

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 class B or B+



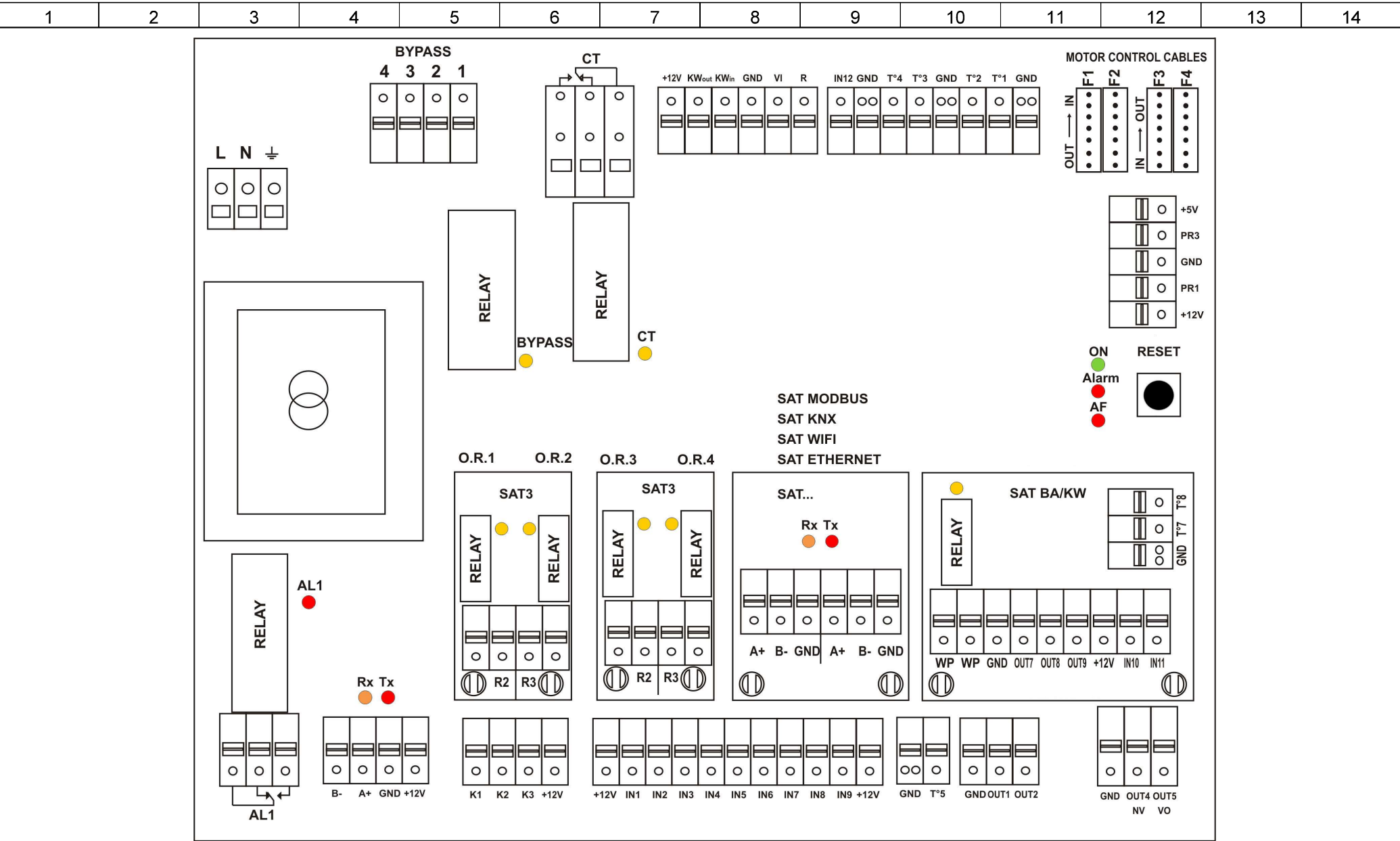
Fuse protection (D-type, "slow")
D – 10.000 A – AC3

Changes

