
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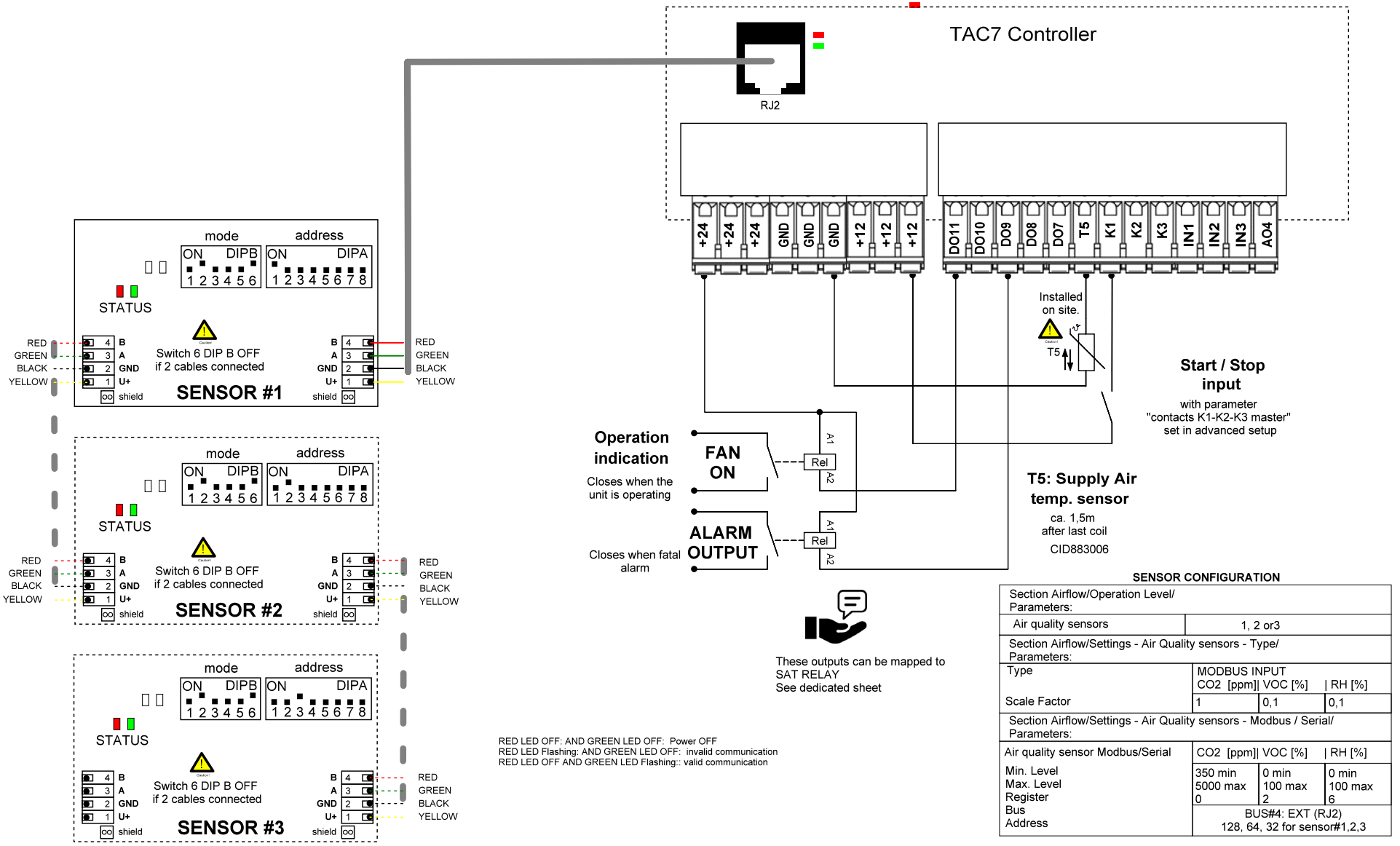
| | | check.: | | | | |
| | | Norm: | | | Application: | of |
| Subject: | GLOBAL_ESENSA_Wiring TAC7 (1).spl7 | | | | Constant pressure 2x 0-10V | 63 |




**SENSOR CONFIGURATION**

| | | | |
|---|---|---|---|
| Section Airflow/Operation Level/ Parameters: | | | |
| Air quality sensors | 1, 2 or3 | | |
| Section Airflow/Settings - Air Quality sensors - Type/ Parameters: | | | |
| Type | MODBUS INPUT CO2 [ppm] | VOC [%] | RH [%] |
| Scale Factor | 1 | 0,1 | 0,1 |
| Section Airflow/Settings - Air Quality sensors - Modbus / Serial/ Parameters: | | | |
| Air quality sensor Modbus/Serial | CO2 [ppm] | VOC [%] | RH [%] |
| Min. Level | 350 min | 0 min | 0 min |
| Max. Level | 5000 max | 100 max | 100 max |
| Register | 0 | 2 | 6 |
| Bus Address | BUS#4: EXT (RJ2) 128, 64, 32 for sensor#1,2,3 | | |

| Changes | | | Name | Date |
|---|---|---|---|---|
| Name | Date | Draw.: | ola | 27/09/2024 |
| | | check.: | | |
| | | Norm: | | |
| Subject: | GLOBAL_ESENSA_Wiring TAC7 (1).spl7 | | | |

Configuration of function:
Function Regulation mode/ Demand control

Application:
Demand control IAQ Modbus (Indoor Air Quality)

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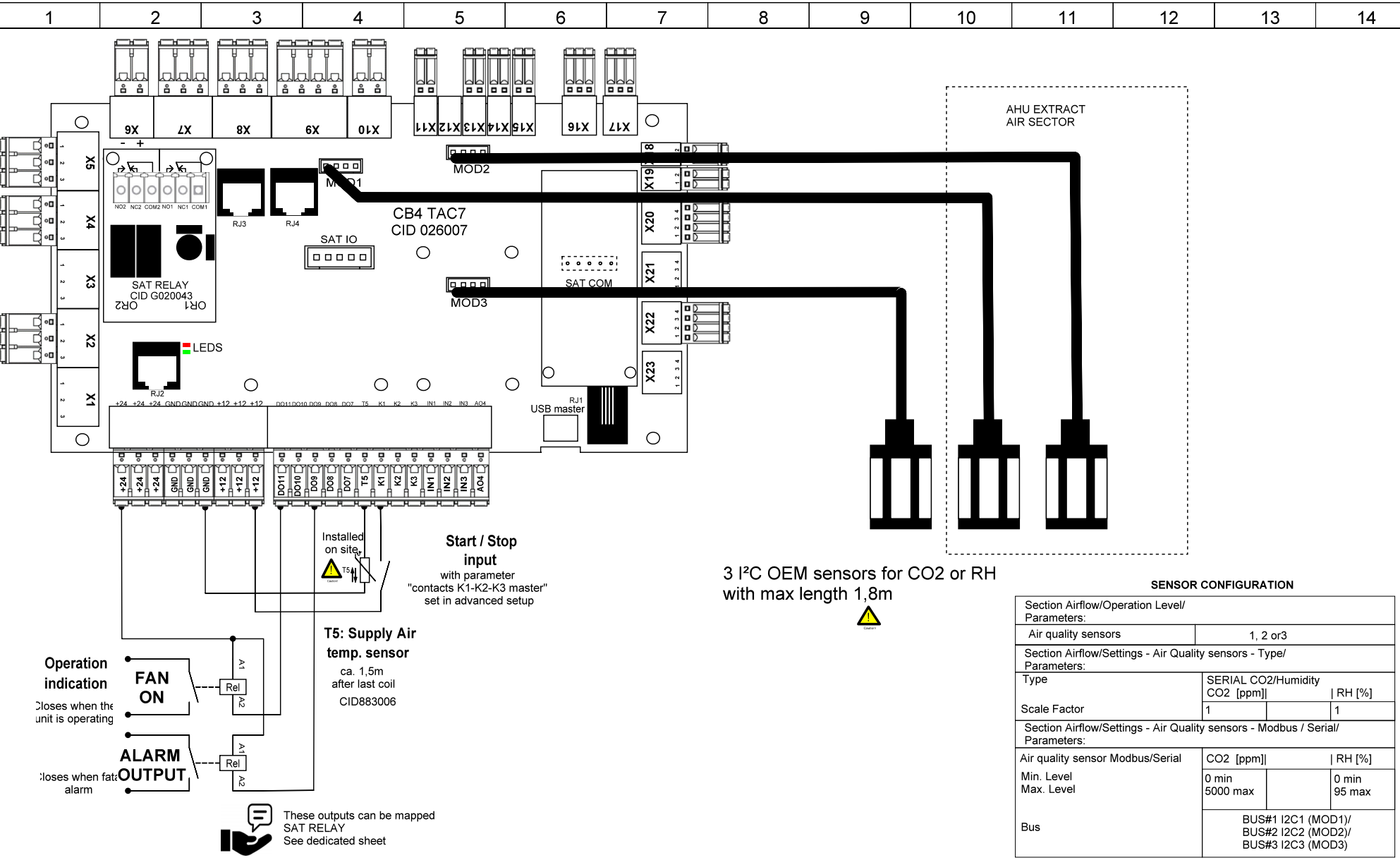


**SENSOR CONFIGURATION**

| | | | |
|---|---|---|---|
| Section Airflow/Operation Level/ Parameters: | | | |
| Air quality sensors | 1, 2 or3 | | |
| Section Airflow/Settings - Air Quality sensors - Type/ Parameters: | | | |
| Type | SERIAL CO2/Humidity CO2 [ppm] | | RH [%] |
| Scale Factor | 1 | | 1 |
| Section Airflow/Settings - Air Quality sensors - Modbus / Serial/ Parameters: | | | |
| Air quality sensor Modbus/Serial | CO2 [ppm] | | RH [%] |
| Min. Level<br>Max. Level | 0 min<br>5000 max | | 0 min<br>95 max |
| Bus | BUS#1 I2C1 (MOD1)/<br>BUS#2 I2C2 (MOD2)/<br>BUS#3 I2C3 (MOD3) | | |

| Changes | | | Name | Date |
|---|---|---|---|---|
| Name | Date | Draw.: | ola | 27/09/2024 |
| | | check.: | | |
| | | Norm: | | |
| Subject: | GLOBAL_ESENSA_Wiring TAC7 (1).spl7 | | | |

Configuration of function:
Function Regulation mode/ Demand control

Application:
Demand control Serial COM (Indoor Air Quality)

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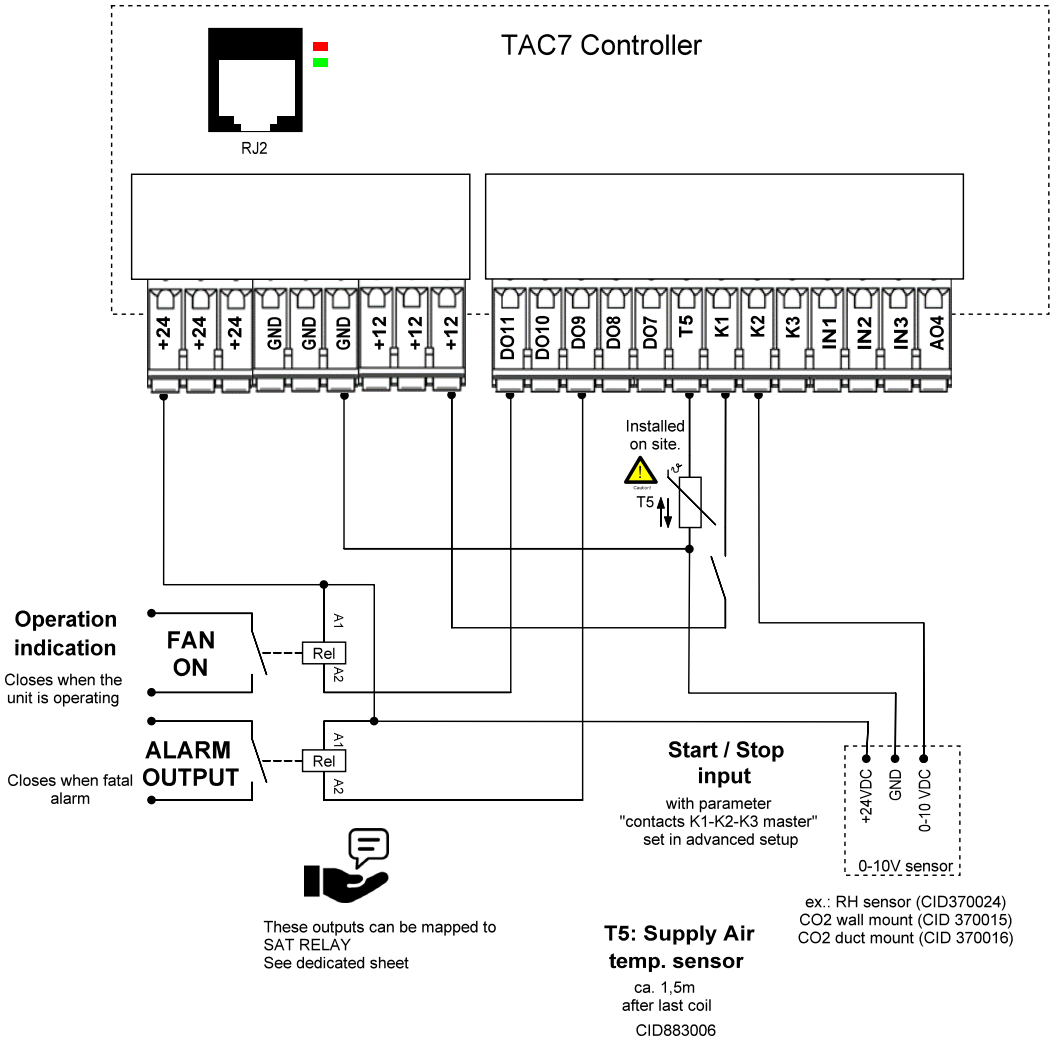
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|

**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<br>CO2 [ppm] | | RH [%] |
| Scale Factor | 20 | | 1 |
| Section Airflow/Settings - Air Quality sensors -Analogue/ Parameters: | | | |
| I/O<br>Vmin<br>Vmax | K2 or K3 if K2 not free and K3 well<br>0 V<br>10 V | | |
| Mininum level<br>Maximum level | 0<br>2000 | | 0<br>100 |




| Changes | | | Name | Date |
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| Name | Date | Draw.: | ola | 27/09/2024 |
| | | check.: | | |
| | | Norm: | | |
| Subject: | GLOBAL_ESENSA_Wiring TAC7 (1).spl7 | | | |

Configuration of function:
Function Regulation mode/ Demand control

Application:
Demand control IAQ Analogue (Indoor Air Quality)

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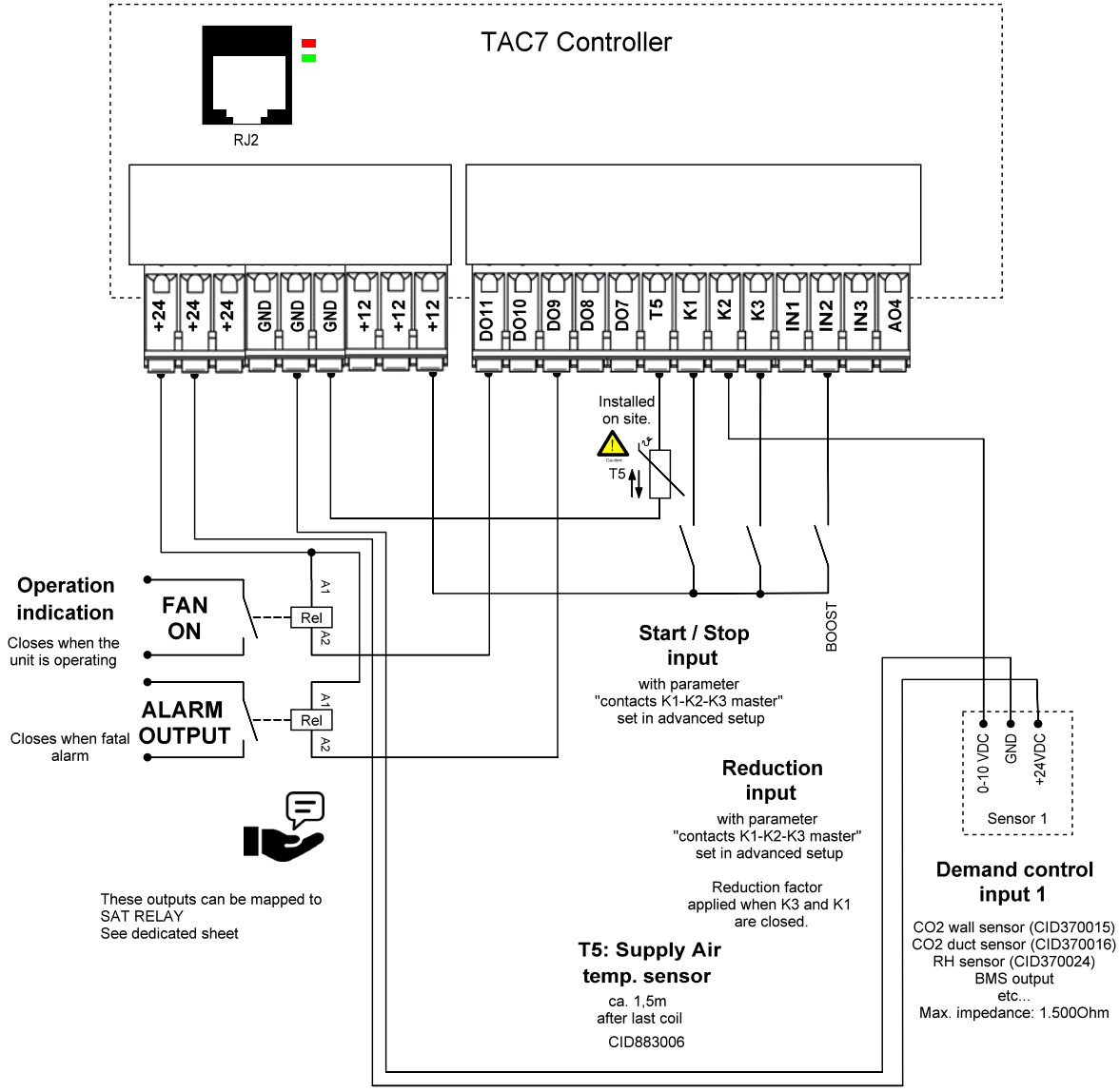


| Changes | | | Name | Date |
|---|---|---|---|---|
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| | | check.: | | |
| | | Norm: | | |
| Subject: | GLOBAL_ESENSA_Wiring TAC7 (1).spl7 | | | |

Configuration of function:
Function Regulation mode/ Demand control

Application:
Demand control 1x 0-10V

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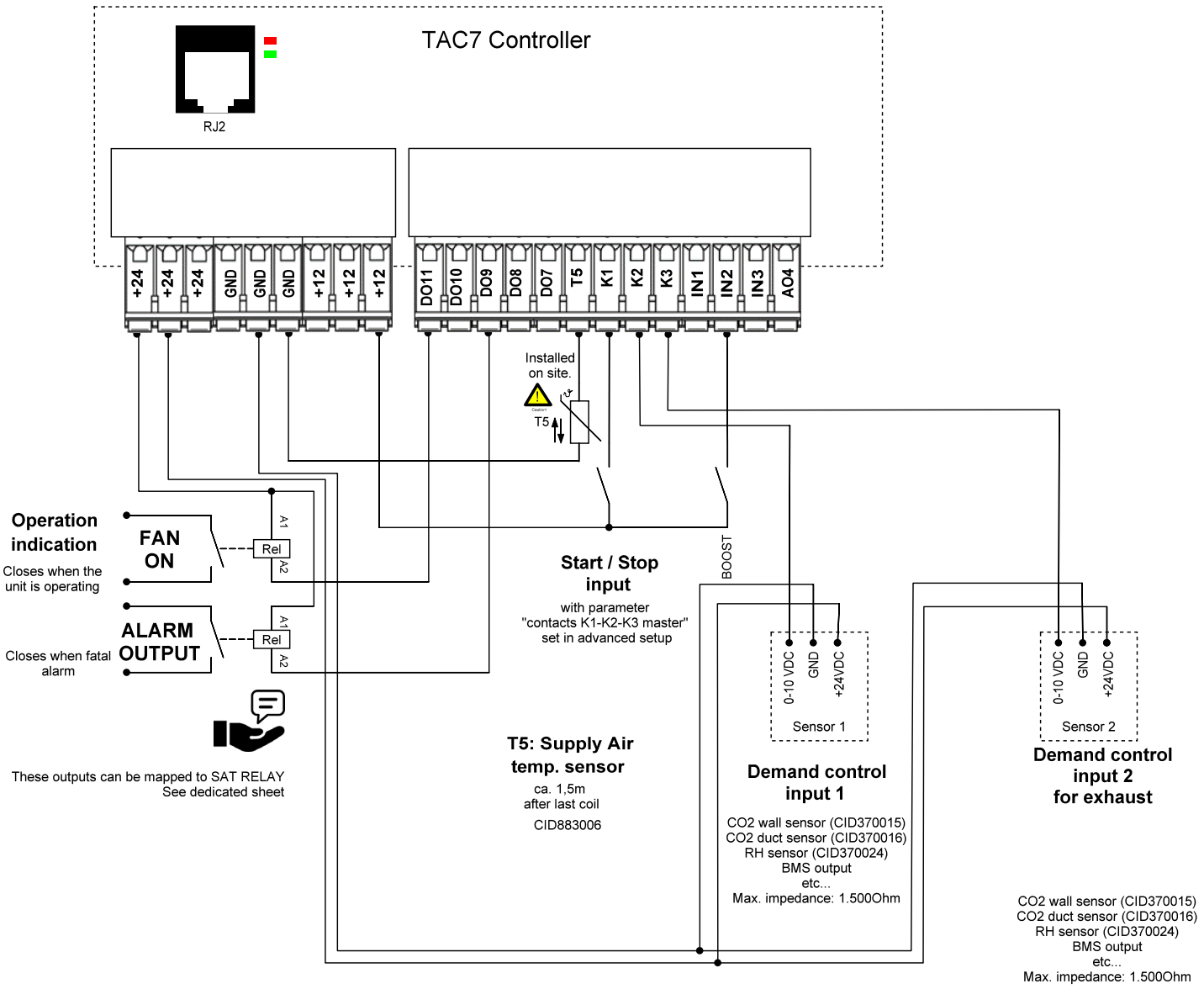


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|---|---|---|---|---|
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| | | check.: | | |
| | | Norm: | | |
| Subject: | GLOBAL_ESENSA_Wiring TAC7 (1).spl7 | | | |

Configuration of function:
**Function Regulation mode/ Demand control**

Application:
**Demand control 2x 0-10V**

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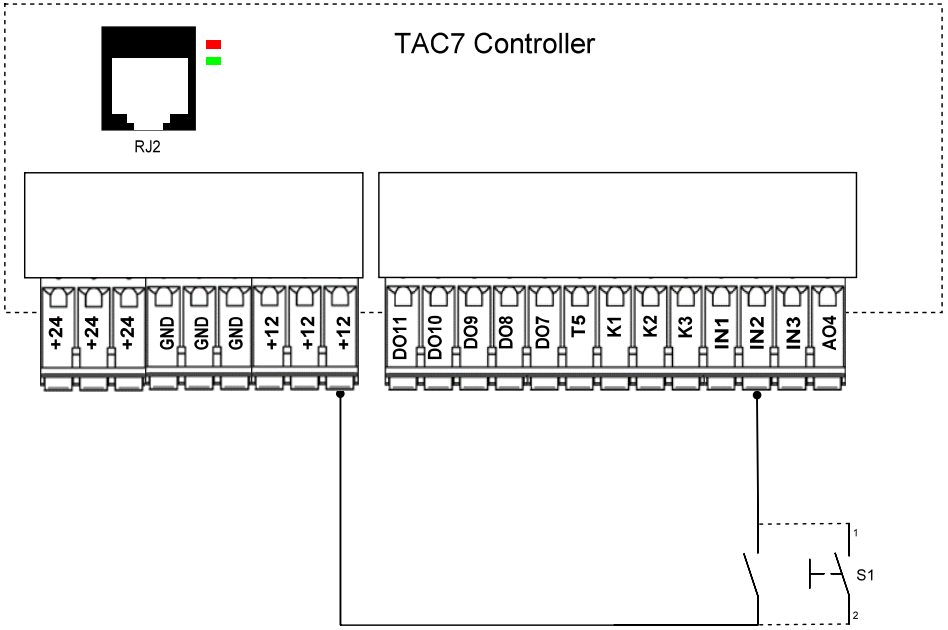


In case a push button is used instead of a switch,
then configure parameter "BOOST duration"
in Function Air flow/BOOST with a delay in minutes.

| Changes | | | Name | Date |
|---|---|---|---|---|
| Name | Date | Draw.: | ola | 27/09/2024 |
| | | check.: | | |
| | | Norm: | | |
| Subject: | GLOBAL_ESENSA_Wiring TAC7 (1).spl7 | | | |

Configuration of function:
Function Air flow/BOOST

Application:
BOOST with contact

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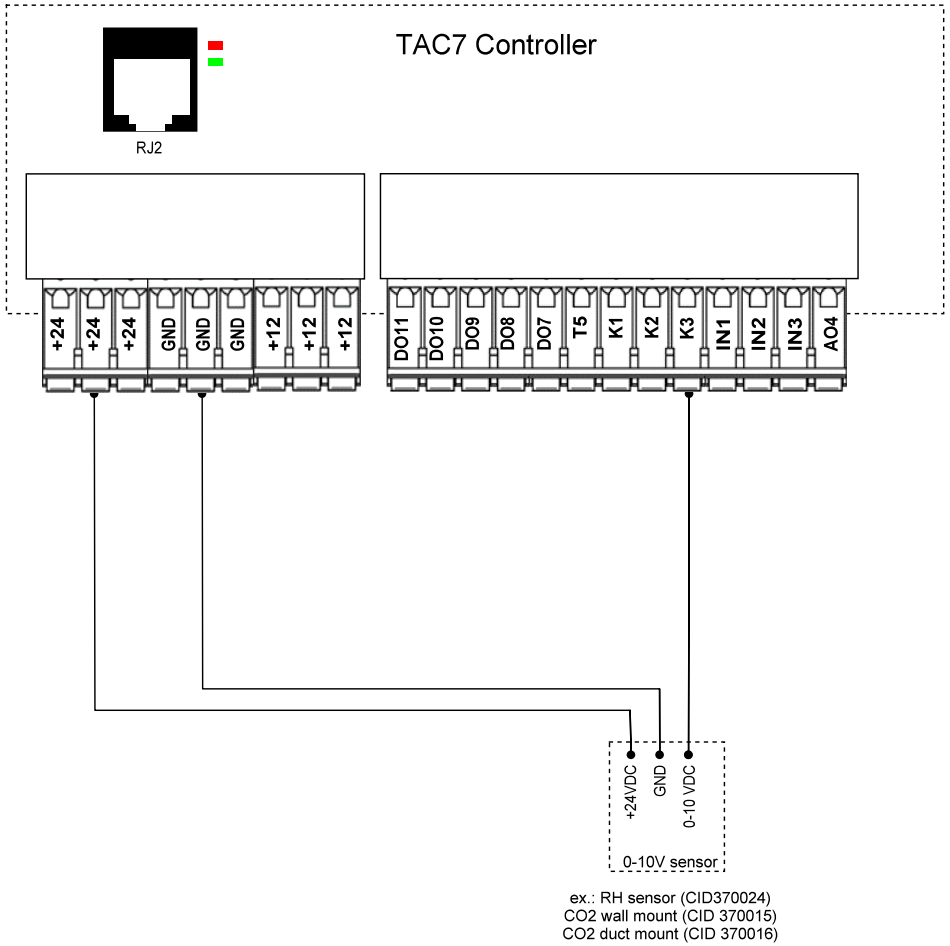
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|

**SENSOR CONFIGURATION**

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



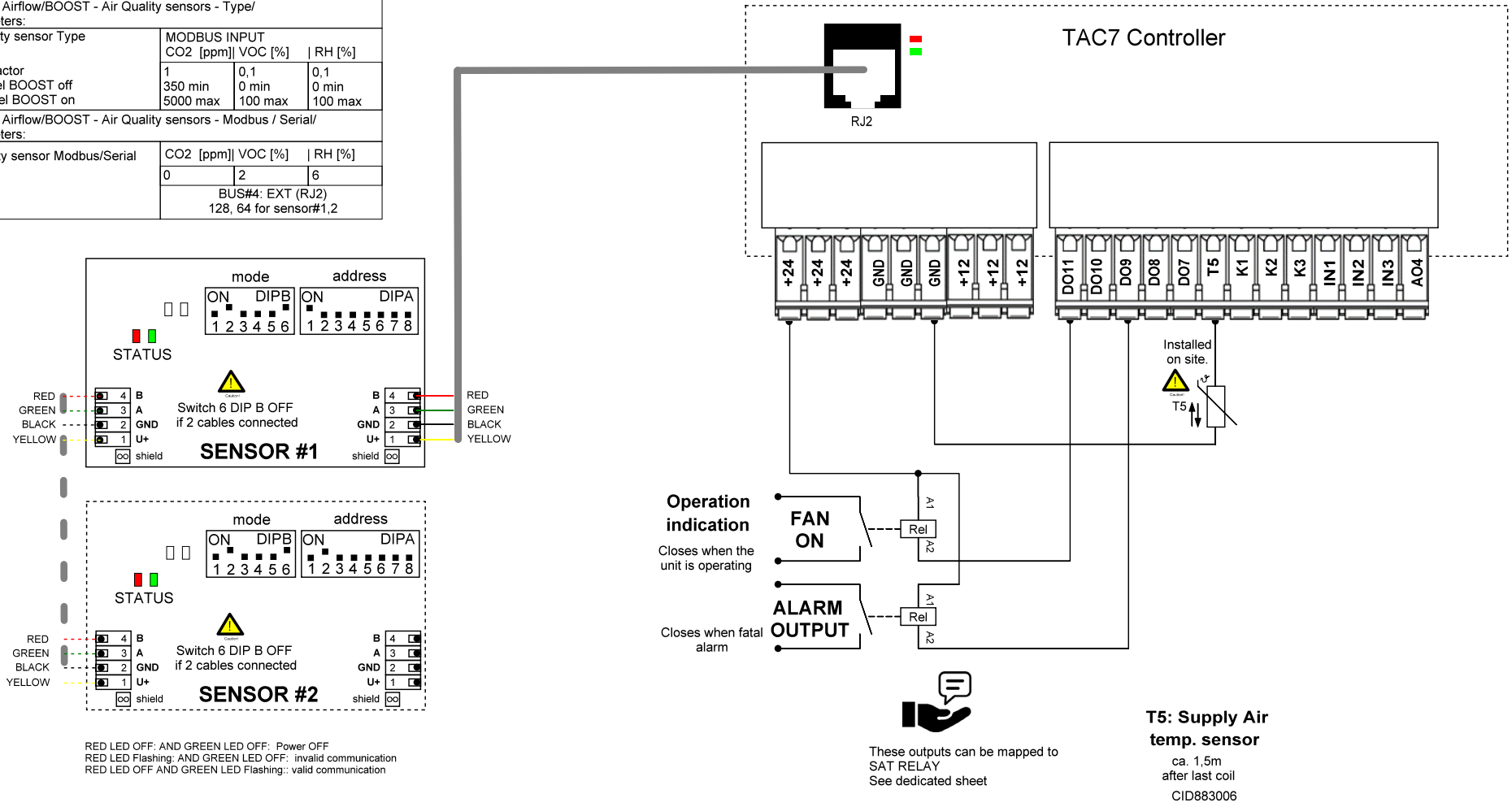

ex.: RH sensor (CID370024)
CO2 wall mount (CID 370015)
CO2 duct mount (CID 370016)

| Changes | | | Name | Date | Configuration of function: | Page |
|---|---|---|---|---|---|---|
| Name | Date | Draw.: | ola | 27/09/2024 | Function Air flow/BOOST | 17 |
| | | check.: | | | | |
| | | Norm: | | | Application: | of |
| Subject: | GLOBAL_ESENSA_Wiring TAC7 (1).spl7 | | | | BOOST with 0-10V sensor | 63 |

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|

**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<br>Low level BOOST off<br>High level BOOST on | 1<br>350 min<br>5000 max | 0,1<br>0 min<br>100 max | 0,1<br>0 min<br>100 max |
| Section Airflow/BOOST - Air Quality sensors - Modbus / Serial/ Parameters: | | | |
| Air quality sensor Modbus/Serial | CO2 [ppm]\| VOC [%] | | \| RH [%] |
| Register | 0 | 2 | 6 |
| Bus<br>Address | BUS#4: EXT (RJ2)<br>128, 64 for sensor#1,2 | | |




RED LED OFF: AND GREEN LED OFF: Power OFF
RED LED Flashing: AND GREEN LED OFF: invalid communication
RED LED OFF AND GREEN LED Flashing:: valid communication

| Changes | | | Name | Date |
|---|---|---|---|---|
| Name | Date | Draw.: | ola | 27/09/2024 |
| | | check.: | | |
| | | Norm: | | |
| Subject: | GLOBAL_ESENSA_Wiring TAC7 (1).spl7 | | | |

Configuration of function:
Function Air flow/BOOST

Application:
BOOST with IAQ sensors (Indoor Air Quality)

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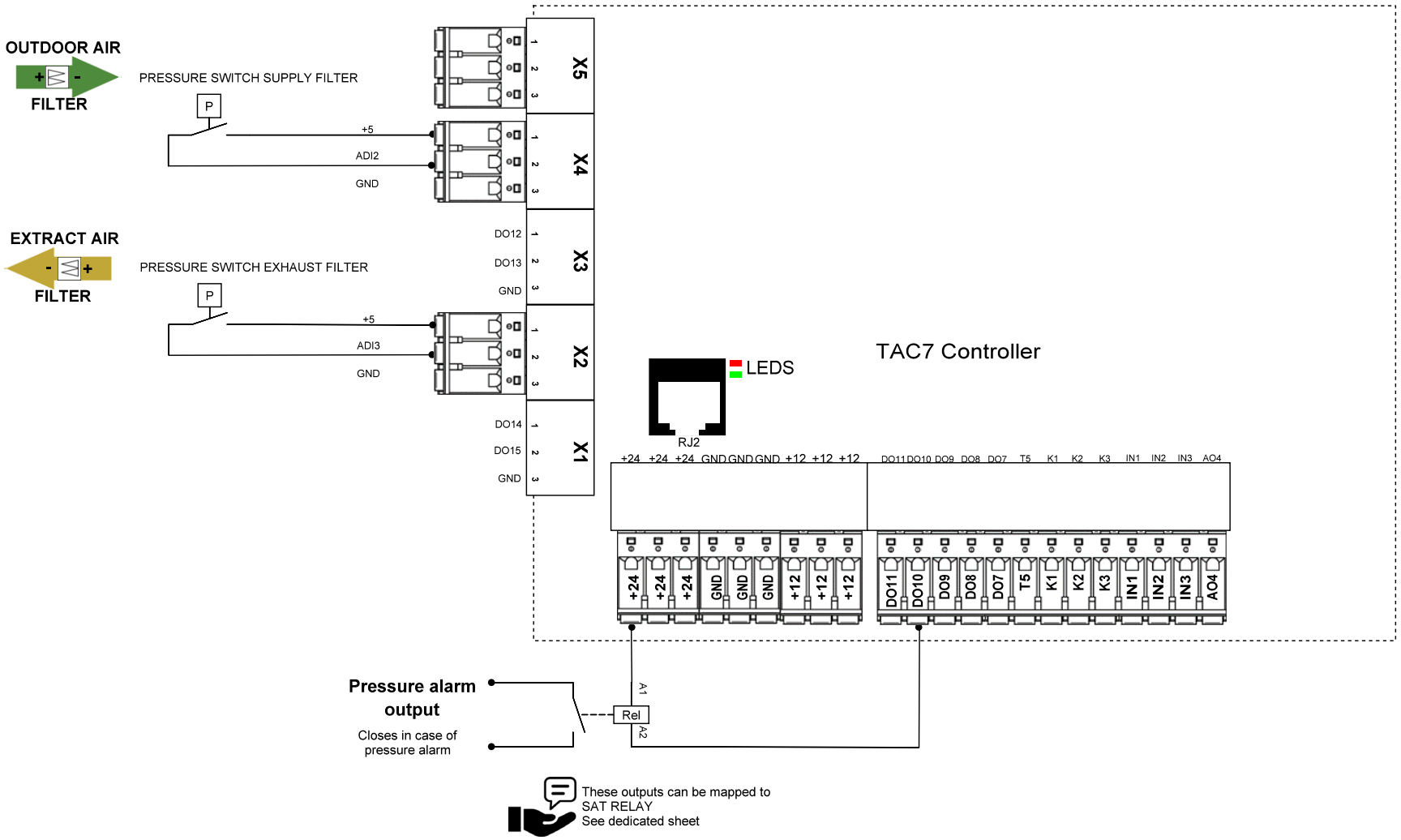


| Changes | | | Name | Date |
|---|---|---|---|---|
| Name | Date | Draw.: | ola | 27/09/2024 |
| | | check.: | | |
| | | Norm: | | |
| Subject: | GLOBAL_ESENSA_Wiring TAC7 (1).spl7 | | | |

Configuration of function:

Application:
Filters alarm - Pa switch

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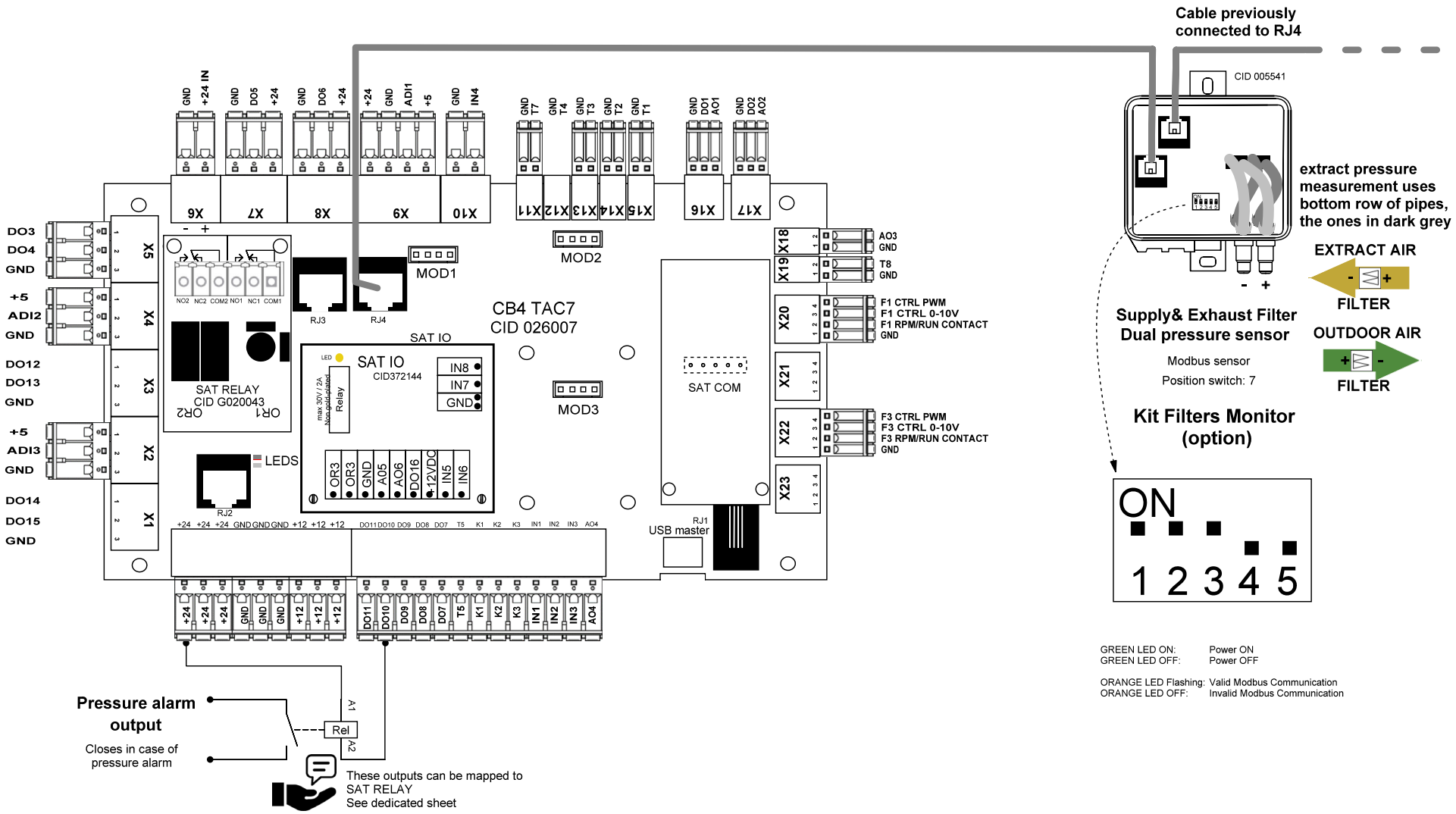
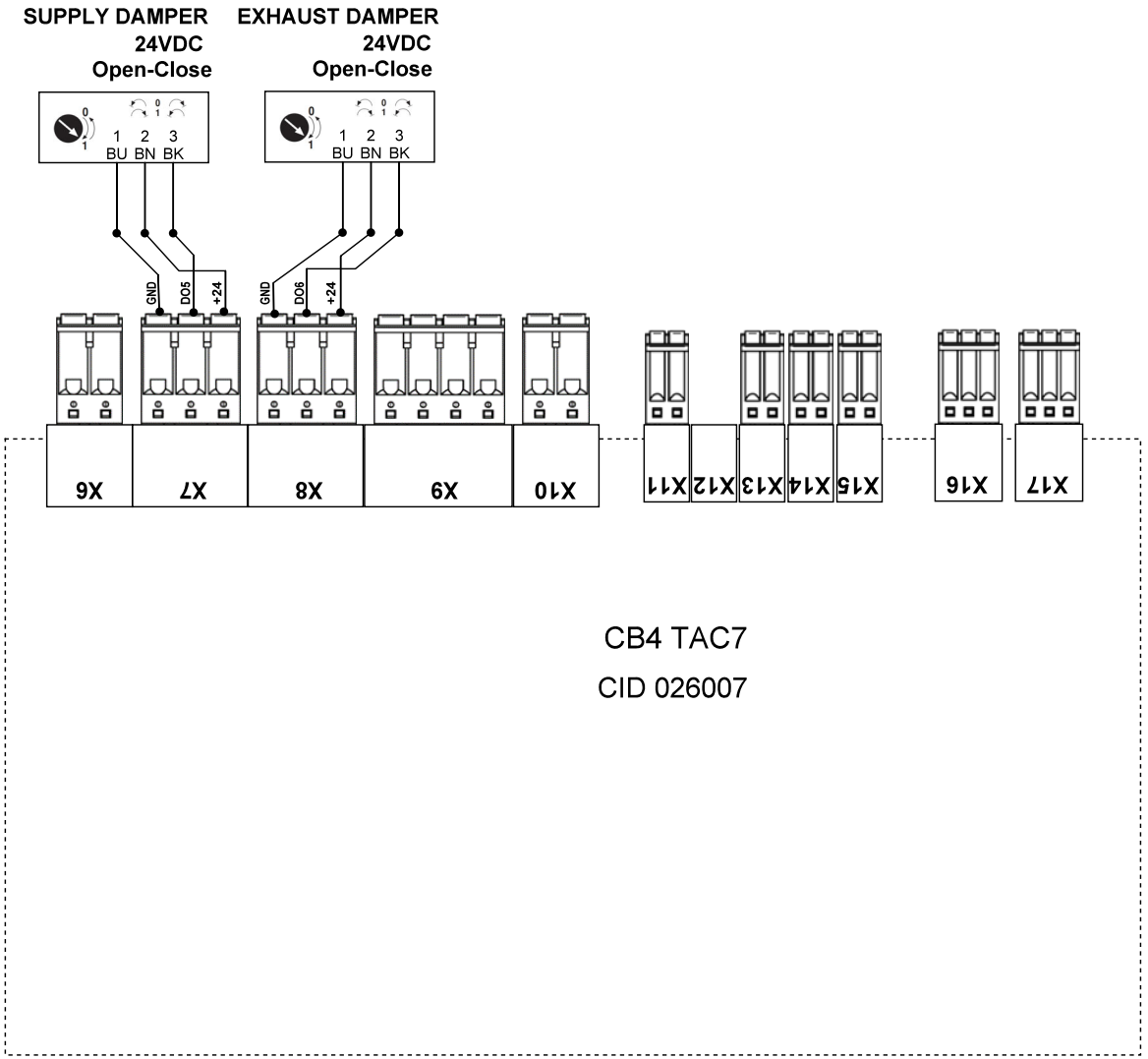



| Changes | | | Name | Date | Configuration of function: | Page |
|---|---|---|---|---|---|---|
| Name | Date | Draw.: | ola | 27/09/2024 | Function Filters/Pressure alarm/Filters pressure revelation with sensors | 20 |
| | | check.: | | | | |
| | | Norm: | | | Application: | of |
| Subject: | GLOBAL_ESENSA_Wiring TAC7 (1).spl7 | | | | Filters alarm & monitor | 63 |

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|




| Changes | | | Name | Date |
|---|---|---|---|---|
| Name | Date | Draw.: | ola | 27/09/2024 |
| msg | 07/04/2023 | check.: | | |
| | | Norm: | | |
| Subject: | GLOBAL_ESENSA_Wiring TAC7 (1).spl7 | | | |

Configuration of function:
Function Air Handling Unit/Dampers

Application:
Motorised damper - standard

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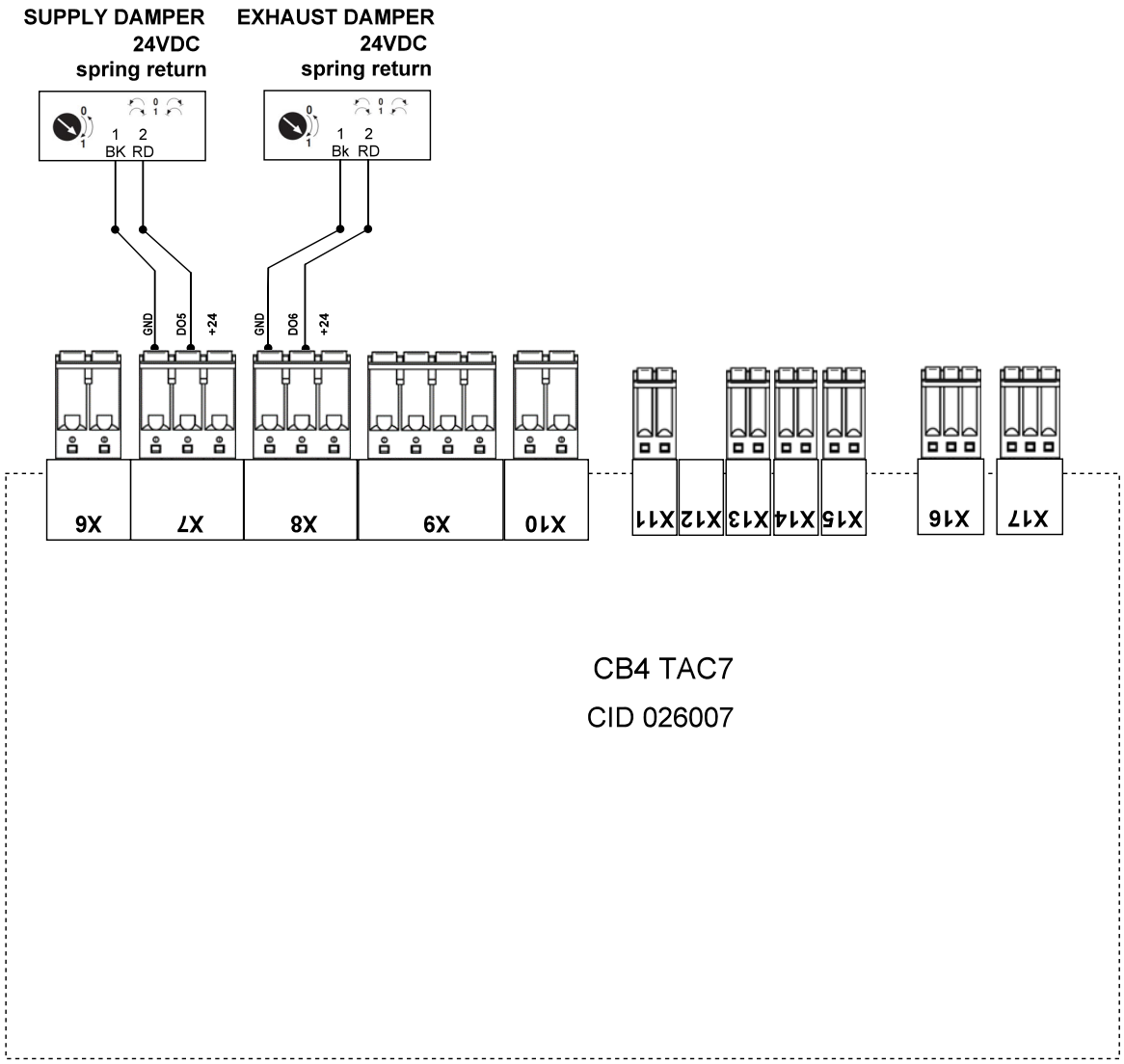
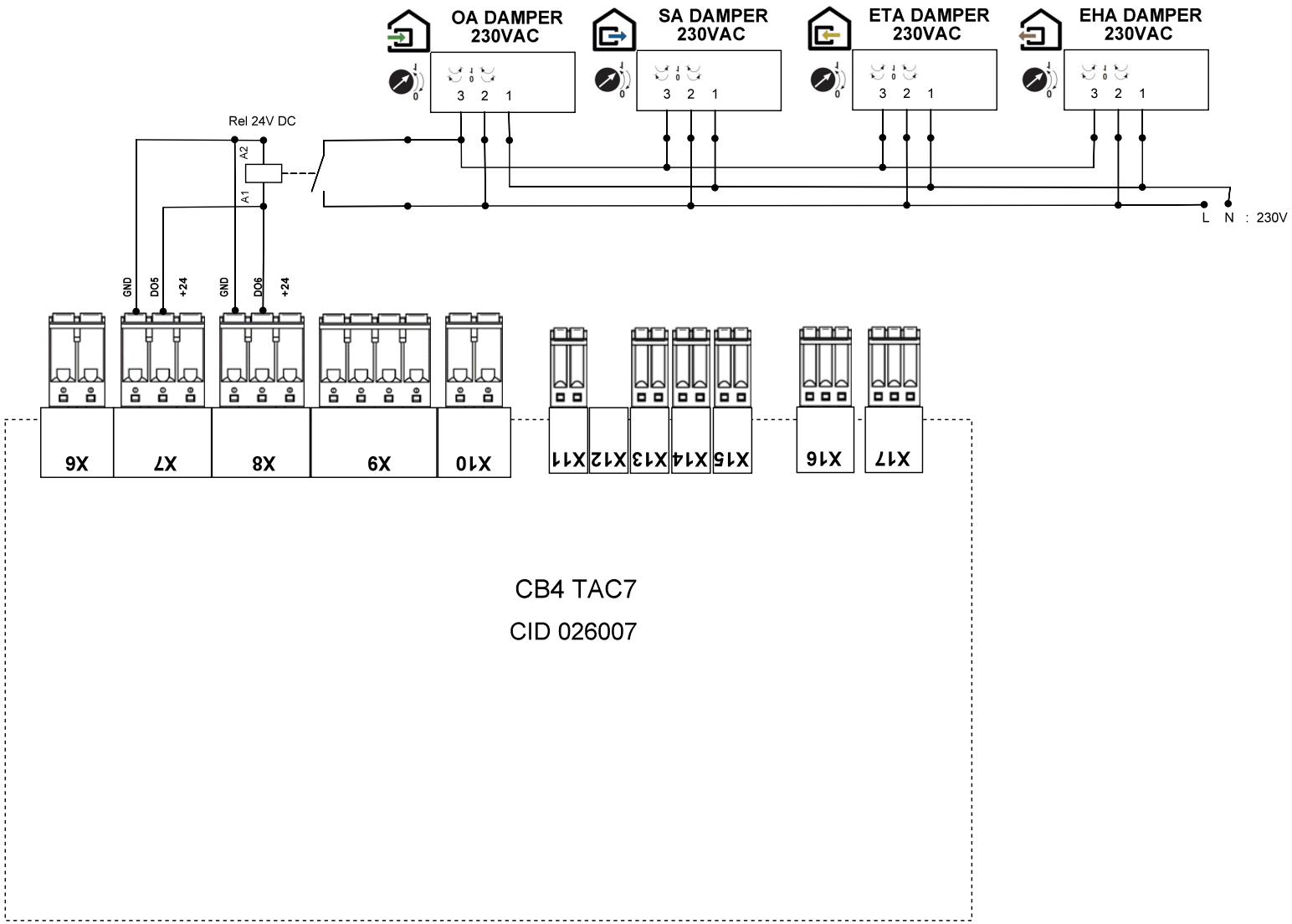
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|




| Changes | | | Name | Date | Configuration of function: | Page |
|---|---|---|---|---|---|---|
| Name | Date | Draw.: | ola | 27/09/2024 | Function Air Handling Unit/Dampers | 22 |
| | | check.: | | | | |
| | | Norm: | | | Application: | of 63 |
| Subject: | GLOBAL_ESENSA_Wiring TAC7 (1).spl7 | | | | Motorised damper - spring ret | |




| Changes | | | Name | Date |
|---|---|---|---|---|
| Name | Date | Draw.: | ola | 27/09/2024 |
| | | check.: | | |
| | | Norm: | | |
| Subject: | GLOBAL_ESENSA_Wiring TAC7 (1).spl7 | | | |

Configuration of function:
**Function Air Handling Unit/Dampers**
dampers move simultaneously in same direction (they all close or all open)

Application:
**Motorised damper - 230 V AC**

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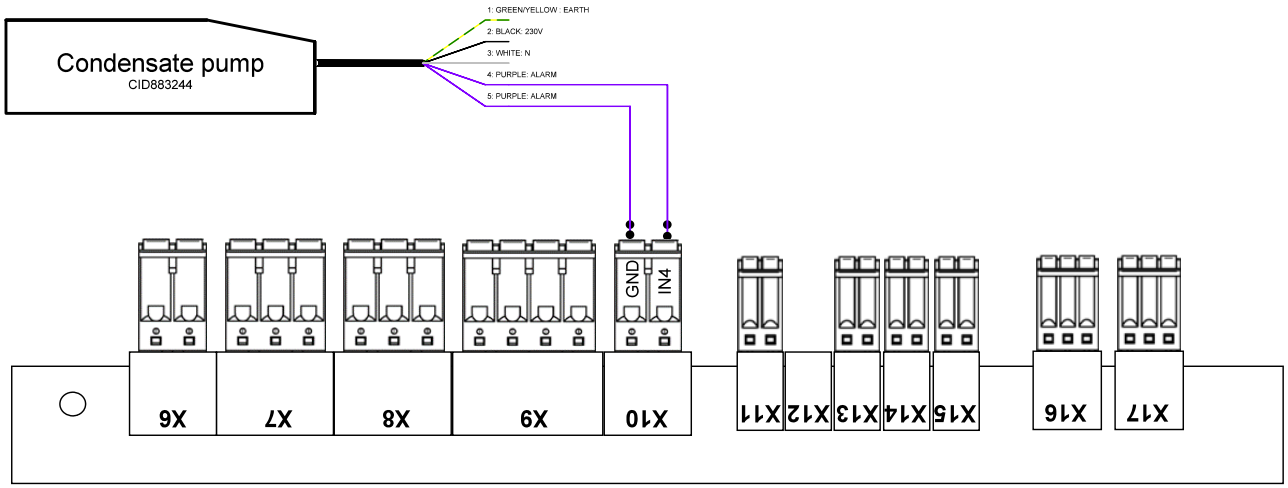
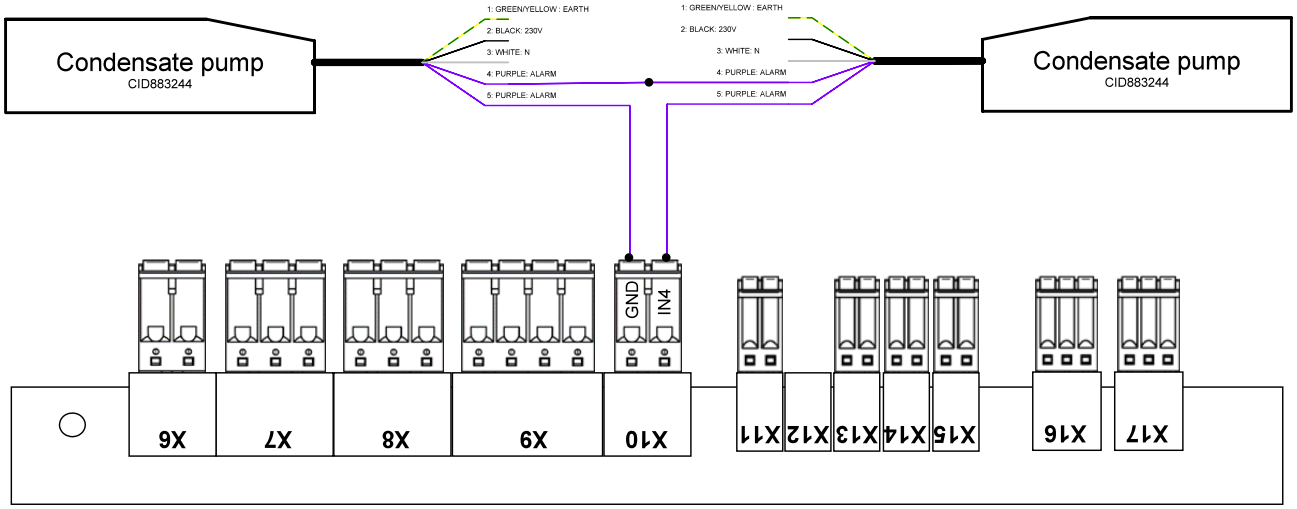
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|

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

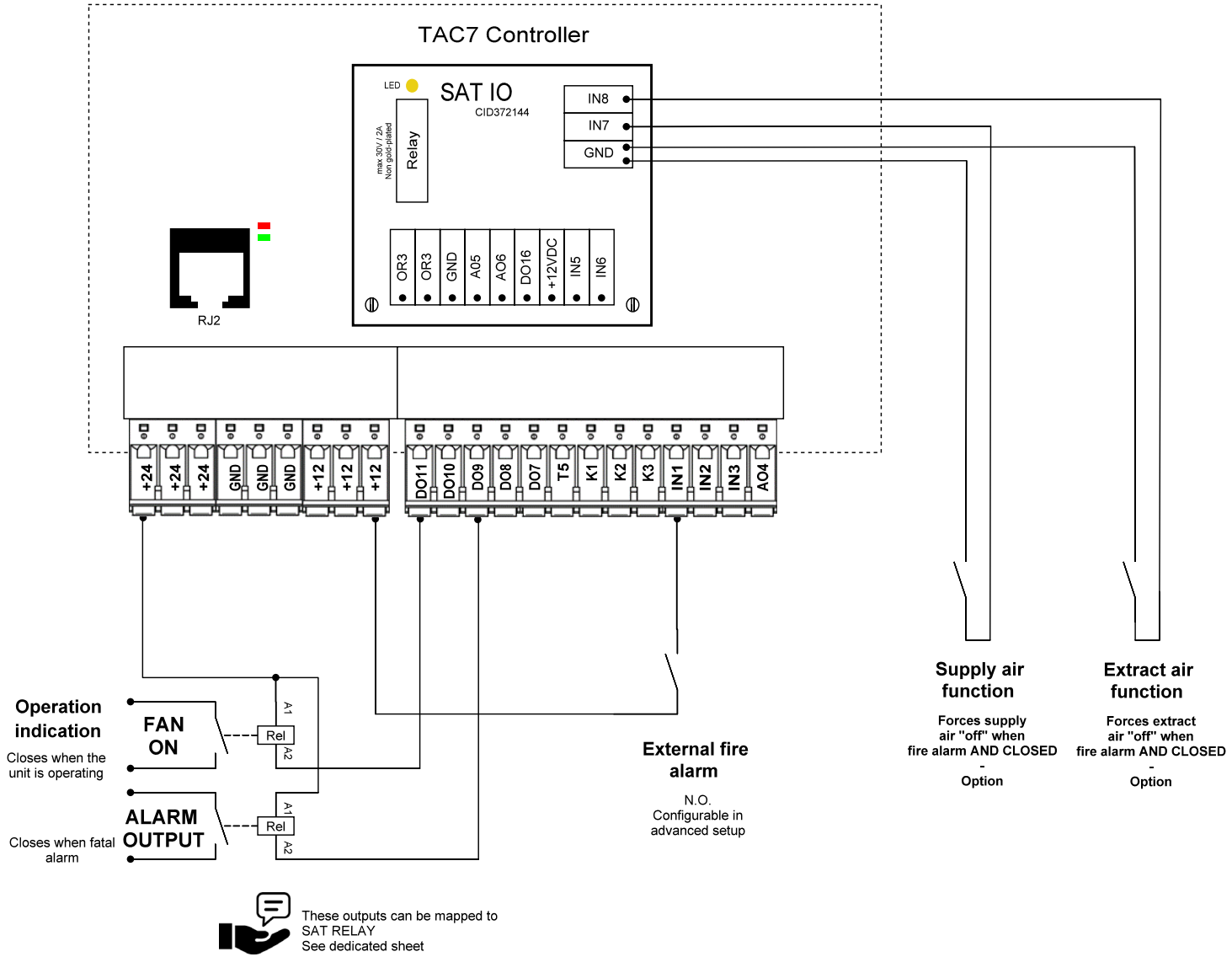



The condensate pump contains an internal sensor that will automatically start the pump when the water level rises above approx. 15 mm and stop the pump when the water level has fallen to approx. 5 mm. The condensate pump is also fitted with a high water level alarm that will operate the alarm relay if 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 | | Page |
|---|---|---|---|---|---|---|
| Name | Date | Draw.: | ola | 27/09/2024 | | 24 |
| | | check.: | | | | |
| | | Norm: | | | Application: | of |
| Subject: | GLOBAL_ESENSA_Wiring TAC7 (1).spl7 | | | | Condense pump | 63 |




| Changes | | | Name | Date |
|---|---|---|---|---|
| Name | Date | Draw.: | ola | 30/09/2024 |
| | | check.: | | |
| | | Norm: | | |
| Subject: | GLOBAL_ESENSA_Wiring TAC7 (1).spl7 | | | |

Configuration of function:
Function Alarm Settings

Application:
Fire alarm

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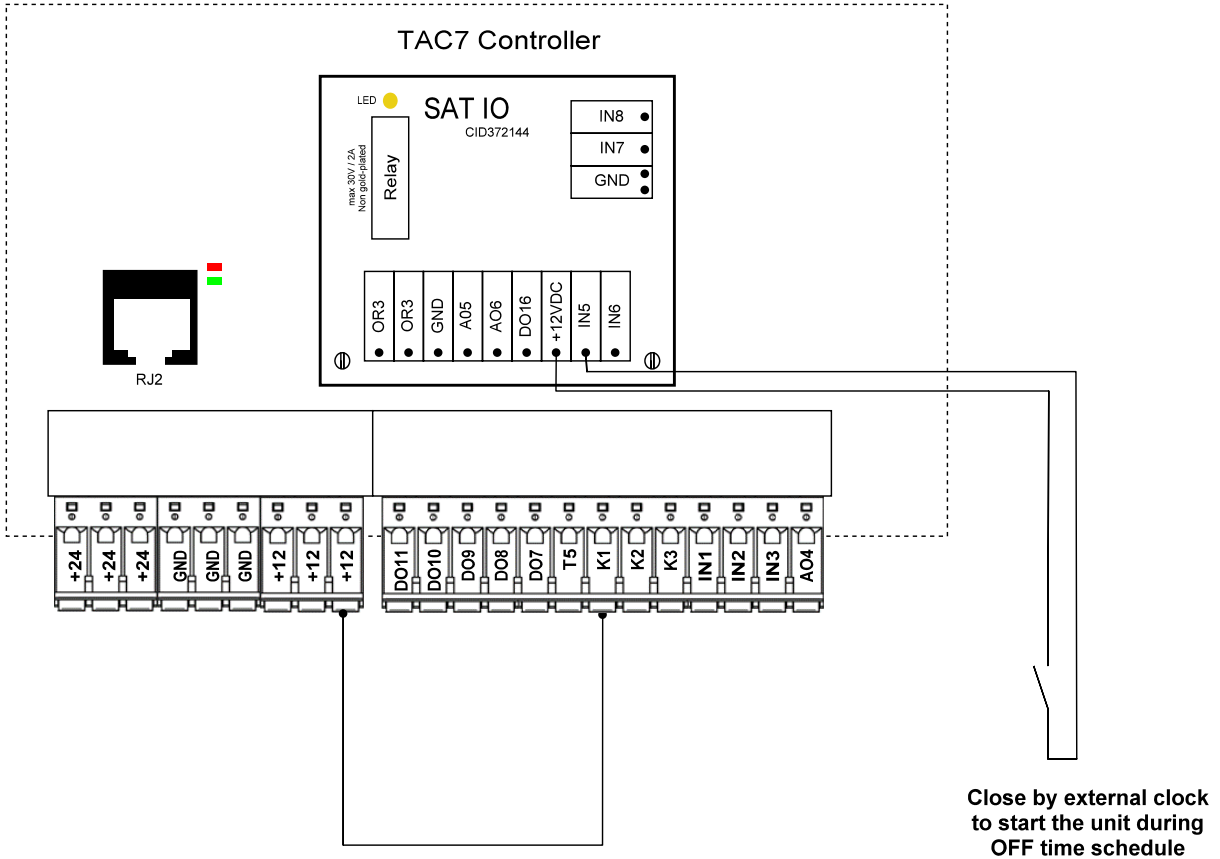


| Changes | | | Name | Date |
|---|---|---|---|---|
| Name | Date | Draw.: | ola | 30/09/2024 |
| | | check.: | | |
| | | Norm: | | |
| Subject: | GLOBAL_ESENSA_Wiring TAC7 (1).spl7 | | | |

Configuration of function:
Timeschedules configured
Control screen of TACtouch: Speed selecion on 'AUTO'

Application:
External Clock

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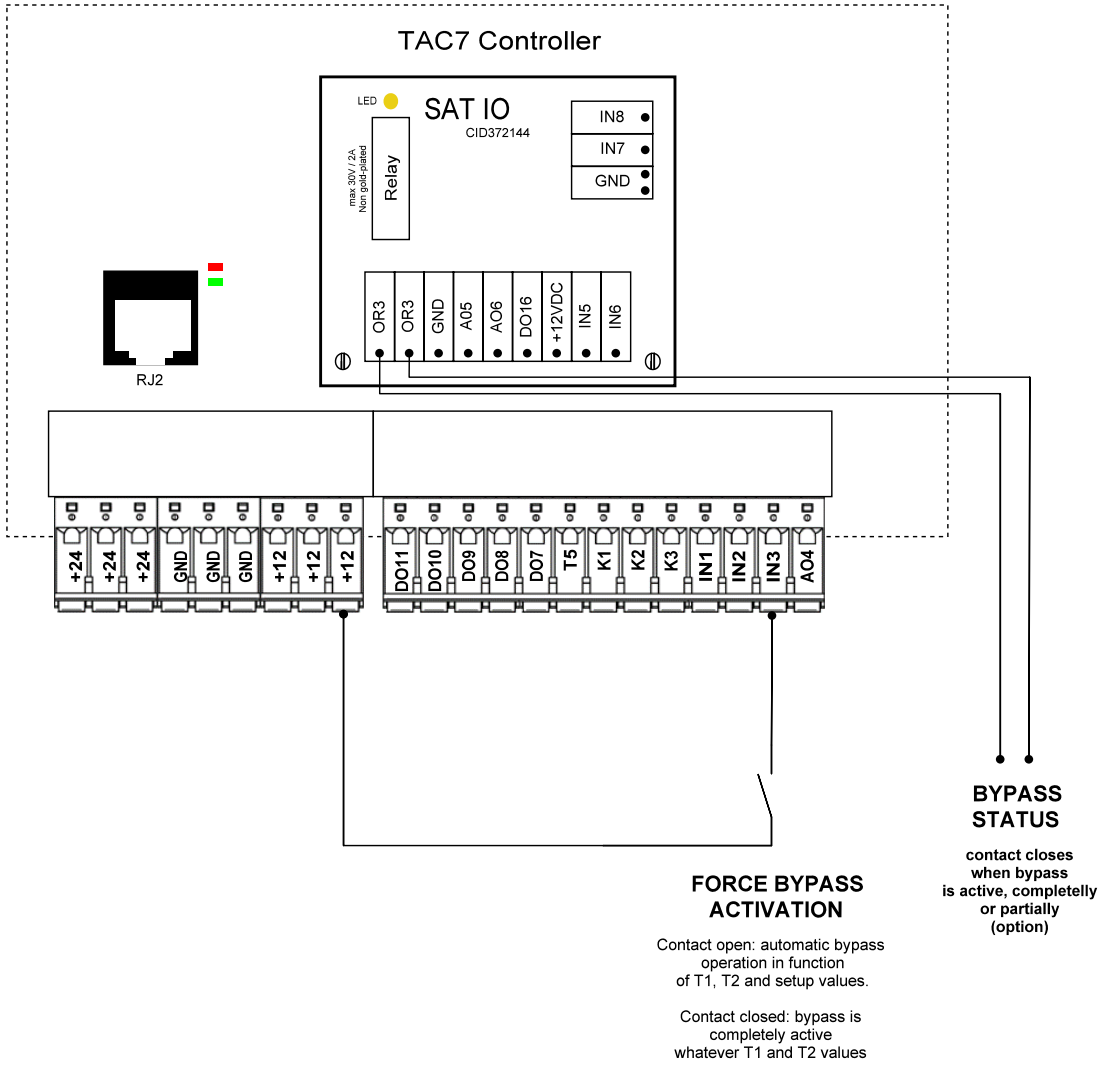
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|




| Changes | | | Name | Date |
|---|---|---|---|---|
| Name | Date | Draw.: | ola | 30/09/2024 |
| | | check.: | | |
| | | Norm: | | |
| Subject: | GLOBAL_ESENSA_Wiring TAC7 (1).spl7 | | | |

Configuration of function:
**Function Temperature/Freecooling**

Application:
**Bypass**

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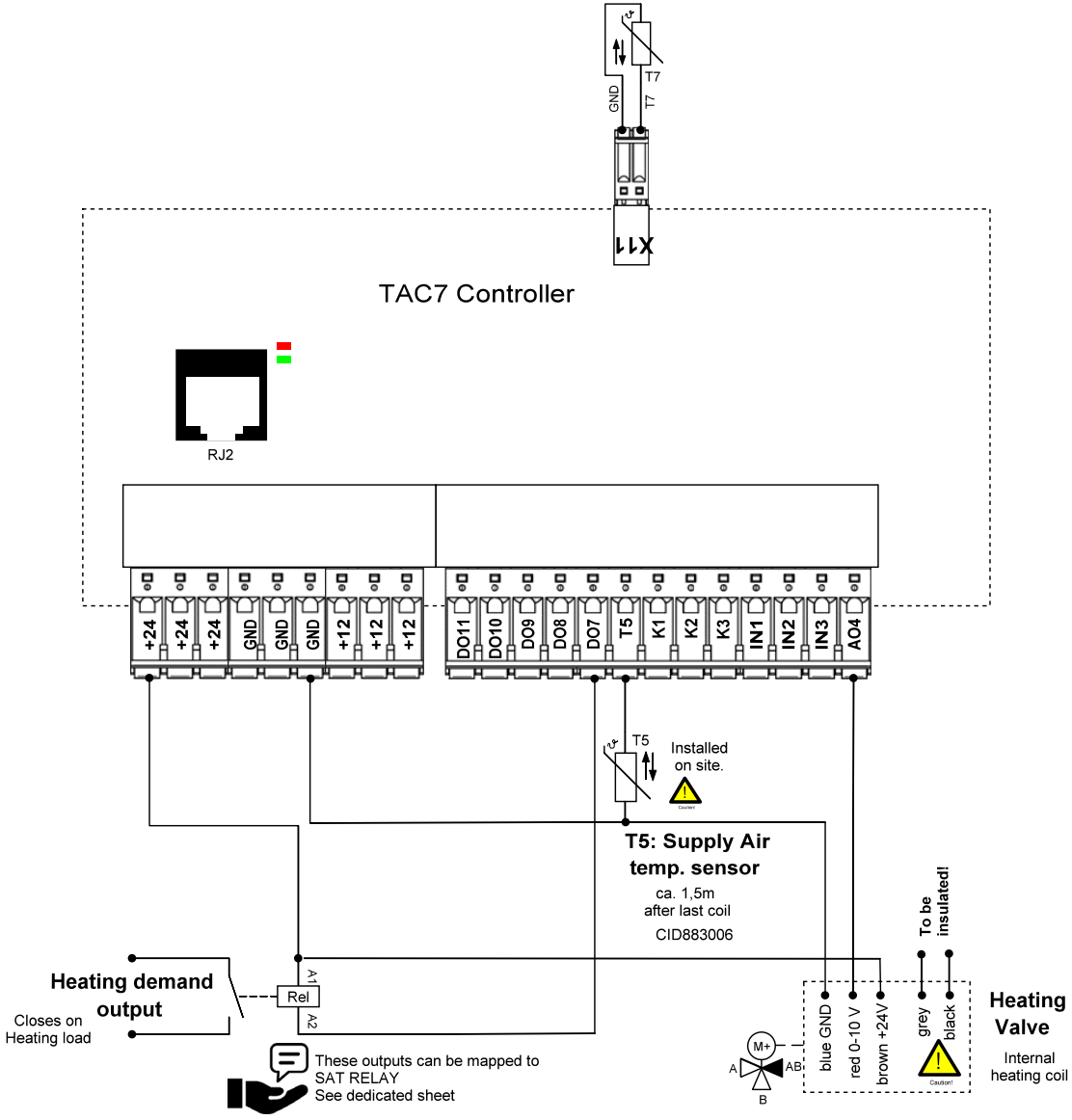


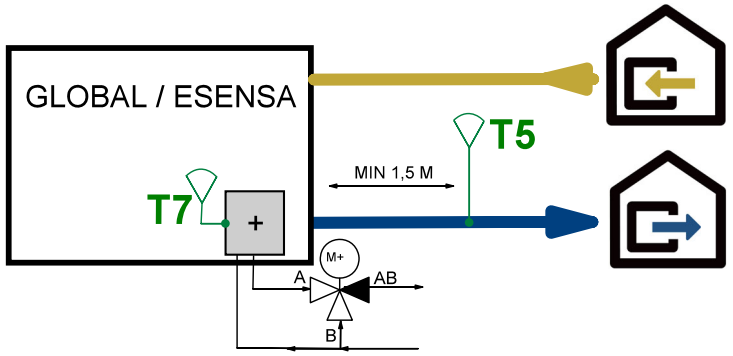


| Changes | | | Name | Date |
|---|---|---|---|---|
| Name | Date | Draw.: | ola | 30/09/2024 |
| | | check.: | | |
| | | Norm: | | |
| Subject: | GLOBAL_ESENSA_Wiring TAC7 (1).spl7 | | | |

Configuration of function:
Function Heat/Reheat/
Internal Waterborne Rehater (IBA)

Application:
IBA Internal Waterborne Reheat

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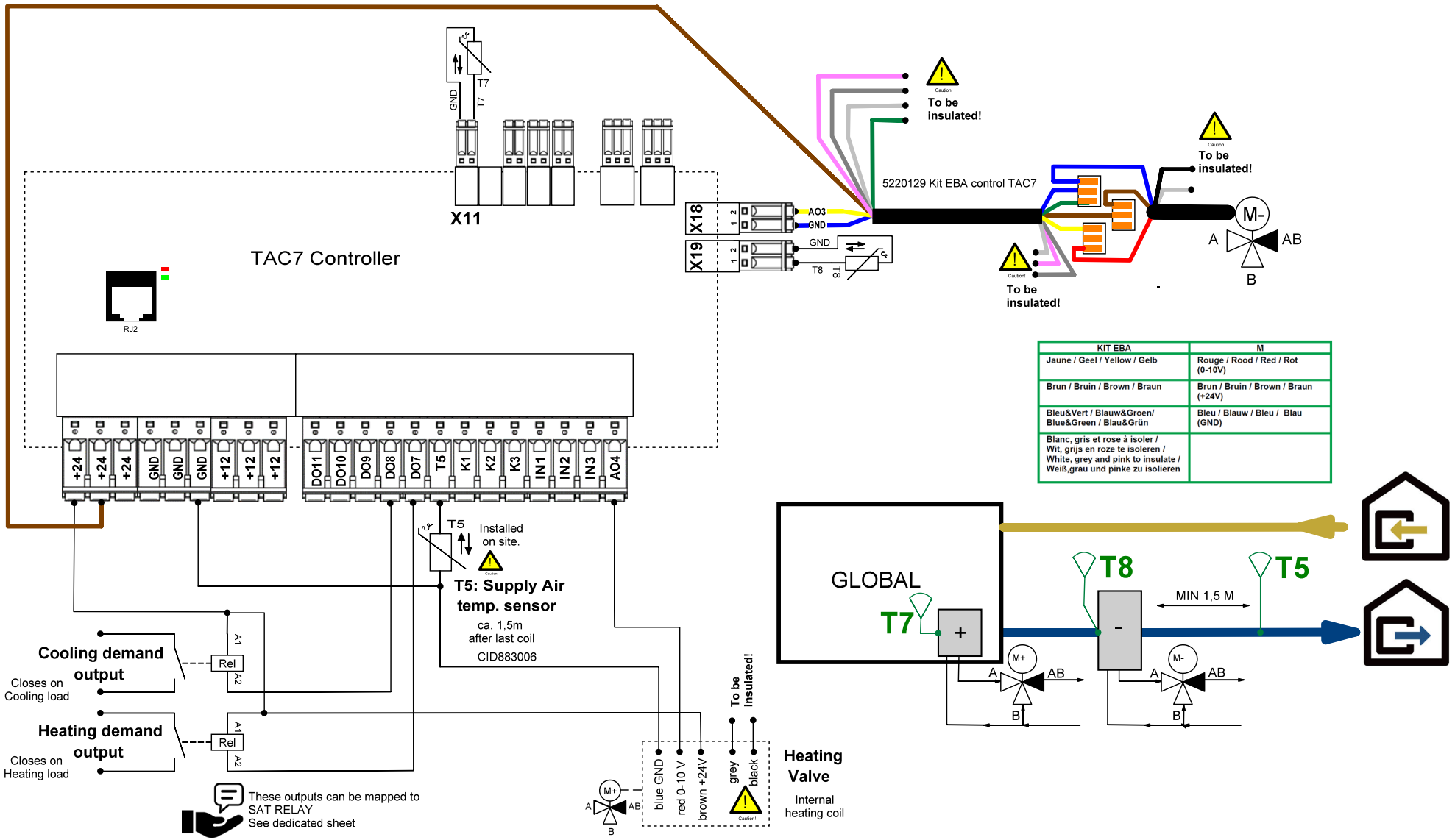


| Changes | | | Name | Date |
|---|---|---|---|---|
| Name | Date | Draw.: | ola | 03/10/2024 |
| | | check.: | | |
| | | Norm: | | |
| Subject: | GLOBAL_ESENSA_Wiring TAC7 (1).spl7 | | | |

Configuration of function:
Function Heat/Reheat/Internal Waterborne Rehater (IBA)
& Function Cool/Settings/External Waterborne Recooler (EBA-)

Application:
Int. heating & Ext. cooling

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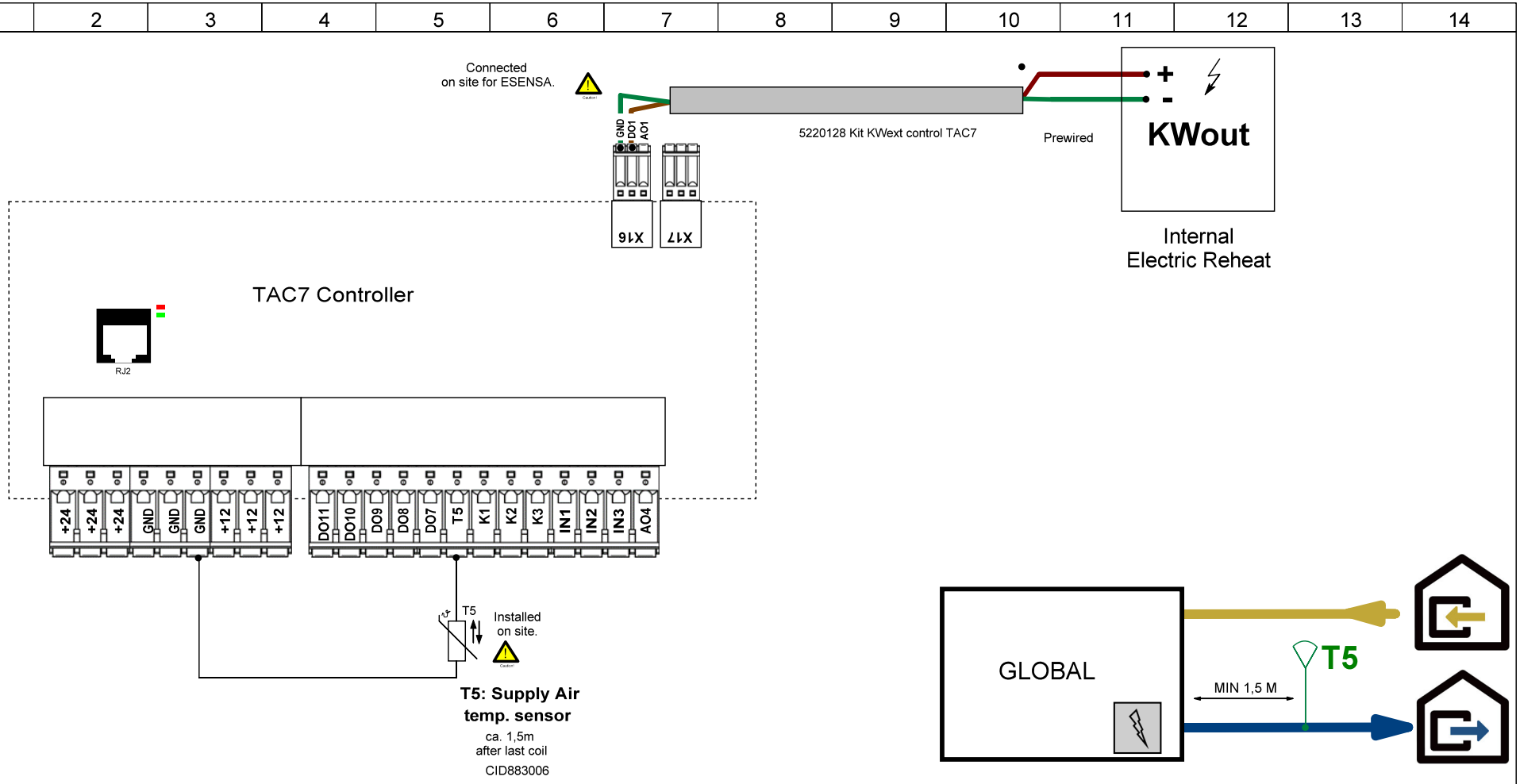


| Changes | | | Name | Date |
|---|---|---|---|---|
| Name | Date | Draw.: | ola | 30/09/2024 |
| | | check.: | | |
| | | Norm: | | |
| Subject: | GLOBAL_ESENSA_Wiring TAC7 (1).spl7 | | | |

Configuration of function:
Function Heat/Reheat/
Internal Electric Rehater (KWout)

Application:
KWout Internal Electric Reheat

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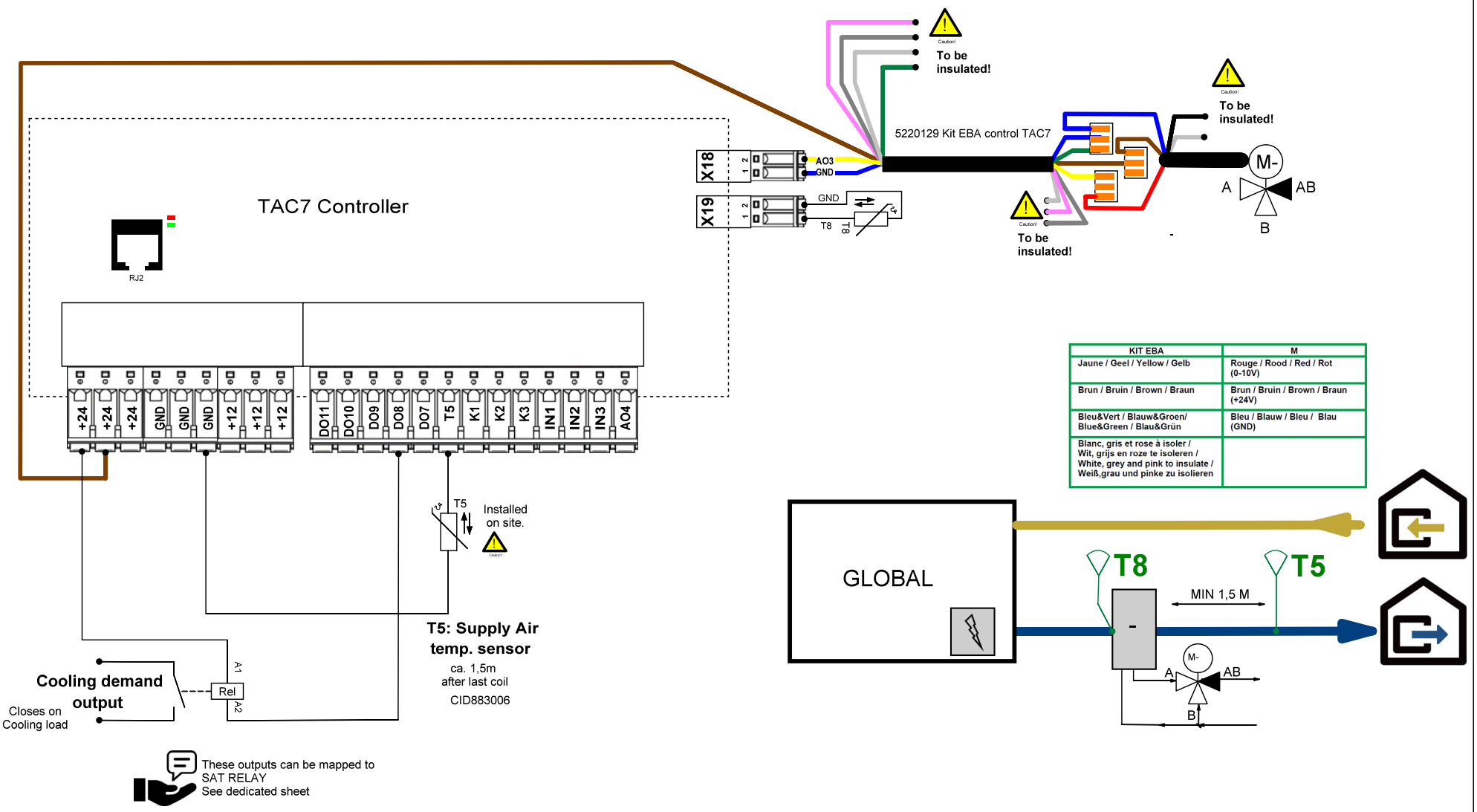


| KIT EBA | M |
|---|---|
| Jaune / Geel / Yellow / Gelb | Rouge / Rood / Red / Rot (0-10V) |
| Brun / Bruin / Brown / Braun | Brun / Bruin / Brown / Braun (+24V) |
| Bleu&Vert / Blauw&Groen/ Blue&Green / Blau&Grün | Bleu / Blauw / Bleu / Blau (GND) |
| Blanc, gris et rose à isoler / Wit, grijs en roze te isoleren / White, grey and pink to insulate / Weiß,grau und pinke zu isolieren | |

| Changes | | | Name | Date |
|---|---|---|---|---|
| Name | Date | Draw.: | ola | 03/10/2024 |
| | | check.: | | |
| | | Norm: | | |
| Subject: | GLOBAL_ESENSA_Wiring TAC7 (1).spl7 | | | |

Configuration of function:
Function Heat/Reheat/Internal Electric Rehater (KWout)
& Function Cool/Settings/External Waterborne Recooler (EBA-)

Application:
Int. elec heating & Ext. cool

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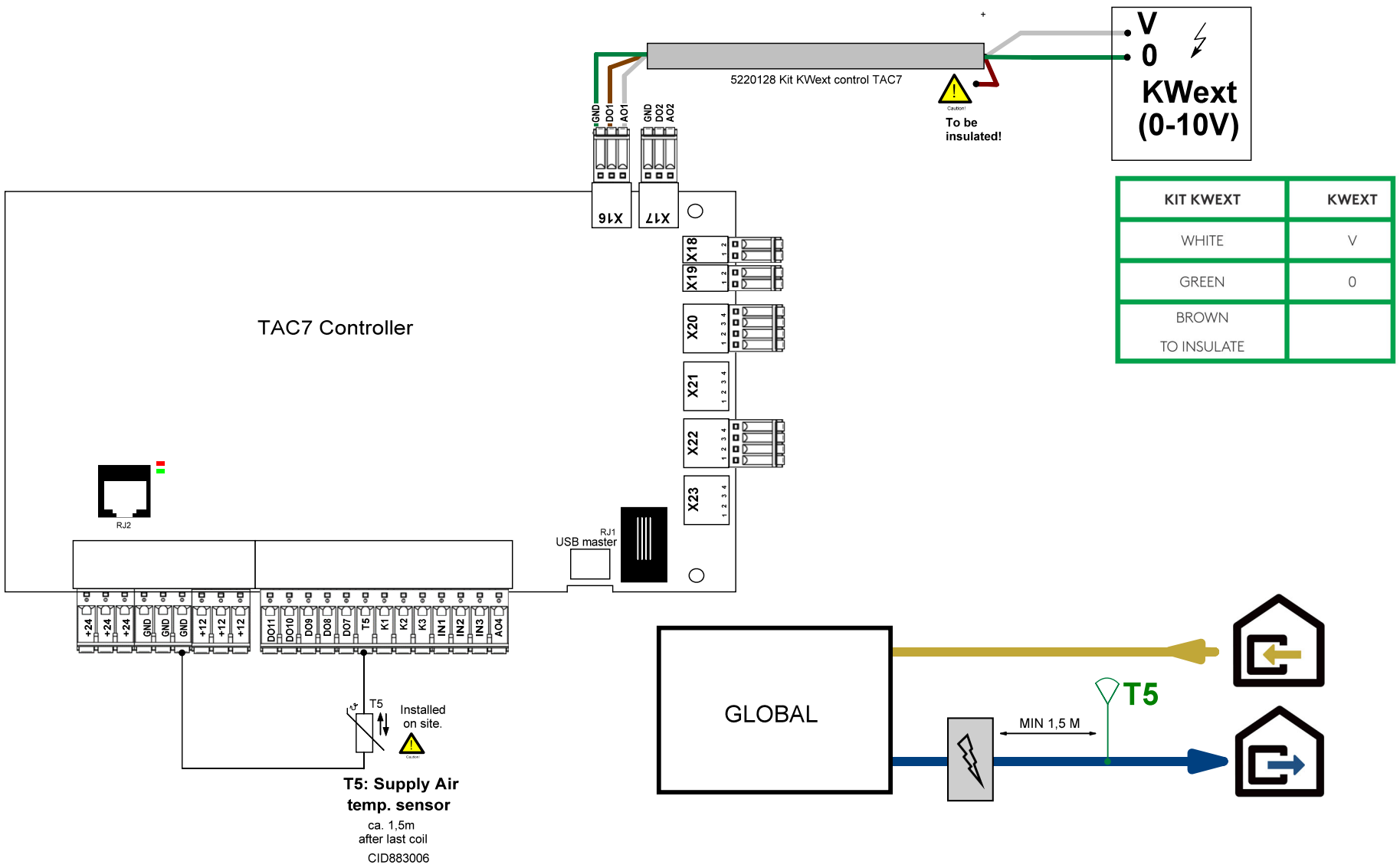


| Changes | | | Name | Date |
|---|---|---|---|---|
| Name | Date | Draw.: | ola | 03/10/2024 |
| | | check.: | | |
| | | Norm: | | |
| Subject: | GLOBAL_ESENSA_Wiring TAC7 (1).spl7 | | | |

Configuration of function:
Function Heat/Reheat/
External Electric Rehater (KWext - 0-10V)

Application:
External elec. heating 0-10V

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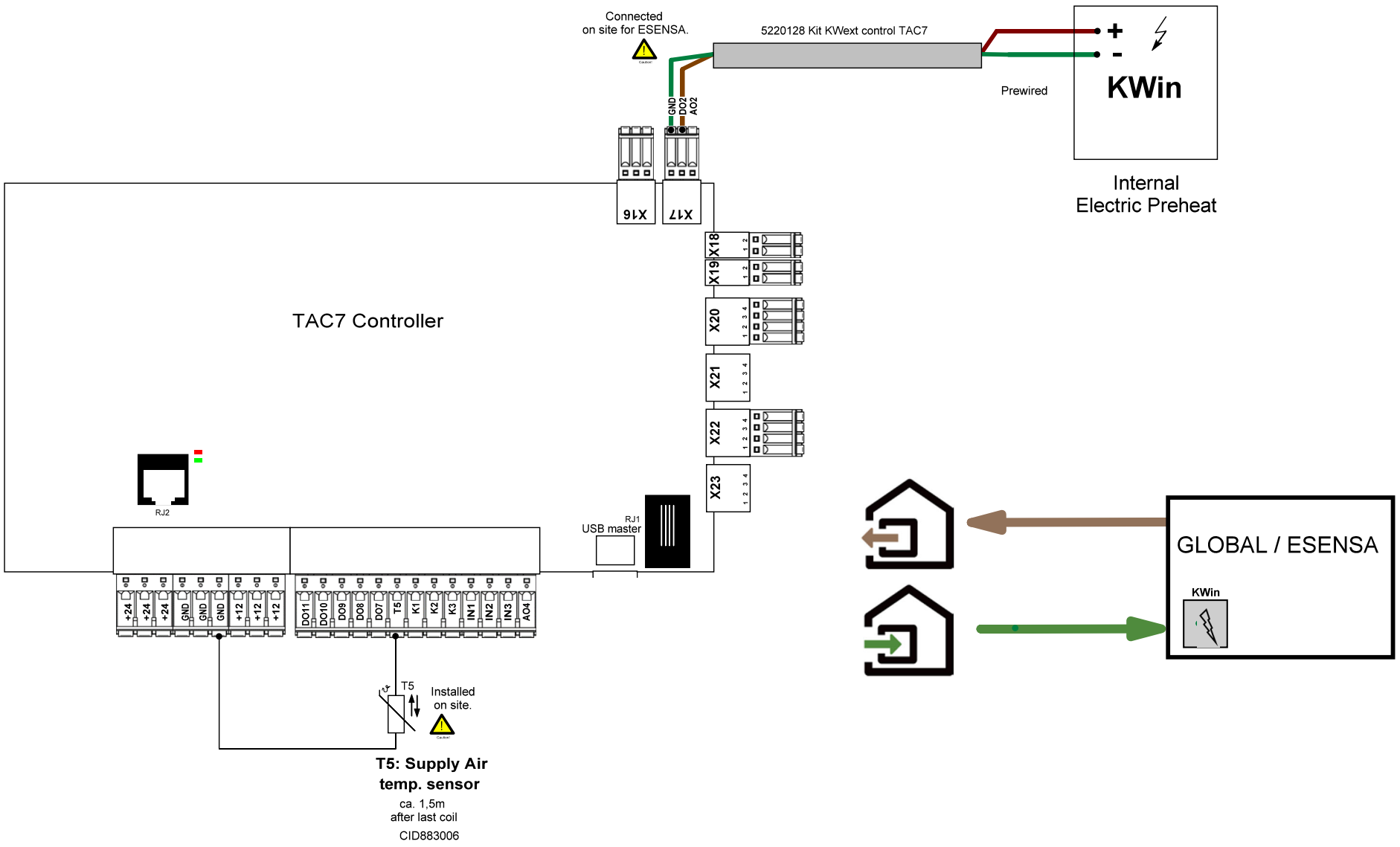


| Changes | | | Name | Date |
|---|---|---|---|---|
| Name | Date | Draw.: | ola | 03/10/2024 |
| | | check.: | | |
| | | Norm: | | |
| Subject: | GLOBAL_ESENSA_Wiring TAC7 (1).spl7 | | | |

Configuration of function:
Function Heat/Preheat/
Internal Electric Prehater (KWin)

Application:
KWin Internal Electric Preheat

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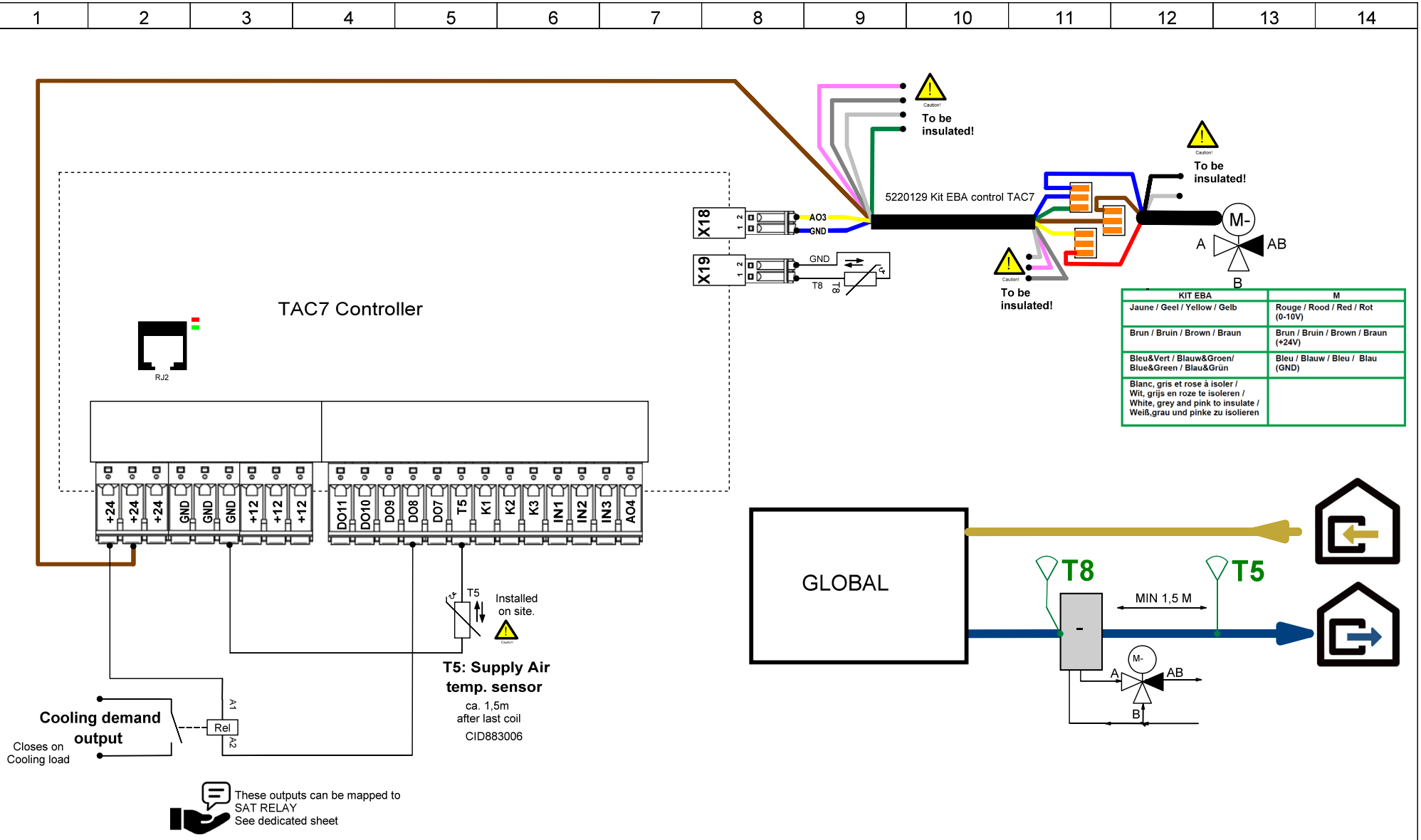


| Changes | | | Name | Date |
|---|---|---|---|---|
| Name | Date | Draw.: | ola | 03/10/2024 |
| | | check.: | | |
| | | Norm: | | |
| Subject: | GLOBAL_ESENSA_Wiring TAC7 (1).spl7 | | | |

Configuration of function:
Function Cool/Settings/
External Waterborne Recooler (EBA-)

Application:
External cooling coil

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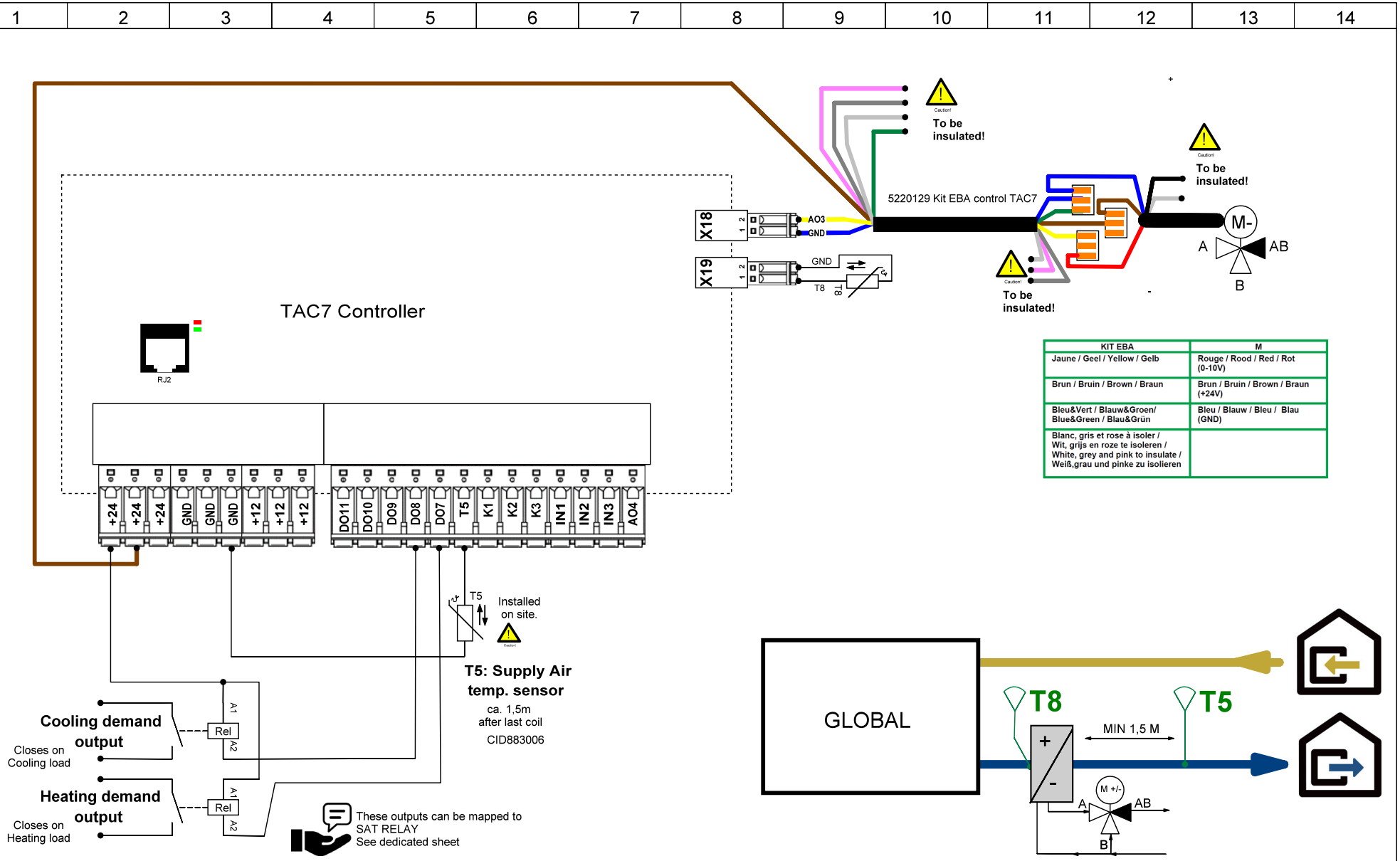


| Changes | | | Name | Date |
|---|---|---|---|---|
| Name | Date | Draw.: | ola | 03/10/2024 |
| | | check.: | | |
| | | Norm: | | |
| Subject: | GLOBAL_ESENSA_Wiring TAC7 (1).spl7 | | | |

Configuration of function:
**Function Heat/Cool/ External Waterborne Reversible (EBA+-)**

Application:
**Reversible battery**

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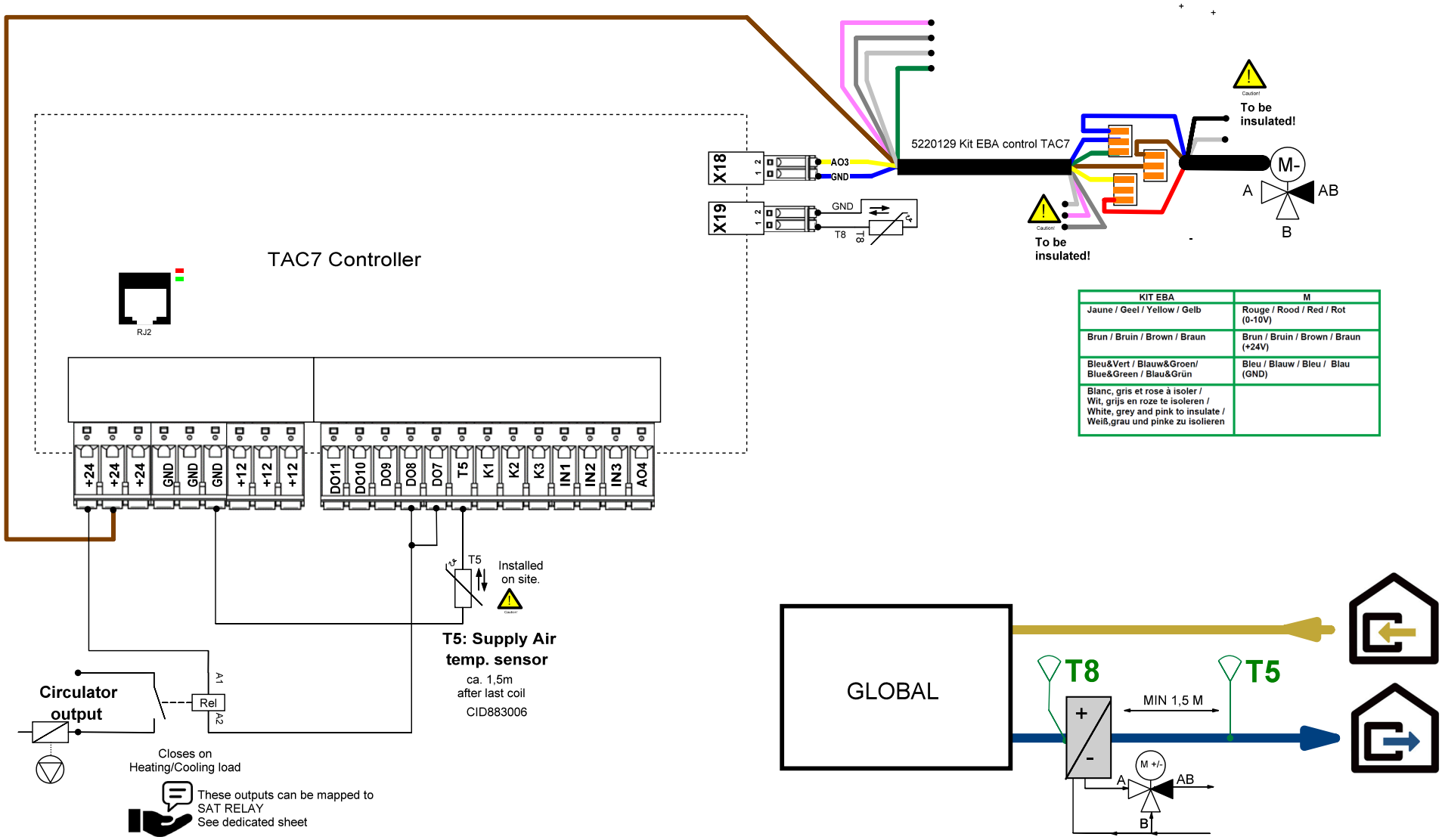


| Changes | | | Name | Date |
|---|---|---|---|---|
| Name | Date | Draw.: | ola | 03/10/2024 |
| | | check.: | | |
| | | Norm: | | |
| Subject: | GLOBAL_ESENSA_Wiring TAC7 (1).spl7 | | | |

Configuration of function:
Function Heat/Cool/
External Waterborne Reversible (EBA+-)

Application:
Reversible battery with 1 circulator

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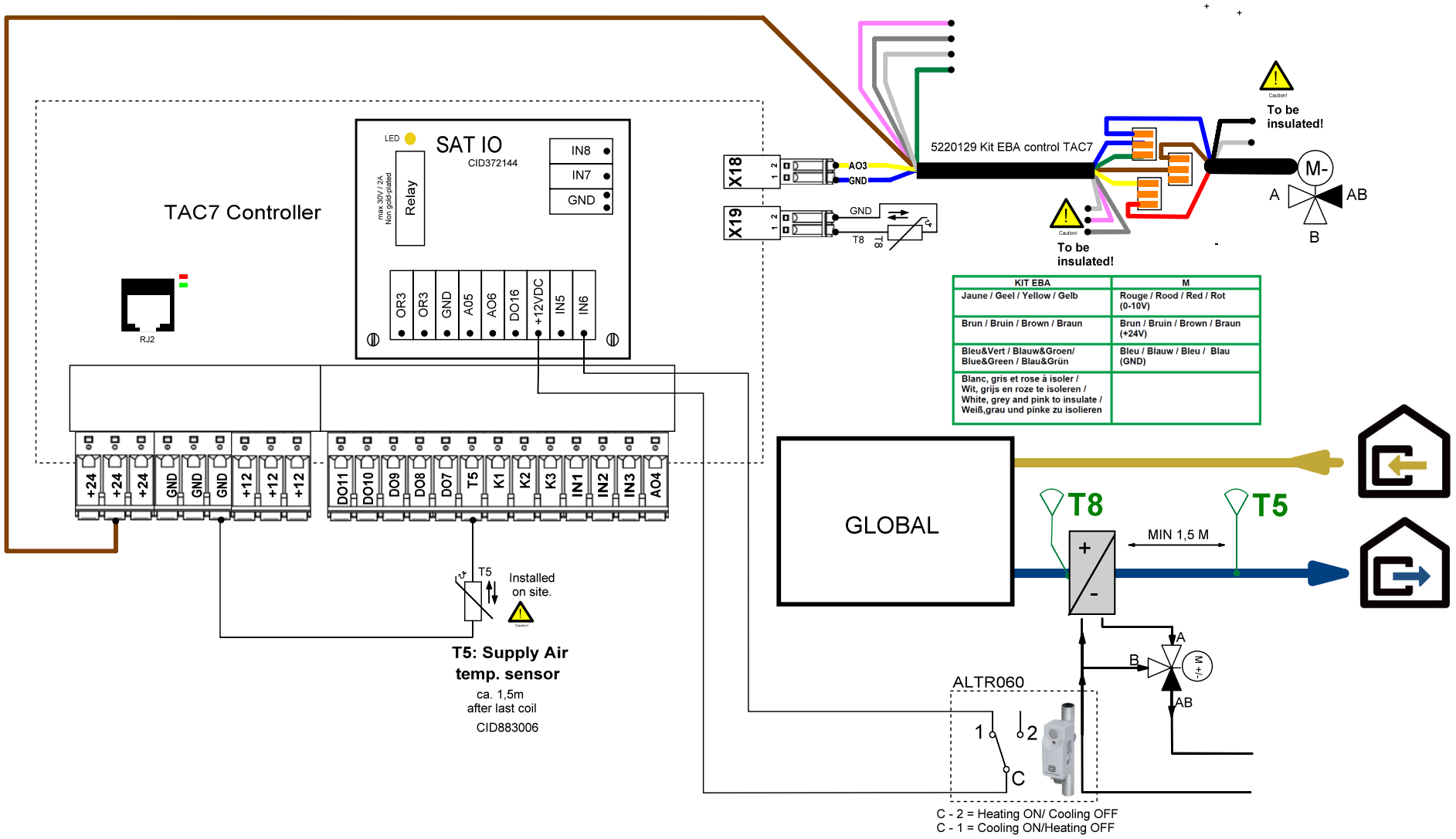


| Changes | | | Name | Date |
|---|---|---|---|---|
| Name | Date | Draw.: | ola | 03/10/2024 |
| | | check.: | | |
| | | Norm: | | |
| Subject: | GLOBAL_ESENSA_Wiring TAC7 (1).spl7 | | | |

Configuration of function:
Function Heat/Cool/
External Waterborne Reversible (EBA+-)

Application:
Reversible battery with 1 surface contact thermostat

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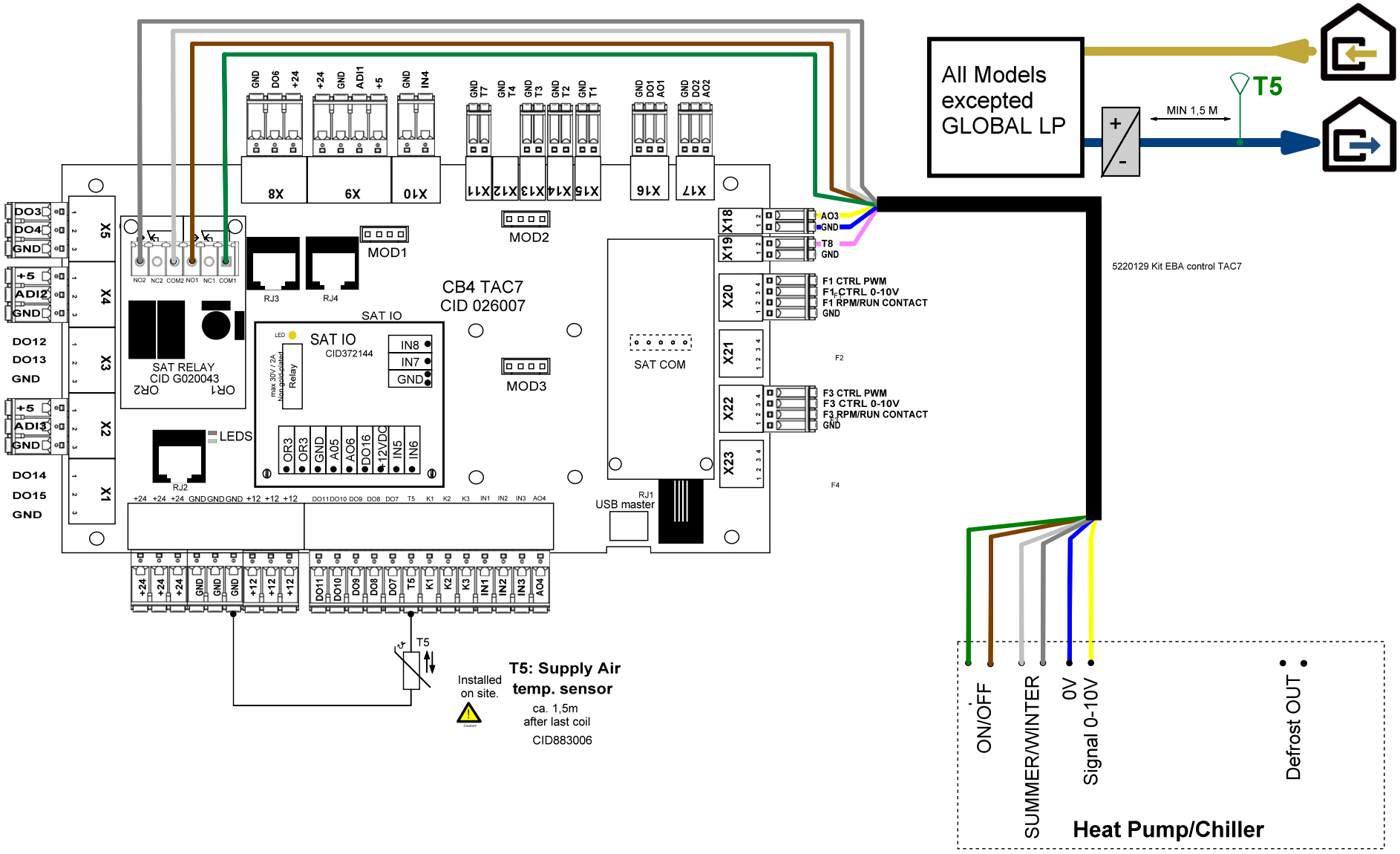
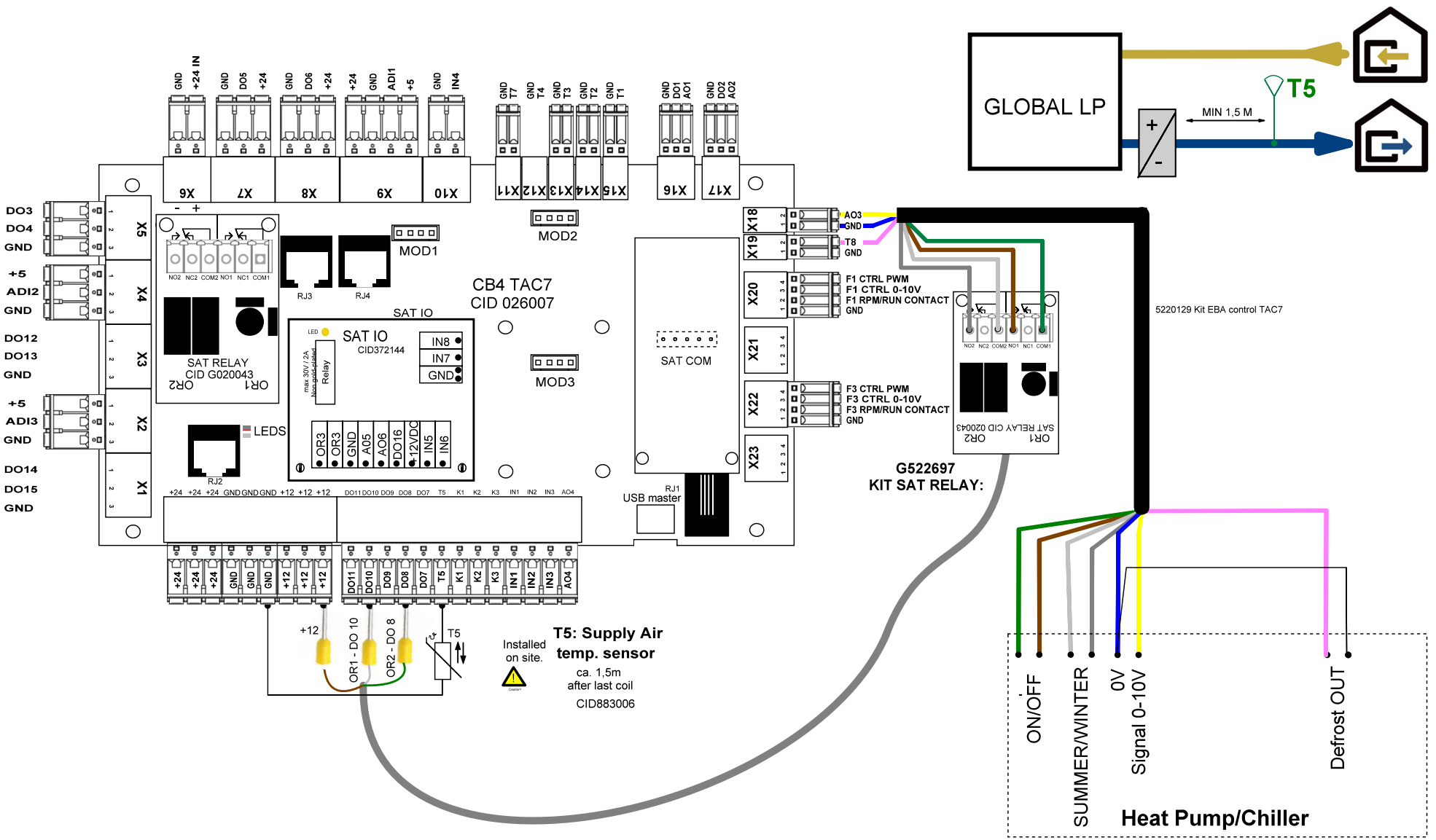



| Changes | | | Name | Date |
|---|---|---|---|---|
| Name | Date | Draw.: | msg | 22/10/2024 |
| | | check.: | | |
| | | Norm: | | |
| Subject: | GLOBAL_ESENSA_Wiring TAC7 (1).spl7 | | | |

Configuration of function:
**Function Heat/Re-heat/Heat pump**
**Function Cool/Settings/Chiller**
**Function Heat / Cool/Settings/Heat pump and Chiller**

Application:
Heat pump/Chiller




| Changes | | | Name | Date |
|---|---|---|---|---|
| Name | Date | Draw.: | msg | 22/10/2024 |
| | | check.: | | |
| | | Norm: | | |
| Subject: | GLOBAL_ESENSA_Wiring TAC7 (1).spl7 | | | |

Configuration of function:
**Function Heat / Cool/Settings/Heat pump and Chiller**

Application:
Heat pump/Chiller

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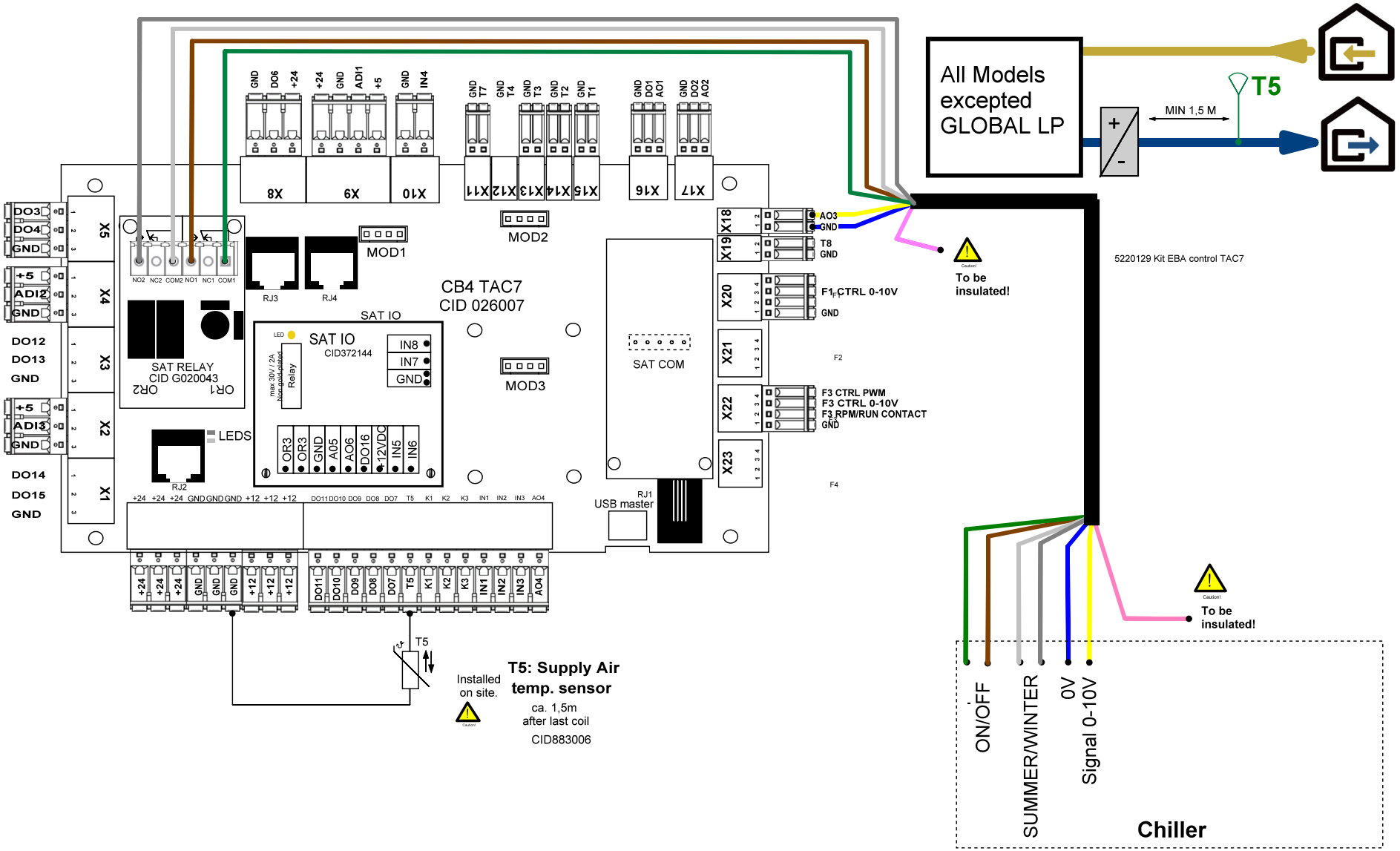


| Changes | | | Name | Date |
|---|---|---|---|---|
| Name | Date | Draw.: | msg | 22/10/2024 |
| | | check.: | | |
| | | Norm: | | |
| Subject: | GLOBAL_ESENSA_Wiring TAC7 (1).spl7 | | | |

Configuration of function:
**Function Cool/Settings/Chiller**

Application:
Chiller

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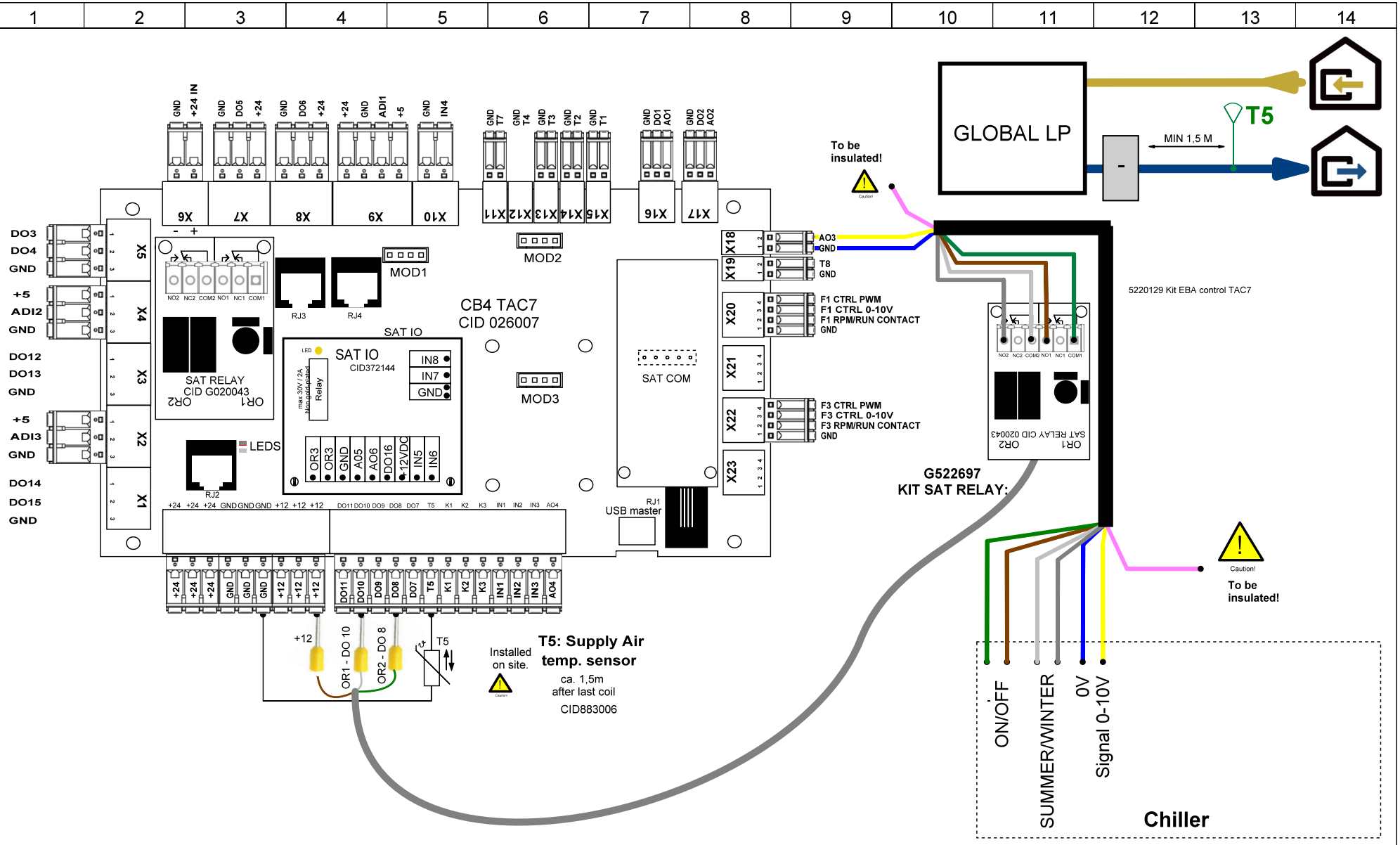


| Changes | | | Name | Date |
|---|---|---|---|---|
| Name | Date | Draw.: | msg | 22/10/2024 |
| | | check.: | | |
| | | Norm: | | |
| Subject: | GLOBAL_ESENSA_Wiring TAC7 (1).spl7 | | | |

Configuration of function:

**Function Cool/Settings/Chiller**

Application:

Heat pump/Chiller

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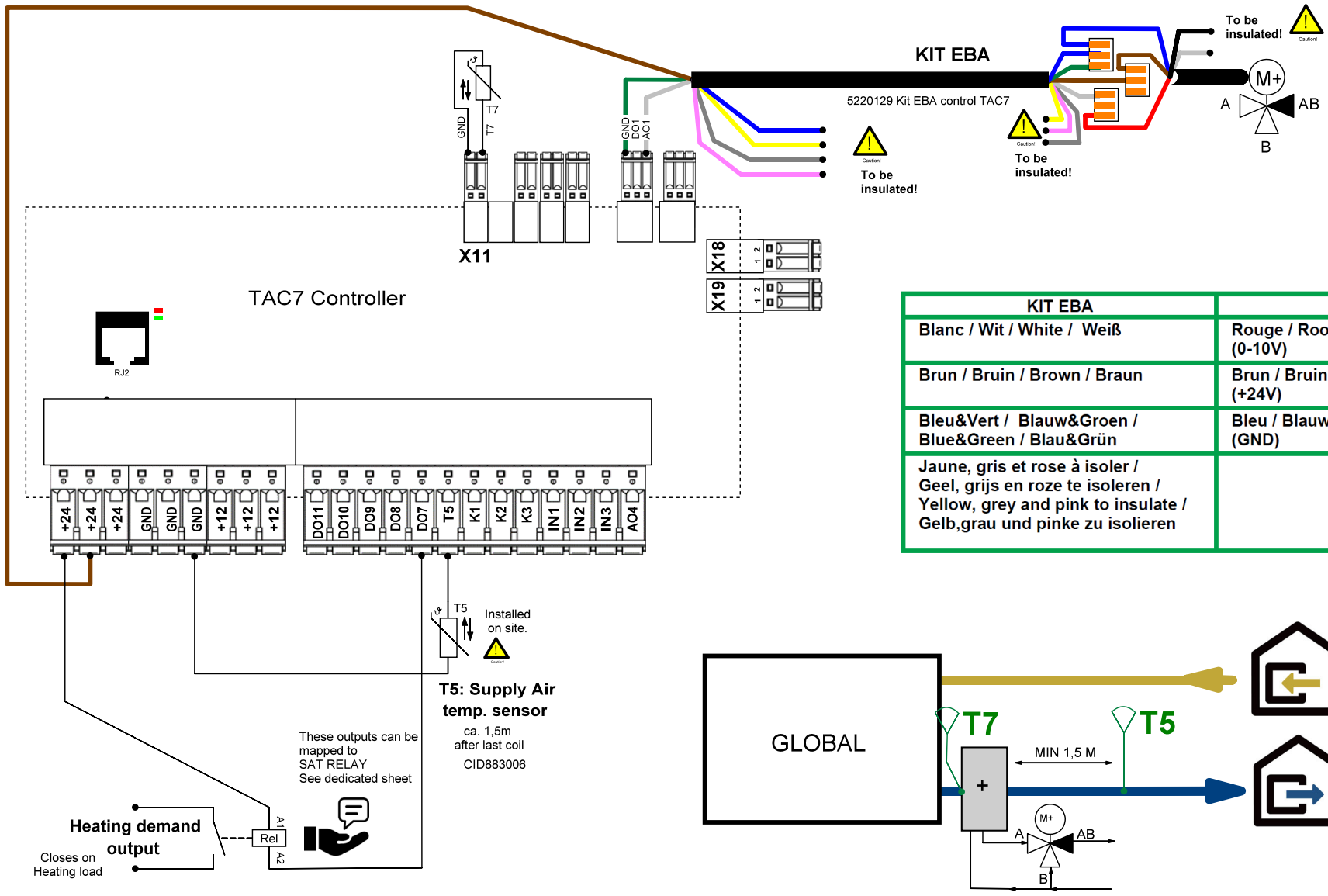


| KIT EBA | M |
|---|---|
| Blanc / Wit / White / Weiß | Rouge / Rood / Red / Rot (0-10V) |
| Brun / Bruin / Brown / Braun | Brun / Bruin / Brown / Braun (+24V) |
| Bleu&Vert / Blauw&Groen / Blue&Green / Blau&Grün | Bleu / Blauw / Bleu / Blau (GND) |
| Jaune, gris et rose à isoler / Geel, grijs en roze te isoleren / Yellow, grey and pink to insulate / Gelb,grau und pinke zu isolieren | |




| Changes | | | Name | Date |
|---|---|---|---|---|
| Name | Date | Draw.: | ola | 03/10/2024 |
| | | check.: | | |
| | | Norm: | | |
| Subject: | GLOBAL_ESENSA_Wiring TAC7 (1).spl7 | | | |

Configuration of function:
Function Heat/Reheat/
External Waterborne Rehater (EBA+)

Application:
External heating coil

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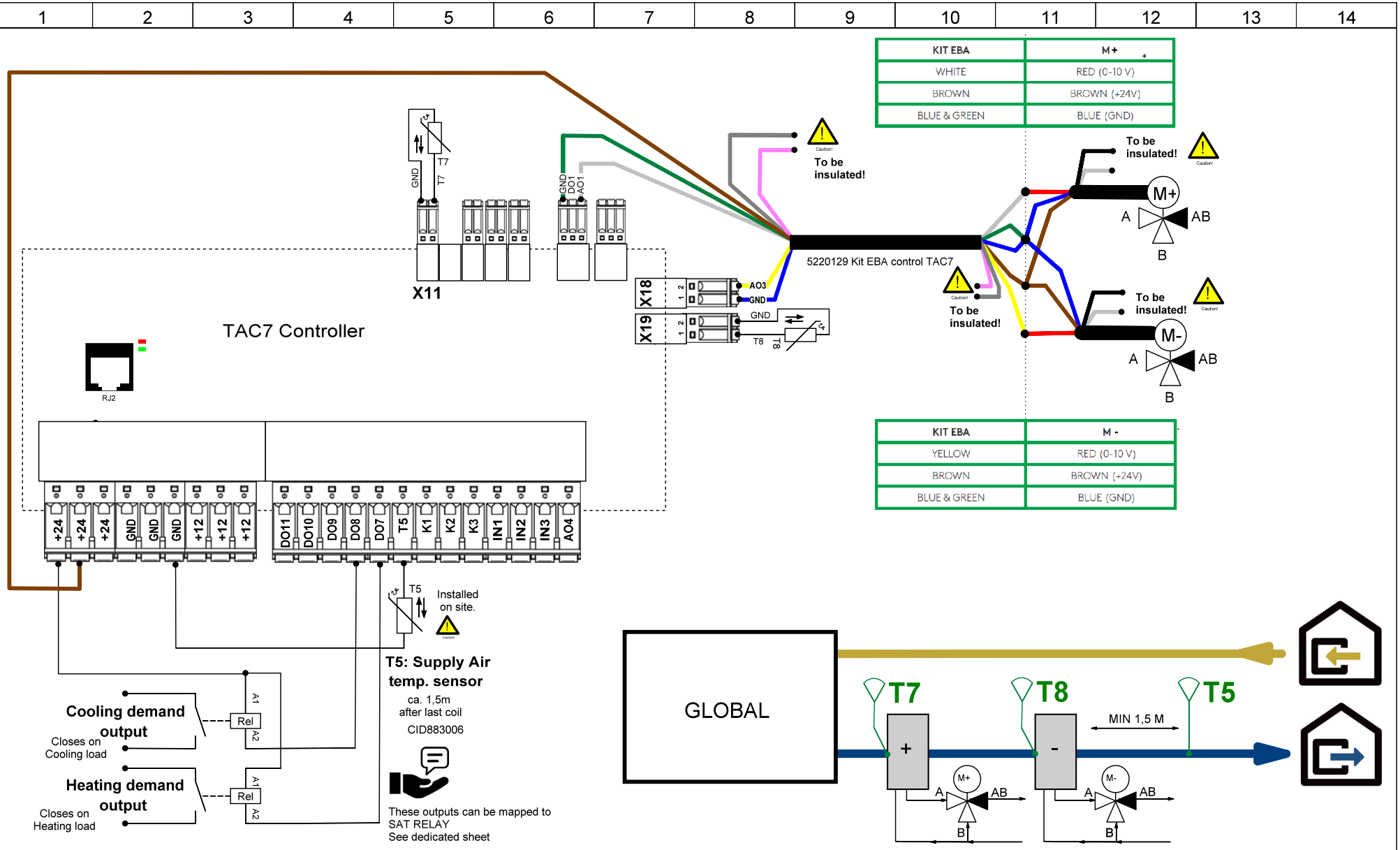


| Changes | | | Name | Date |
|---|---|---|---|---|
| Name | Date | Draw.: | ola | 03/10/2024 |
| | | check.: | | |
| | | Norm: | | |
| Subject: | GLOBAL_ESENSA_Wiring TAC7 (1).spl7 | | | |

Configuration of function:
Function Heat/Reheat/External Waterborne Rehater (EBA+)
& Function Cool/Settings/External Waterborne Recooler (EBA-)

Application:
Ext. heating & Ext. Cooling 1 (use of 1 EBA cable)

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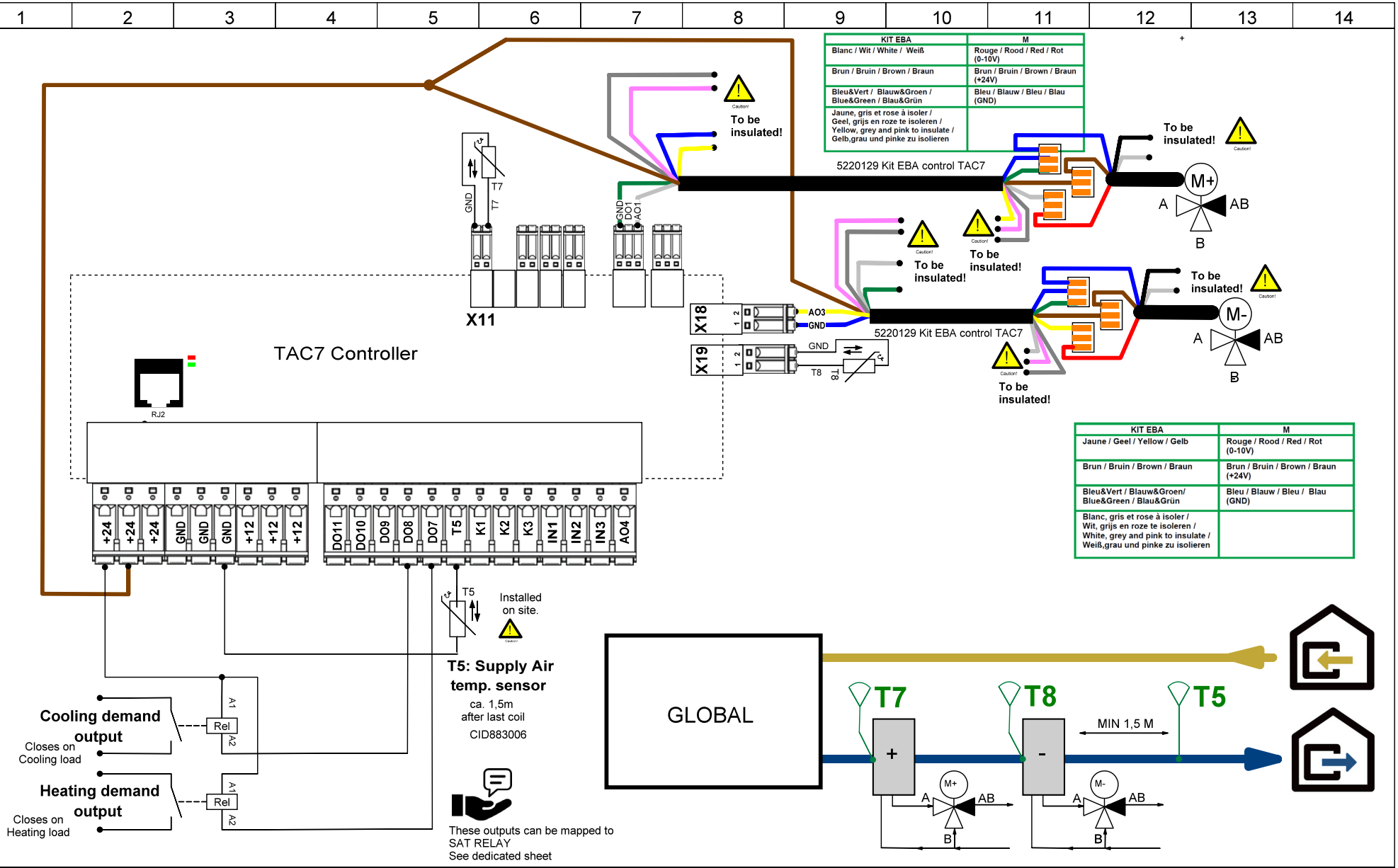


| Changes | | | Name | Date |
|---|---|---|---|---|
| Name | Date | Draw.: | ola | 03/10/2024 |
| | | check.: | | |
| | | Norm: | | |
| Subject: | GLOBAL_ESENSA_Wiring TAC7 (1).spl7 | | | |

Configuration of function:
Function Heat/Reheat/External Electric Rehater (KWext)
& Function Cool/Settings/External Waterborne Recooler (EBA-)

Application:
Ext. heating & Ext. Cooling 2 (use of 2 EBA cables)

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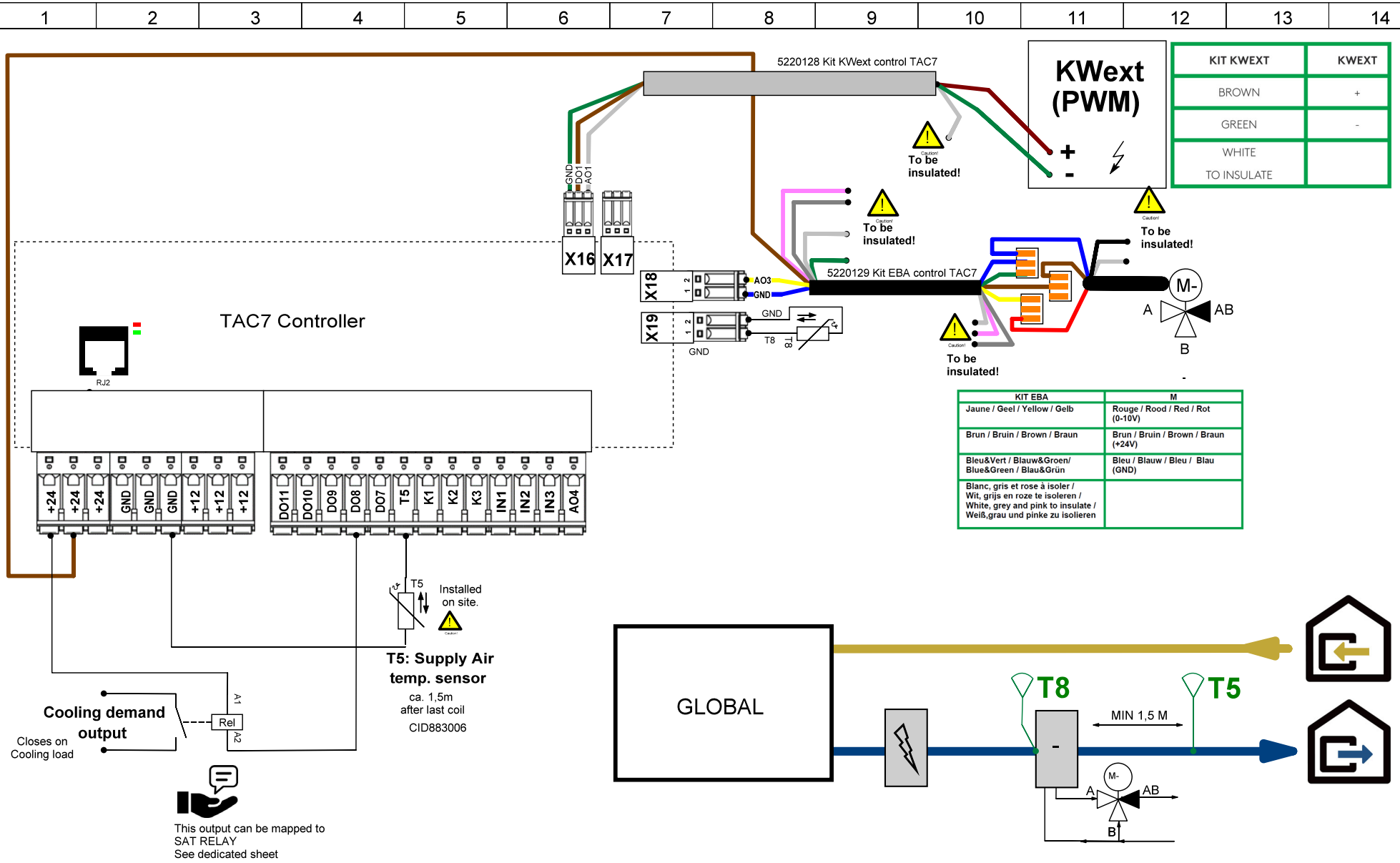
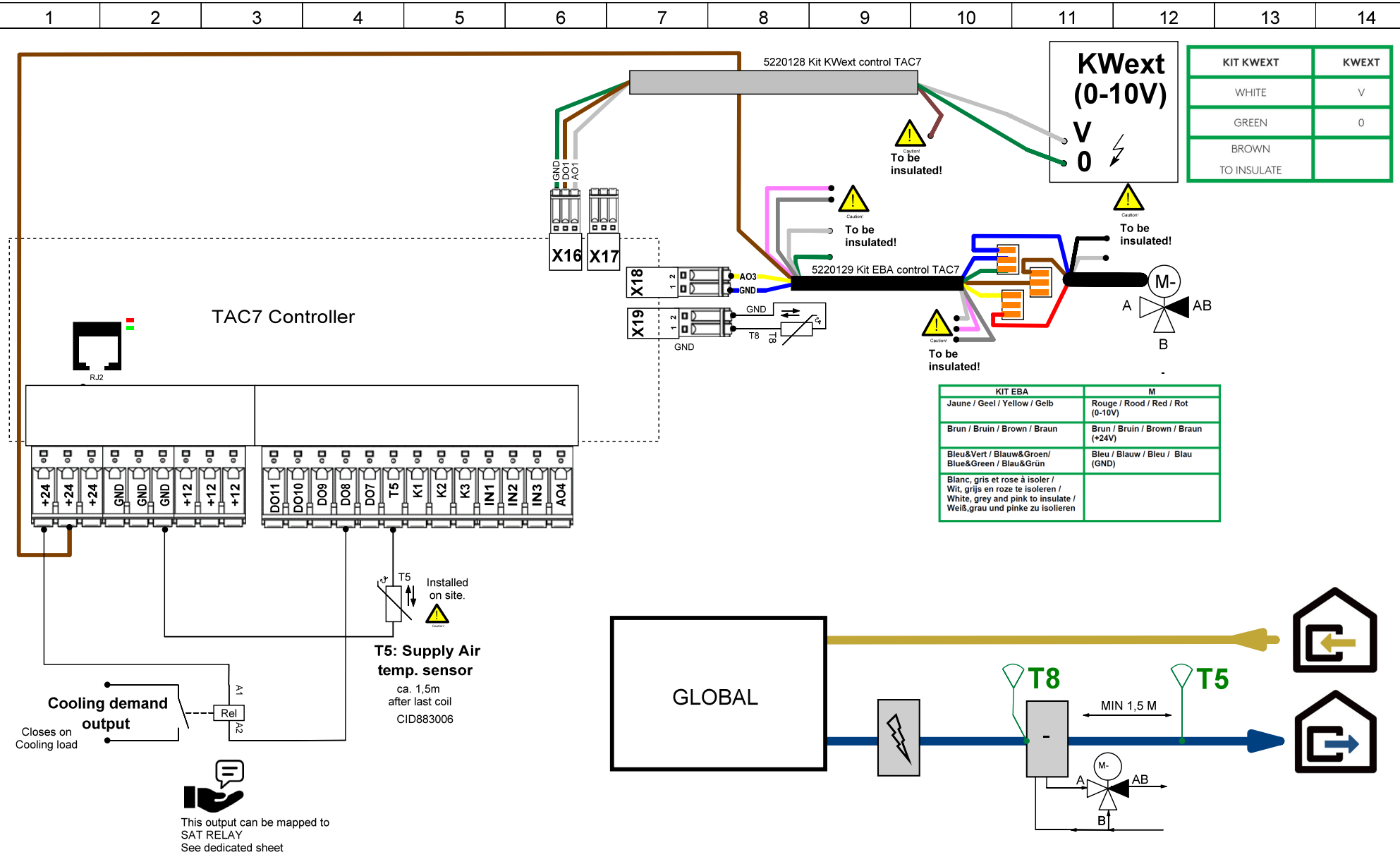



| Changes | | | Name | Date |
|---|---|---|---|---|
| Name | Date | Draw.: | ola | 04/10/2024 |
| | | check.: | | |
| | | Norm: | | |
| Subject: | GLOBAL_ESENSA_Wiring TAC7 (1).spl7 | | | |

Configuration of function:
Function Heat/Reheat/Internal Electric Rehater (KWout - PWM)
& Function Cool/Settings/External Waterborne Recooler (EBA-)

Application:
Ext.elect. heating & Ext. Cool

Page 45 of 63




| KIT KWEXT | KWEXT |
|---|---|
| WHITE | V |
| GREEN | 0 |
| BROWN TO INSULATE | |

| KIT EBA | M |
|---|---|
| Jaune / Geel / Yellow / Gelb | Rouge / Rood / Red / Rot (0-10V) |
| Brun / Bruin / Brown / Braun | Brun / Bruin / Brown / Braun (+24V) |
| Bleu&Vert / Blauw&Groen/ Blue&Green / Blau&Grün | Bleu / Blauw / Bleu / Blau (GND) |
| Blanc, gris et rose à isoler / Wit, grijs en roze te isoleren / White, grey and pink to insulate / Weiß,grau und pinke zu isolieren | |

| Changes | | | Name | Date |
|---|---|---|---|---|
| Name | Date | Draw.: | ola | 04/10/2024 |
| | | check.: | | |
| | | Norm: | | |
| Subject: | GLOBAL_ESENSA_Wiring TAC7 (1).spl7 | | | |

Configuration of function:
Function Heat/Reheat/Internal Electric Rehater (KWout - 0-10V)
& Function Cool/Settings/External Waterborne Recooler (EBA-)

Application:
Ext.elec. 0-10V & Ext. cool

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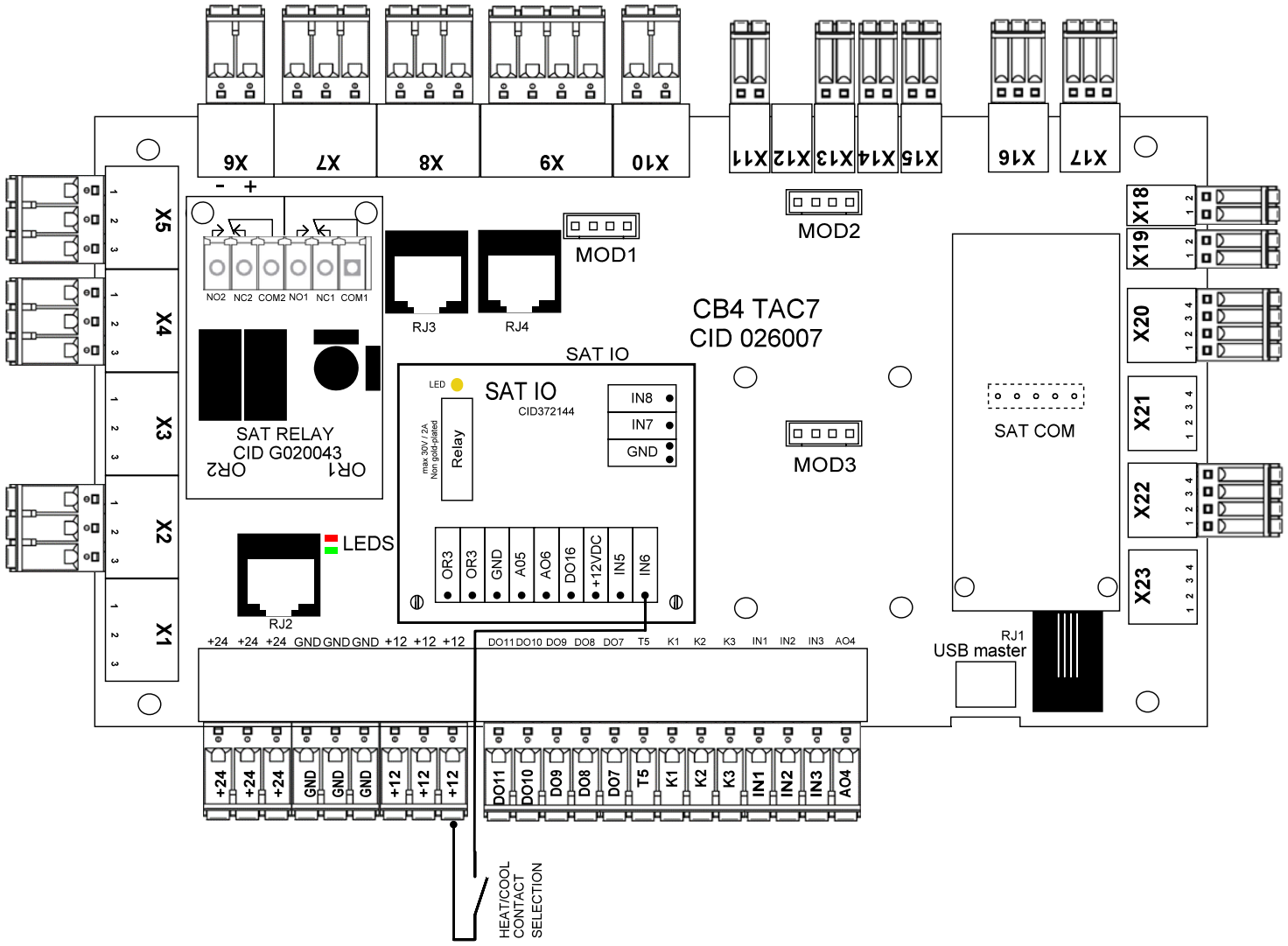


| Changes | | | Name | Date |
|---|---|---|---|---|
| Name | Date | Draw.: | ola | 04/10/2024 |
| | | check.: | | |
| | | Norm: | | |
| Subject: | GLOBAL_ESENSA_Wiring TAC7 (1).spl7 | | | |

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

Application:
HEAT/COOL CONTACT SELECTION

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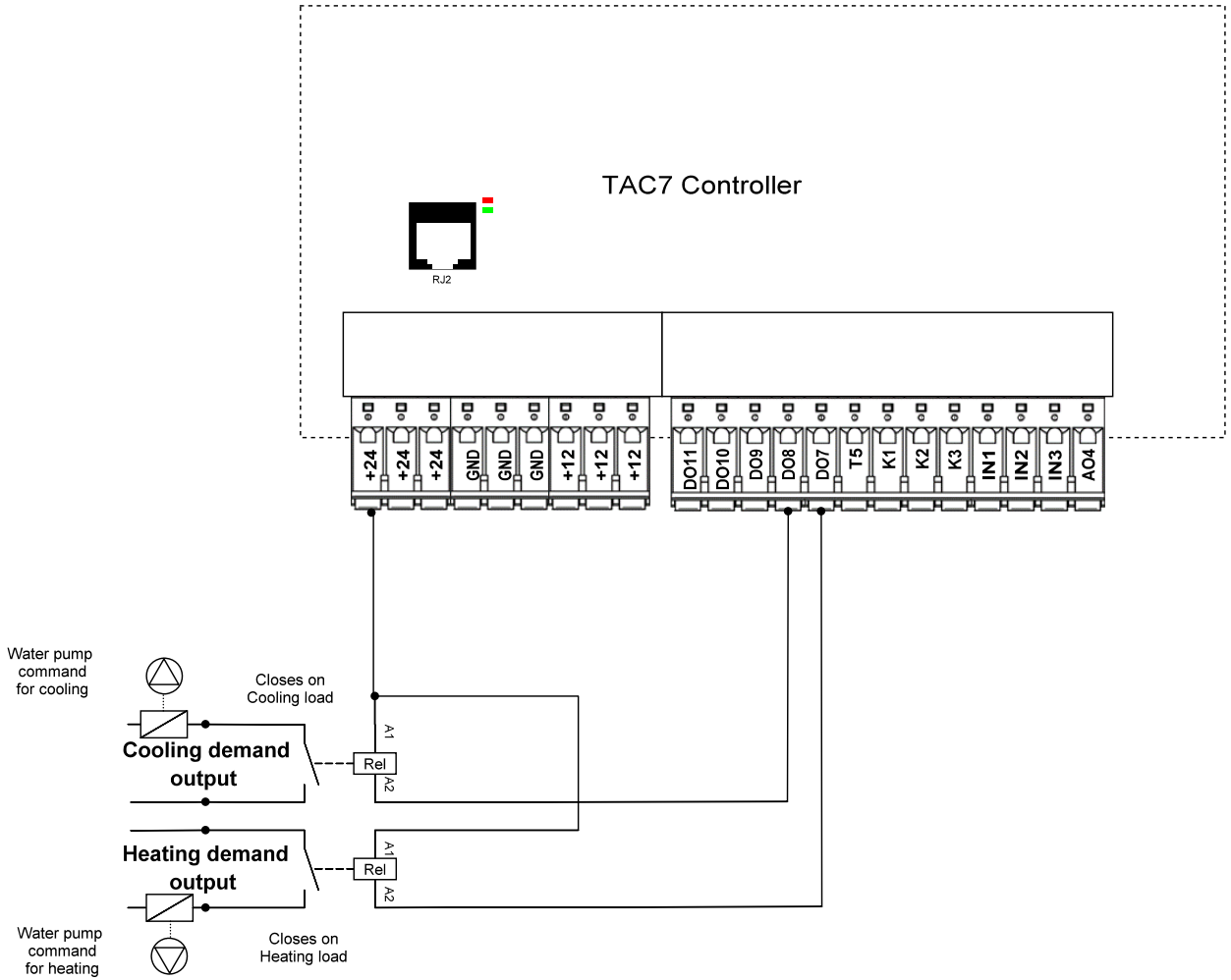


| Changes | | | Name | Date |
|---|---|---|---|---|
| Name | Date | Draw.: | ola | 04/10/2024 |
| | | check.: | | |
| | | Norm: | | |
| Subject: | GLOBAL_ESENSA_Wiring TAC7 (1).spl7 | | | |

Configuration of function:

Application:
Circulator pump (with hydraulic coils)

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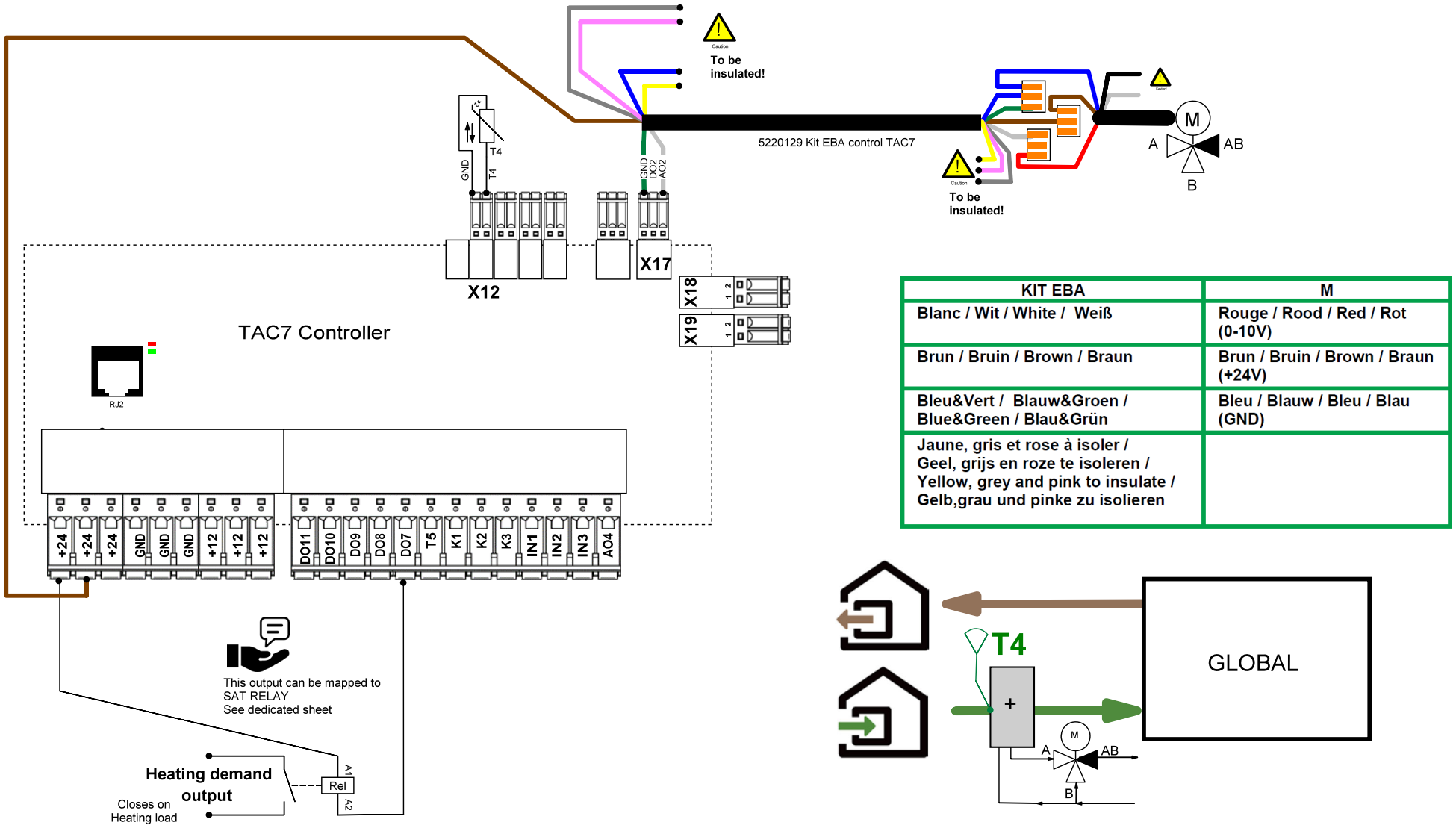


| KIT EBA | M |
|---|---|
| Blanc / Wit / White / Weiß | Rouge / Rood / Red / Rot (0-10V) |
| Brun / Bruin / Brown / Braun | Brun / Bruin / Brown / Braun (+24V) |
| Bleu&Vert / Blauw&Groen / Blue&Green / Blau&Grün | Bleu / Blauw / Bleu / Blau (GND) |
| Jaune, gris et rose à isoler / Geel, grijs en roze te isoleren / Yellow, grey and pink to insulate / Gelb,grau und pinke zu isolieren | |




| Changes | | | Name | Date |
|---|---|---|---|---|
| Name | Date | Draw.: | ola | 04/10/2024 |
| | | check.: | | |
| | | Norm: | | |
| Subject: | GLOBAL_ESENSA_Wiring TAC7 (1).spl7 | | | |

Configuration of function:
Function Heat/Preheat/
External Waterborne Prehater (EBAin)

Application:
External Hydraulic Preheater

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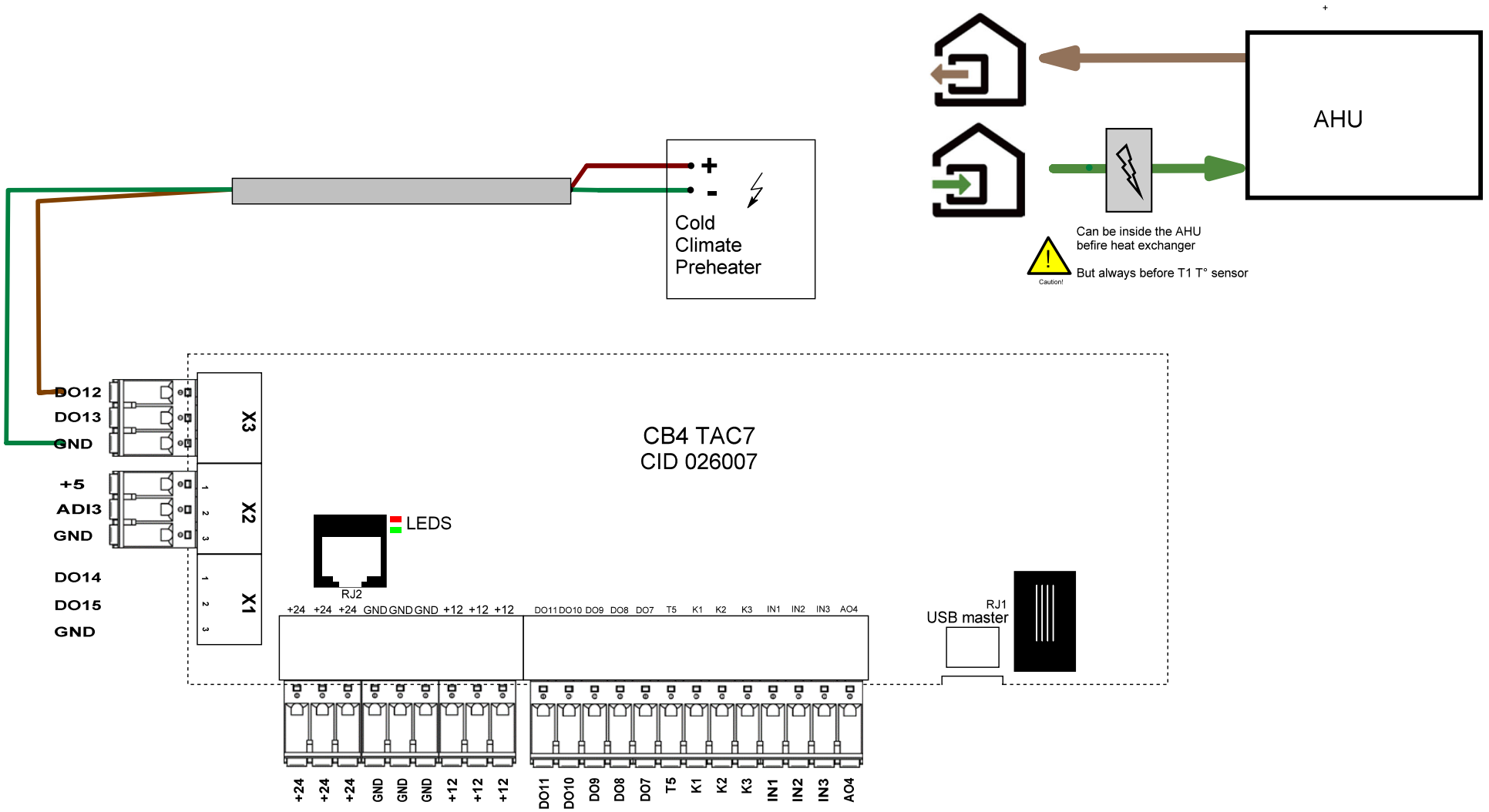


| Changes | | | Name | Date |
|---|---|---|---|---|
| Name | Date | Draw.: | msg | 17/10/2024 |
| | | check.: | | |
| | | Norm: | | |
| Subject: | GLOBAL_ESENSA_Wiring TAC7 (1).spl7 | | | |

Configuration of function:
Function Heat/Cold Climate Preheater

Application:
Cold Climate Preheater

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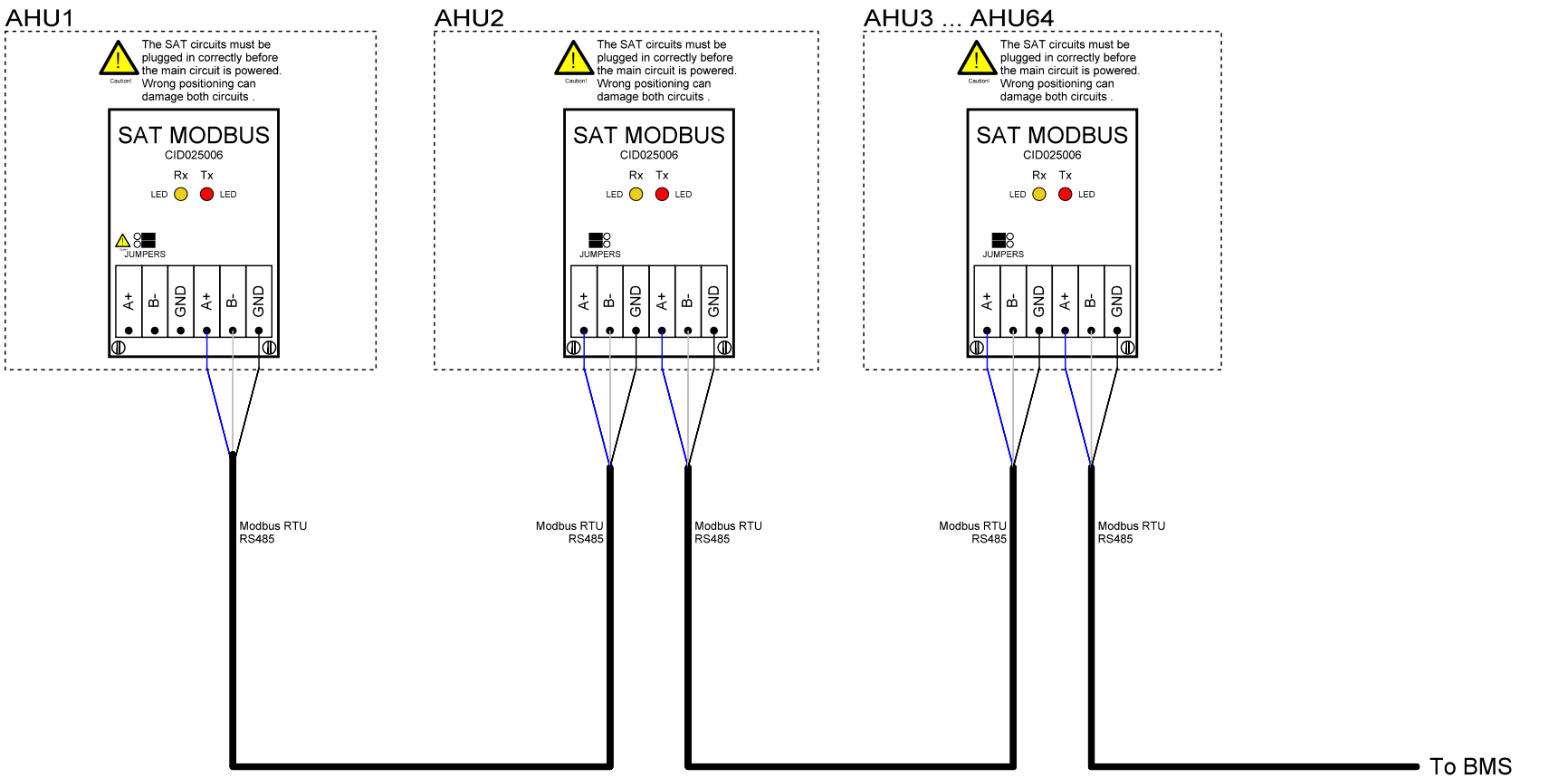
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|




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 mm² to 0,50mm². The total length must not exceed 1.000 meters.

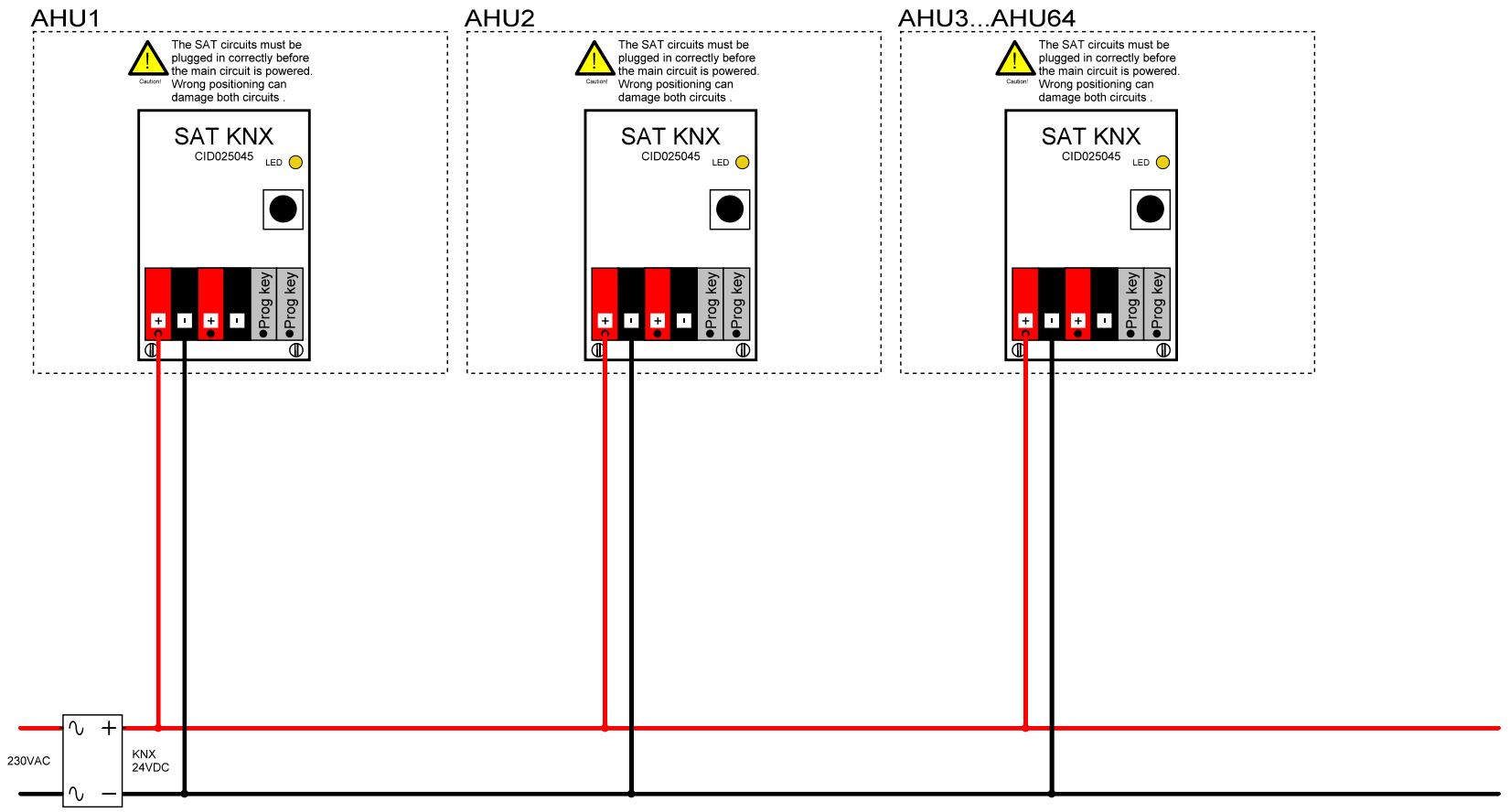
**Depending on Modbus Master device manufacturer, it may be necessary to invert A+ and B- wires on its connectors.**

| Changes | | | Name | Date |
|---|---|---|---|---|
| Name | Date | Draw.: | msg | 17/10/2024 |
| | | check.: | | |
| | | Norm: | | |
| Subject: | GLOBAL_ESENSA_Wiring TAC7 (1).spl7 | | | |

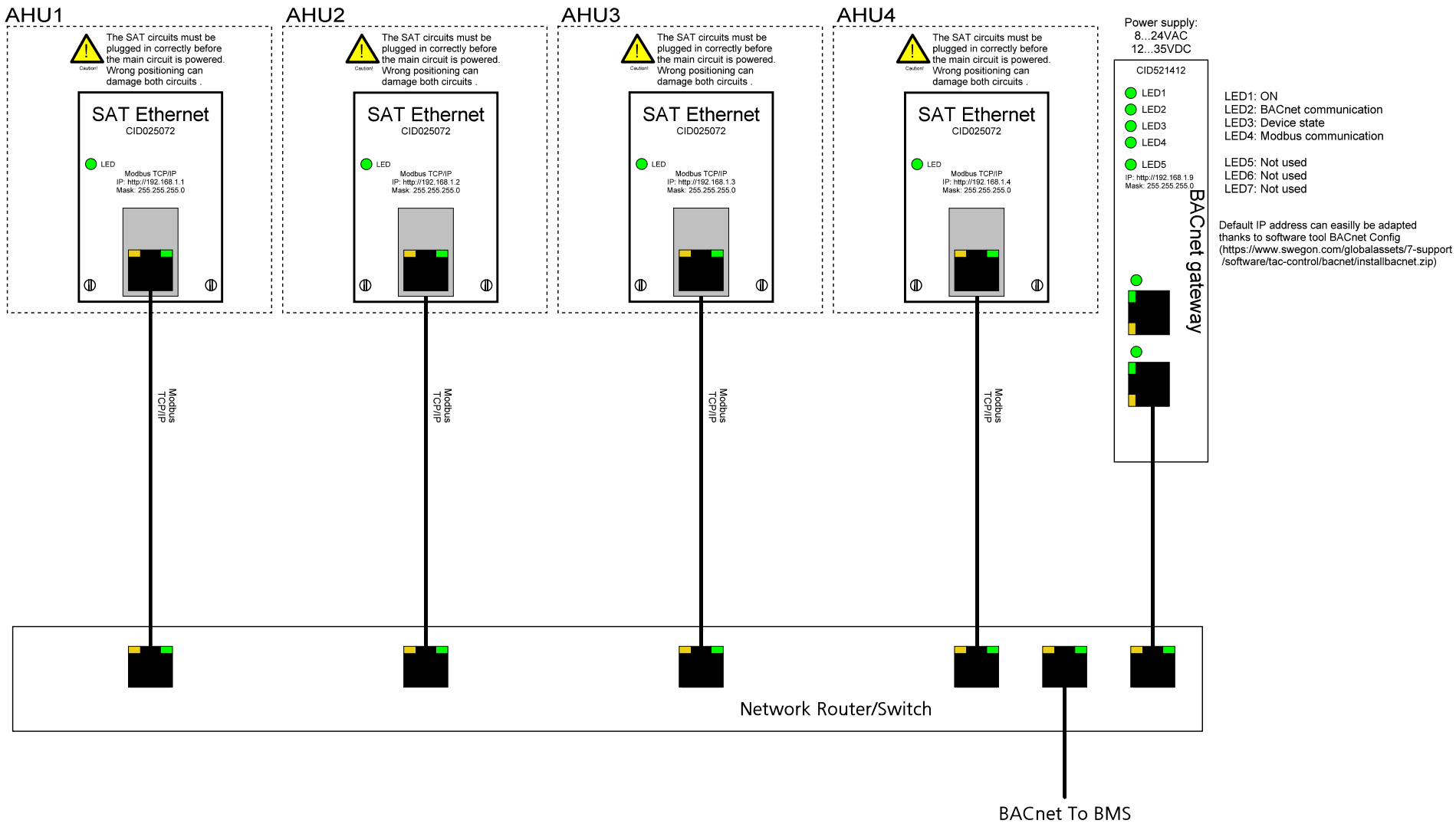
Configuration of function:
Function Communication/SAT MODBUS configuration

Application:
Modbus RTU

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|




| Changes | | | Name | Date | Configuration of function: | Page |
|---|---|---|---|---|---|---|
| Name | Date | Draw.: | msg | 17/10/2024 | | 52 |
| | | check.: | | | | |
| | | Norm: | | | Application: KNX | of 63 |
| Subject: | GLOBAL_ESENSA_Wiring TAC7 (1).spl7 | | | | | |




| Changes | | | Name | Date |
|---|---|---|---|---|
| Name | Date | Draw.: | msg | 17/10/2024 |
| | | check.: | | |
| | | Norm: | | |
| Subject: | GLOBAL_ESENSA_Wiring TAC7 (1).spl7 | | | |

Configuration of function:
Function Communication/SAT LAN configuration

Application:
BACnet

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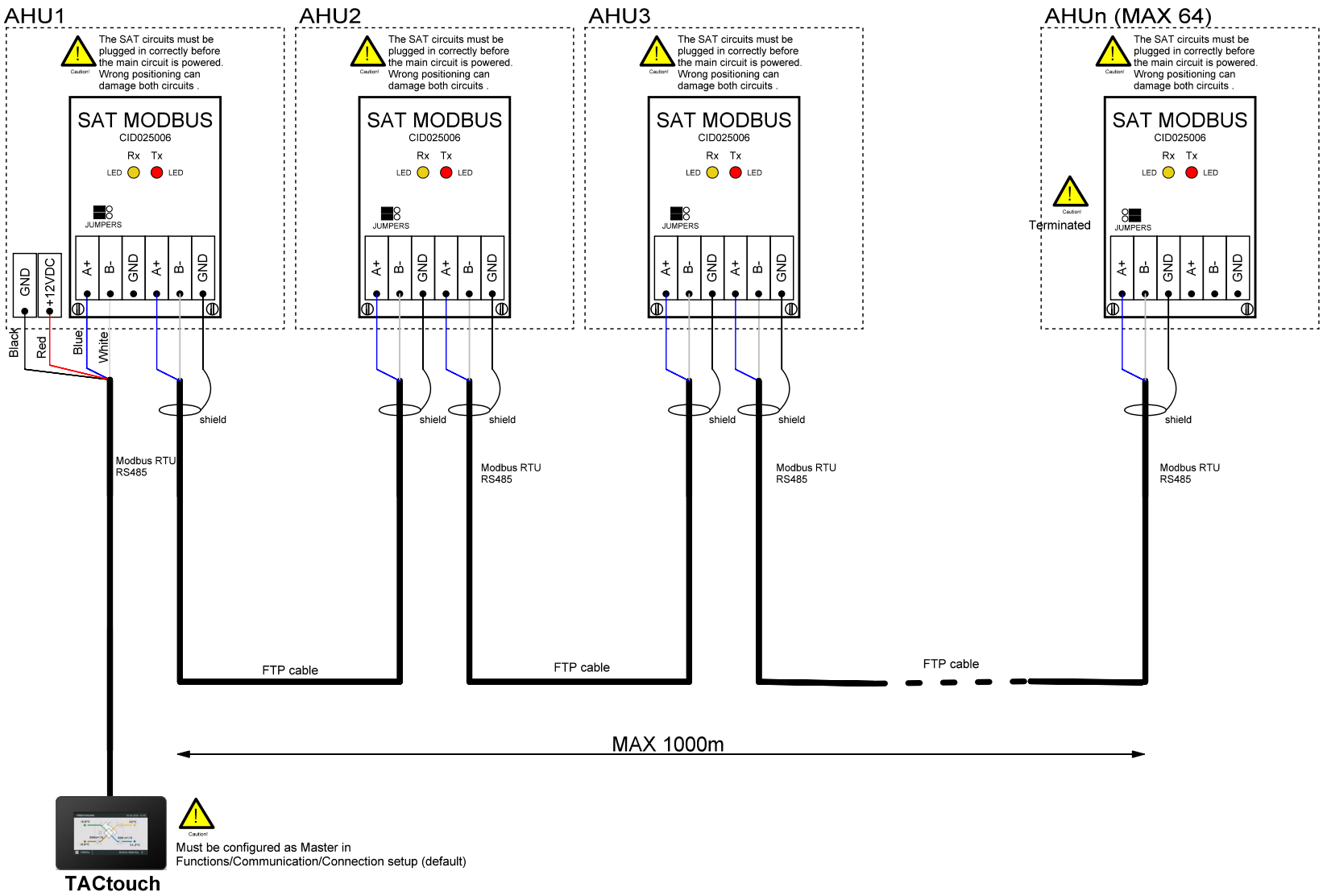


| Changes | | | Name | Date |
|---|---|---|---|---|
| Name | Date | Draw.: | msg | 17/10/2024 |
| | | check.: | | |
| | | Norm: | | |
| Subject: | GLOBAL_ESENSA_Wiring TAC7 (1).spl7 | | | |

Configuration of function:
Function Communication/Connection Setup
Function Network

Application:
TACtouch centralised

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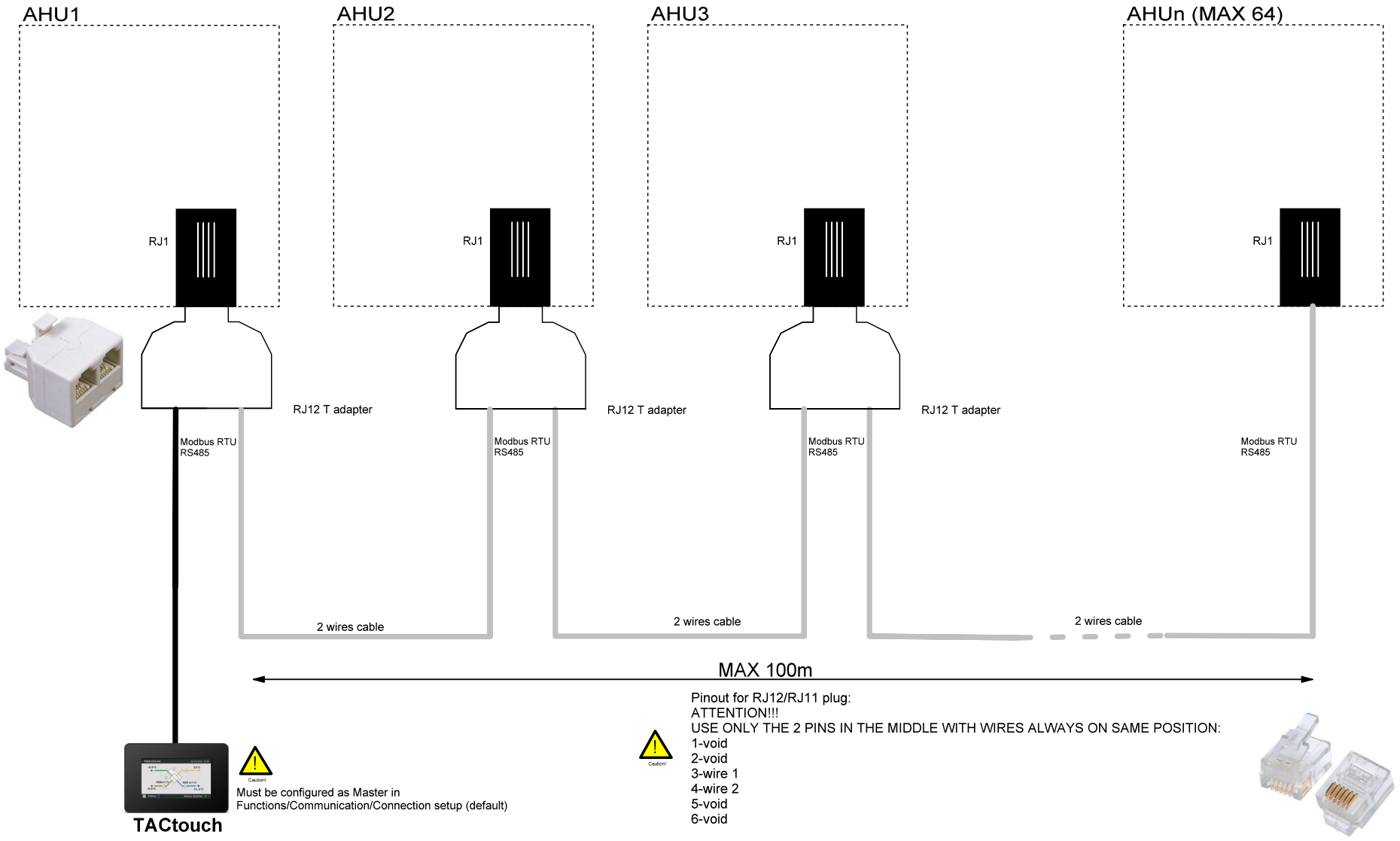


| Changes | | | Name | Date |
|---|---|---|---|---|
| Name | Date | Draw.: | msg | 17/10/2024 |
| | | check.: | | |
| | | Norm: | | |
| Subject: | GLOBAL_ESENSA_Wiring TAC7 (1).spl7 | | | |

Configuration of function:
Function Communication/Connection Setup
Function Network

Application:
TACtouch centralised short

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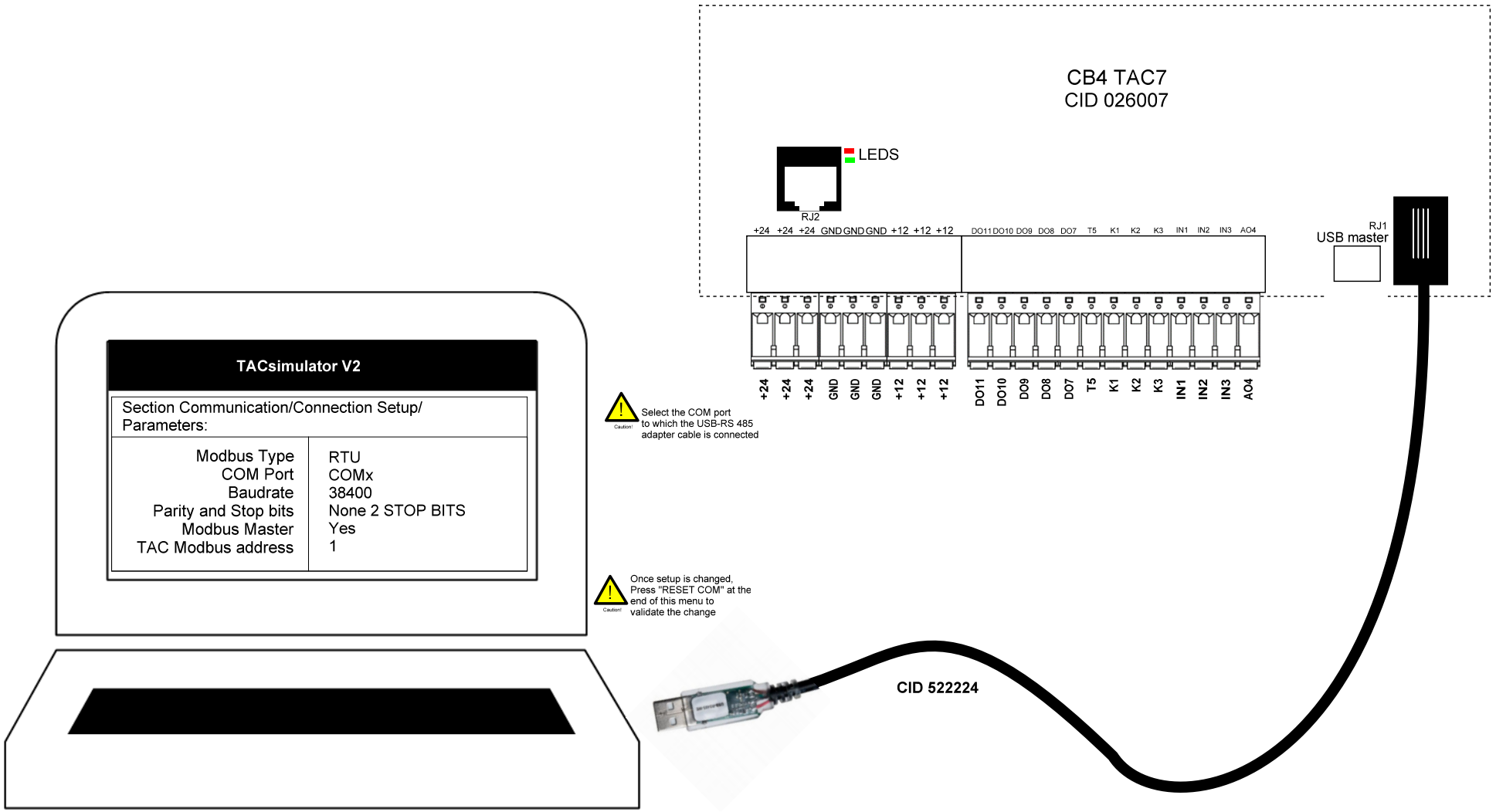
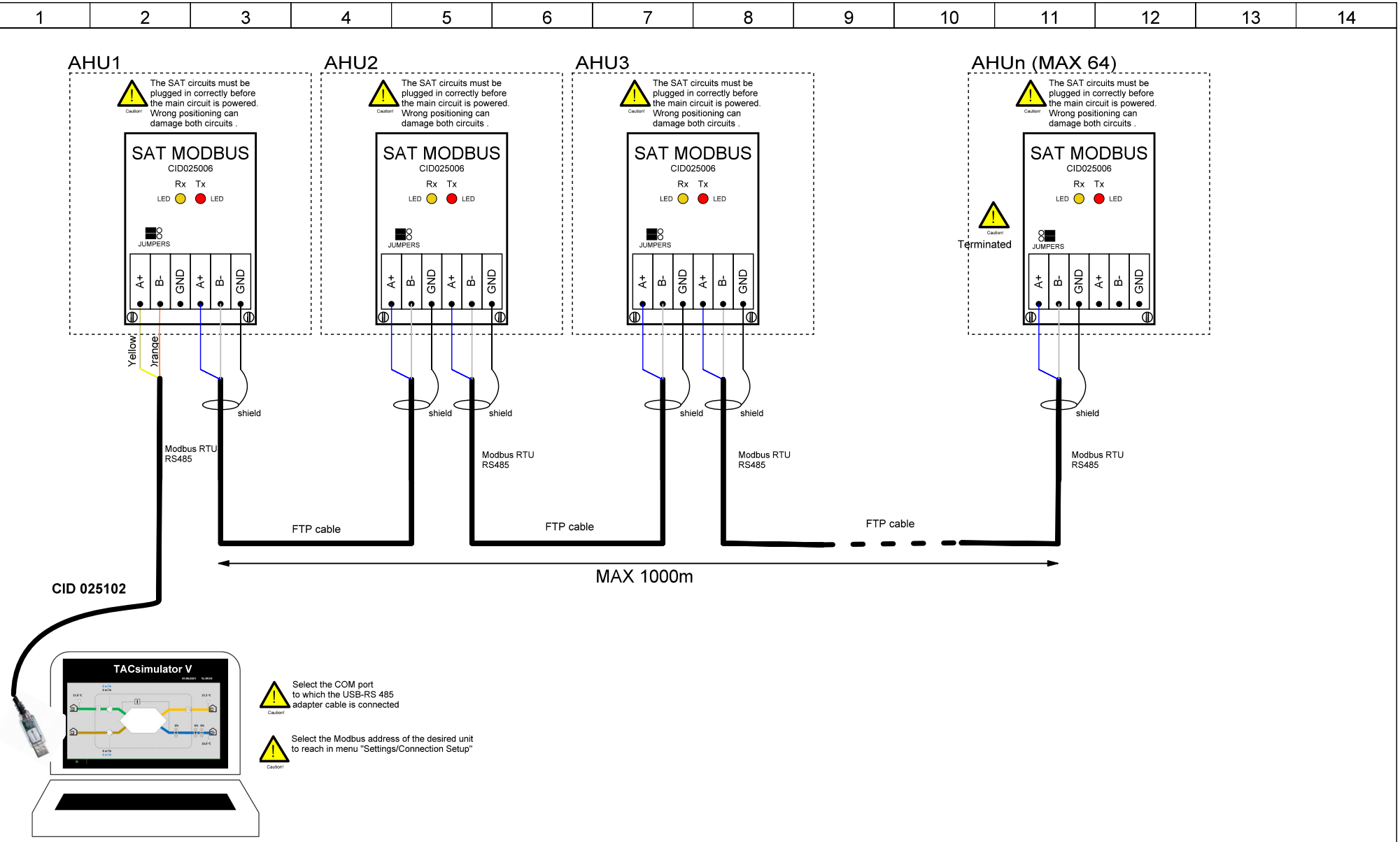



| Changes | | | Name | Date | | Page |
|---|---|---|---|---|---|---|
| Name | Date | Draw.: | ola | 04/10/2024 | | 56 |
| | | check.: | | | | |
| | | Norm: | | | Application: Software HMI | of 63 |
| Subject: | GLOBAL_ESENSA_Wiring TAC7 (1).spl7 | | | | | |




| Changes | | | Name | Date |
|---|---|---|---|---|
| Name | Date | Draw.: | msg | 17/10/2024 |
| | | check.: | | |
| | | Norm: | | |
| Subject: | GLOBAL_ESENSA_Wiring TAC7 (1).spl7 | | | |

Configuration of function:

Application:
Soft HMI centralised

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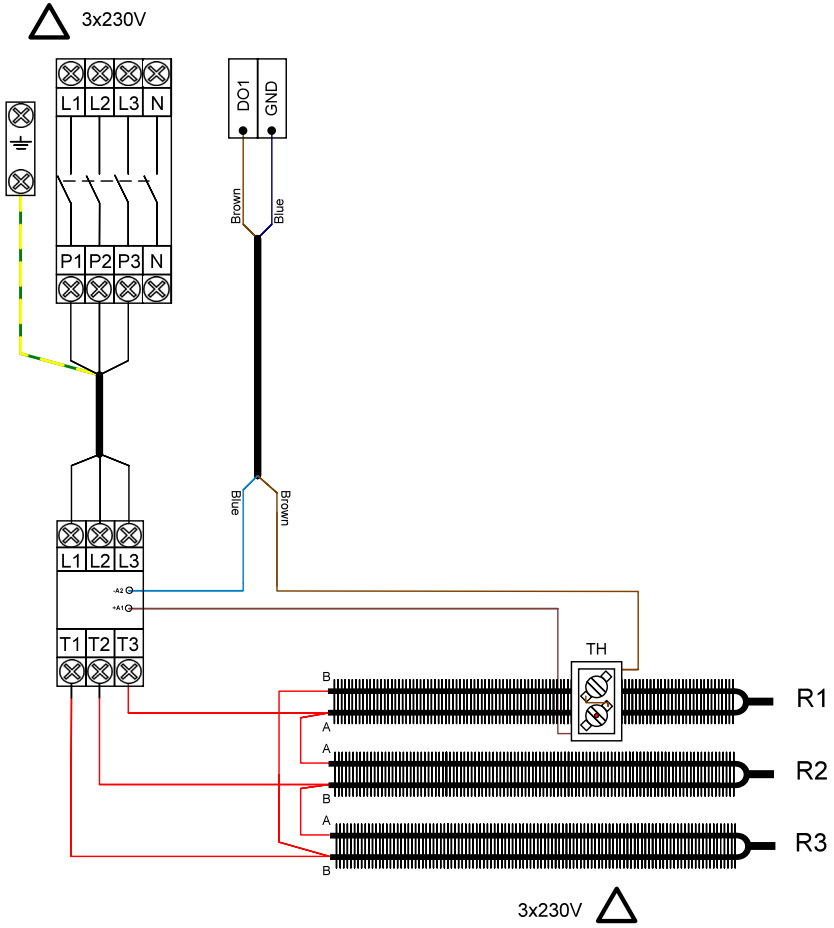


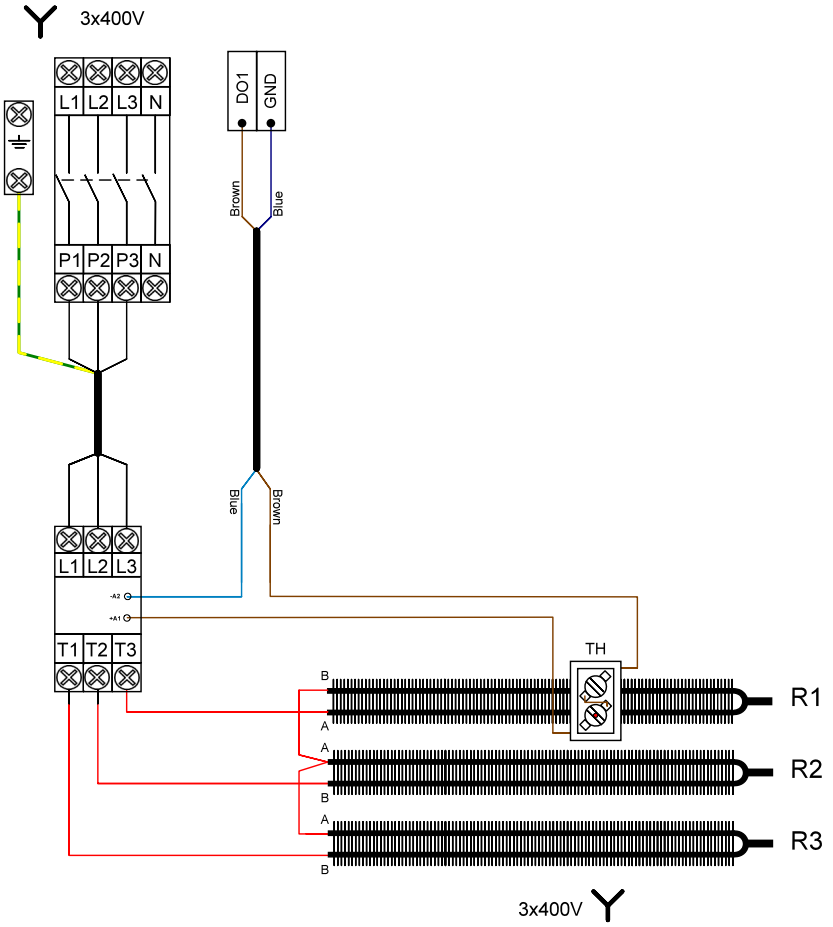


Attention: only possible to change 3x230V into 3x400V. Due to cable sections and selected components, changing from 3x400V to 3x230V is not allowed on site.

| Changes | | | Name | Date |
|---|---|---|---|---|
| Name | Date | Draw.: | msg | 16/03/2021 |
| | | check.: | | |
| | | Norm: | | |
| Subject: | GLOBAL_ESENSA_Wiring TAC7 (1).spl7 | | | |

Configuration of function:
N.A.

Application:
KWout 3x230V - 3x400V

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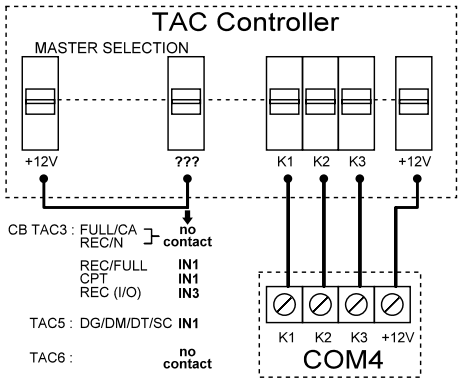
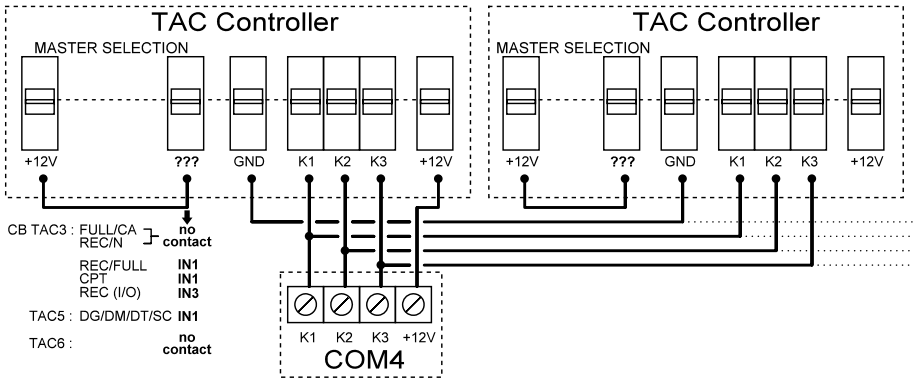
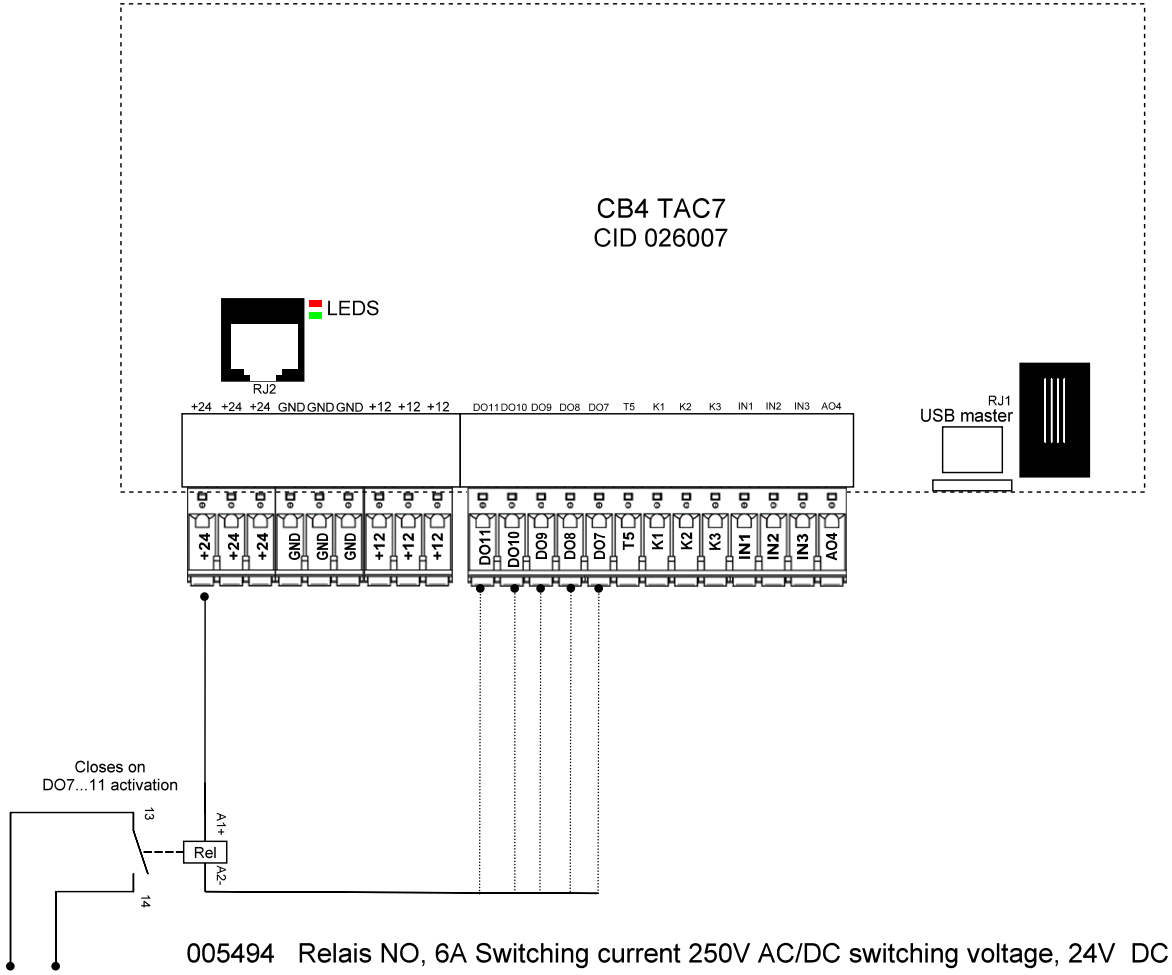

TAC Controller
MASTER SELECTION
+12V
???
K1
K2
K3
+12V
CB TAC3 : FULL/CA
REC/N
no contact
REC/FULL
CPT
REC (I/O)
IN1
IN1
IN3
TAC5 : DG/DM/DT/SC IN1
TAC6 :
no contact
K1 K2 K3 +12V
COM4

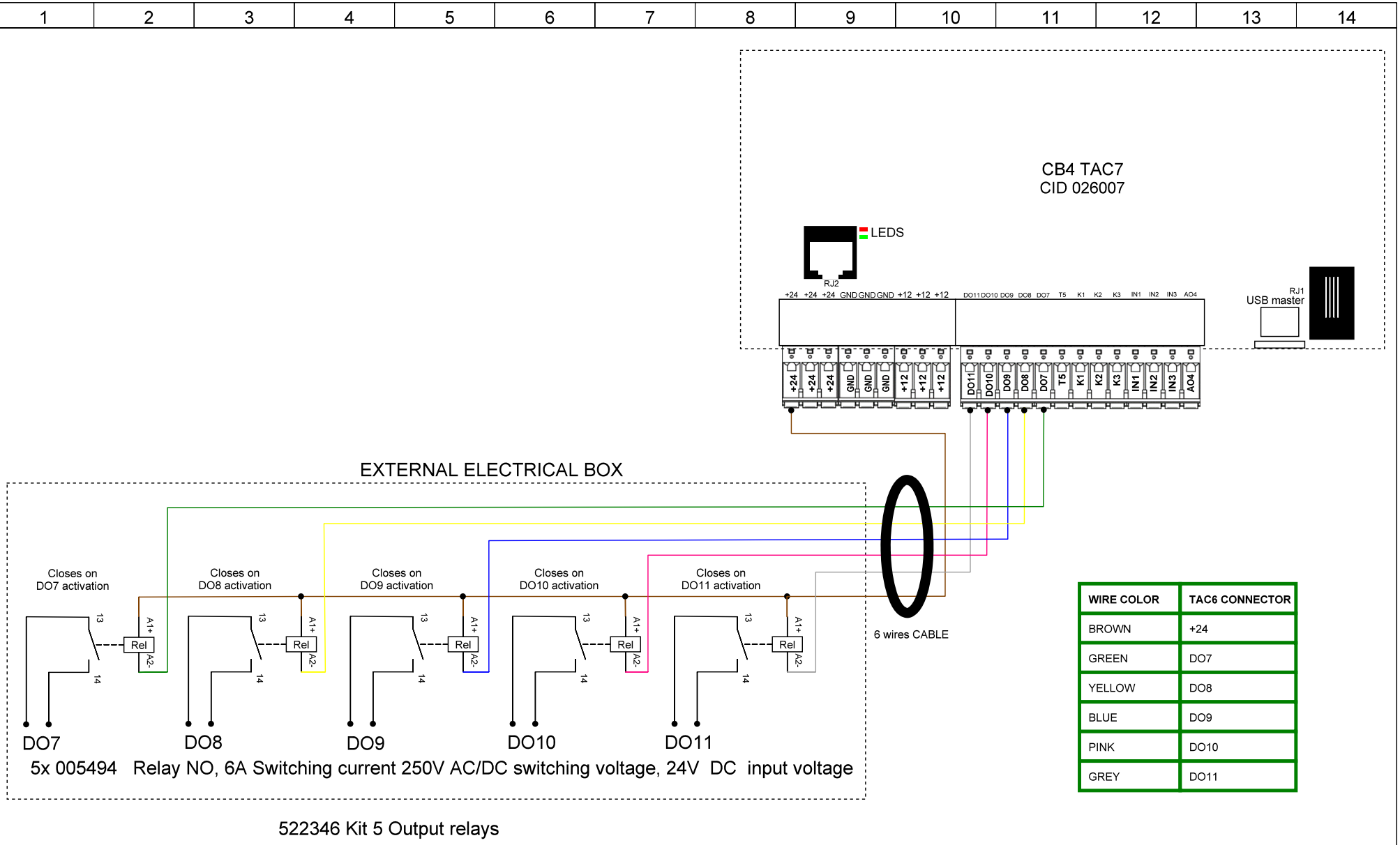

TAC Controller
MASTER SELECTION
+12V
???
GND
K1
K2
K3
+12V
CB TAC3 : FULL/CA
REC/N
no contact
REC/FULL
CPT
REC (I/O)
IN1
IN1
IN3
TAC5 : DG/DM/DT/SC IN1
TAC6 :
no contact
K1 K2 K3 +12V
COM4
TAC Controller
MASTER SELECTION
+12V
???
GND
K1
K2
K3
+12V

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|




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.: | ola | 04/10/2024 | | 60 |
| | | check.: | | | | |
| | | Norm: | | | Application: | of |
| Subject: | GLOBAL_ESENSA_Wiring TAC7 (1).spl7 | | | | Output Relay 1x | 63 |




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

522346 Kit 5 Output relays

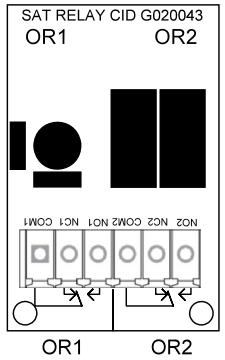
| Changes | | | Name | Date | Configuration of function: | Page |
|---|---|---|---|---|---|---|
| Name | Date | Draw.: | ola | 04/10/2024 | | 61 |
| | | check.: | | | | |
| | | Norm: | | | Application: | of |
| Subject: | GLOBAL_ESENSA_Wiring TAC7 (1).spl7 | | | | Output Relays 5x | 63 |

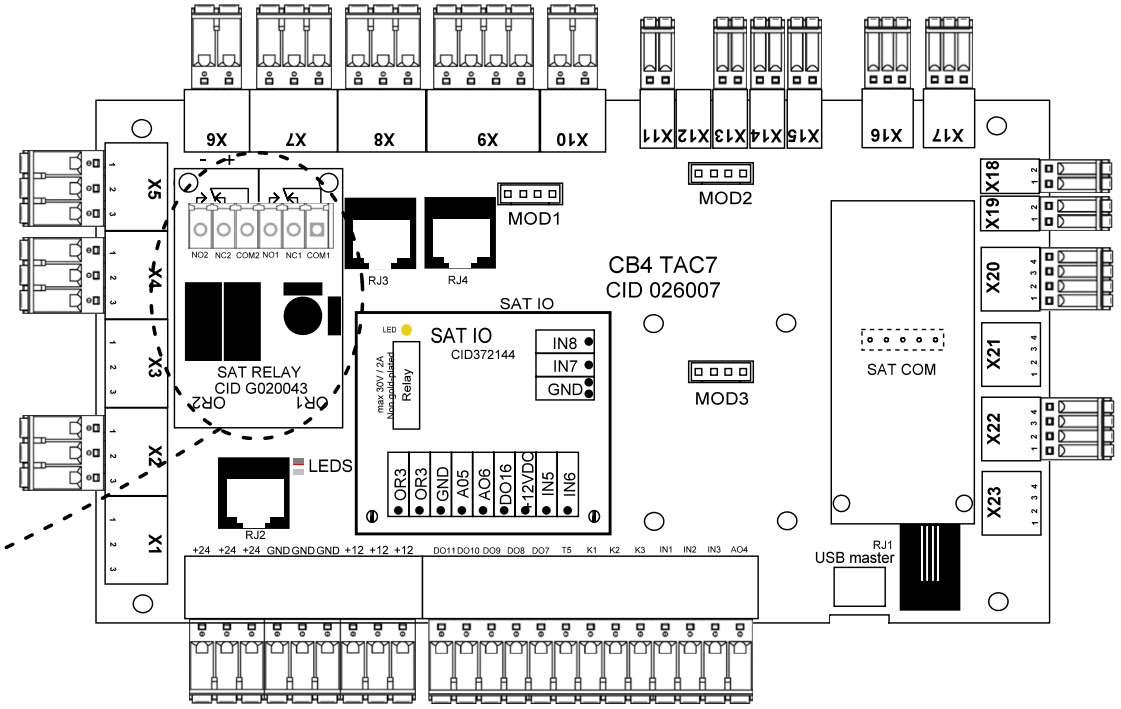
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|

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

**SAT RELAY plugged on TAC7 controller dedicated connector**




| Changes | | | Name | Date |
|---|---|---|---|---|
| Name | Date | Draw.: | msg | 17/10/2024 |
| | | check.: | | |
| | | Norm: | | |
| Subject: | GLOBAL_ESENSA_Wiring TAC7 (1).spl7 | | | |

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

Application:
SAT RELAY

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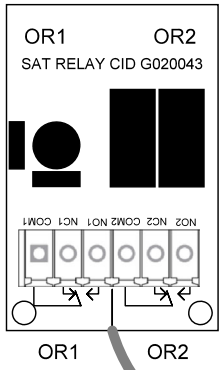
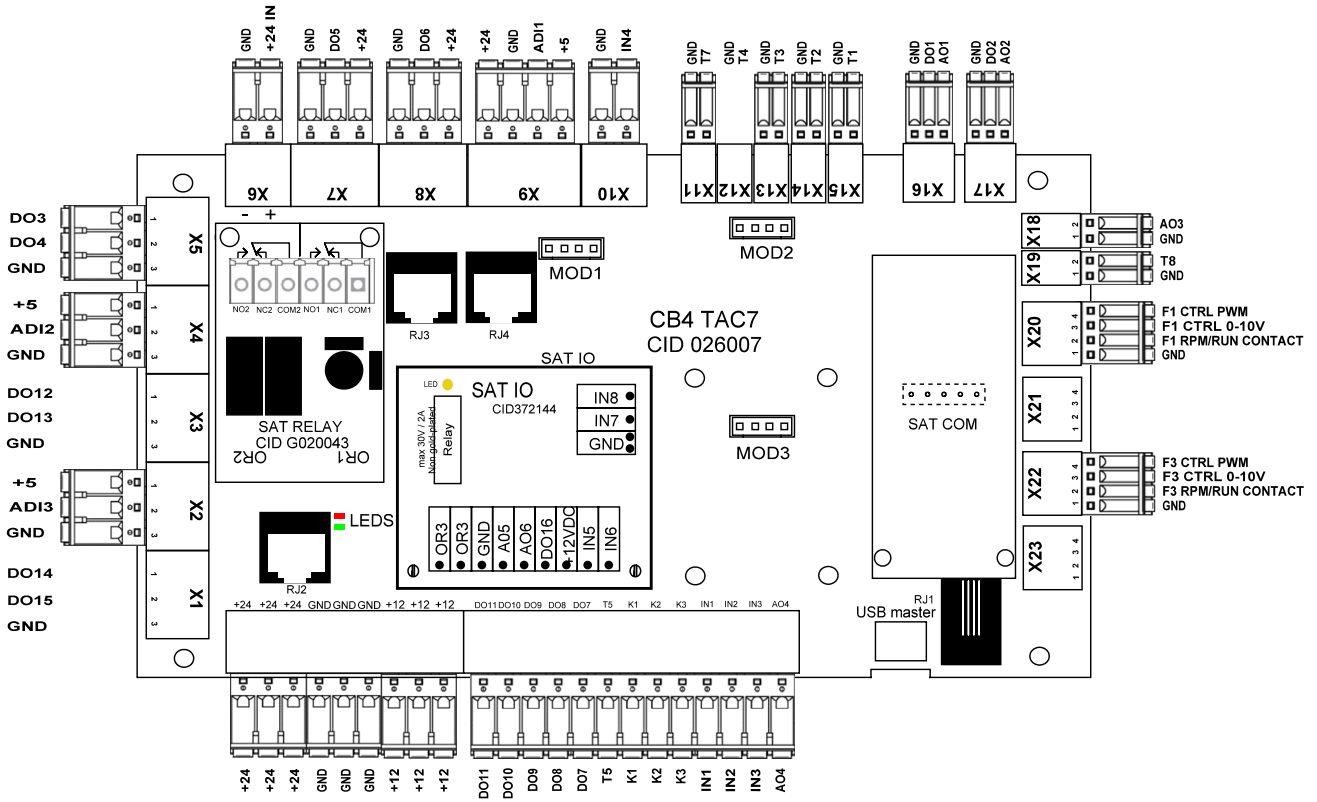
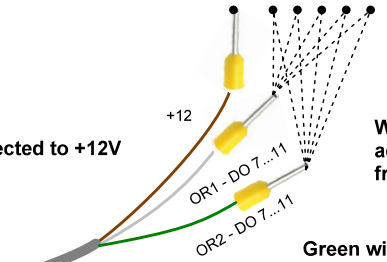
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|

**522697 KIT SAT RELAY:**
**SAT RELAY with preconnected cable mounted on its own support, in turn fixed with 2 autodrilling screws on main plate support near to the control board**




**Brown wires connected to +12V**

**White wire be connected to DO7...DO11 accordind to the desired output to have on free voltage contact on OR1**

**Green wire be connected to DO7...DO11 accordind to the desired output to have on free voltage contact on OR2**

**To insulate if not used**

| Changes | | | Name | Date |
|---|---|---|---|---|
| Name | Date | Draw.: | msg | 17/10/2024 |
| | | check.: | | |
| | | Norm: | | |
| Subject: | GLOBAL_ESENSA_Wiring TAC7 (1).spl7 | | | |

Configuration of function:
used for GLOBAL LP or when SAT RELAY already plugged on board
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

Application:
KIT SAT RELAY

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of 63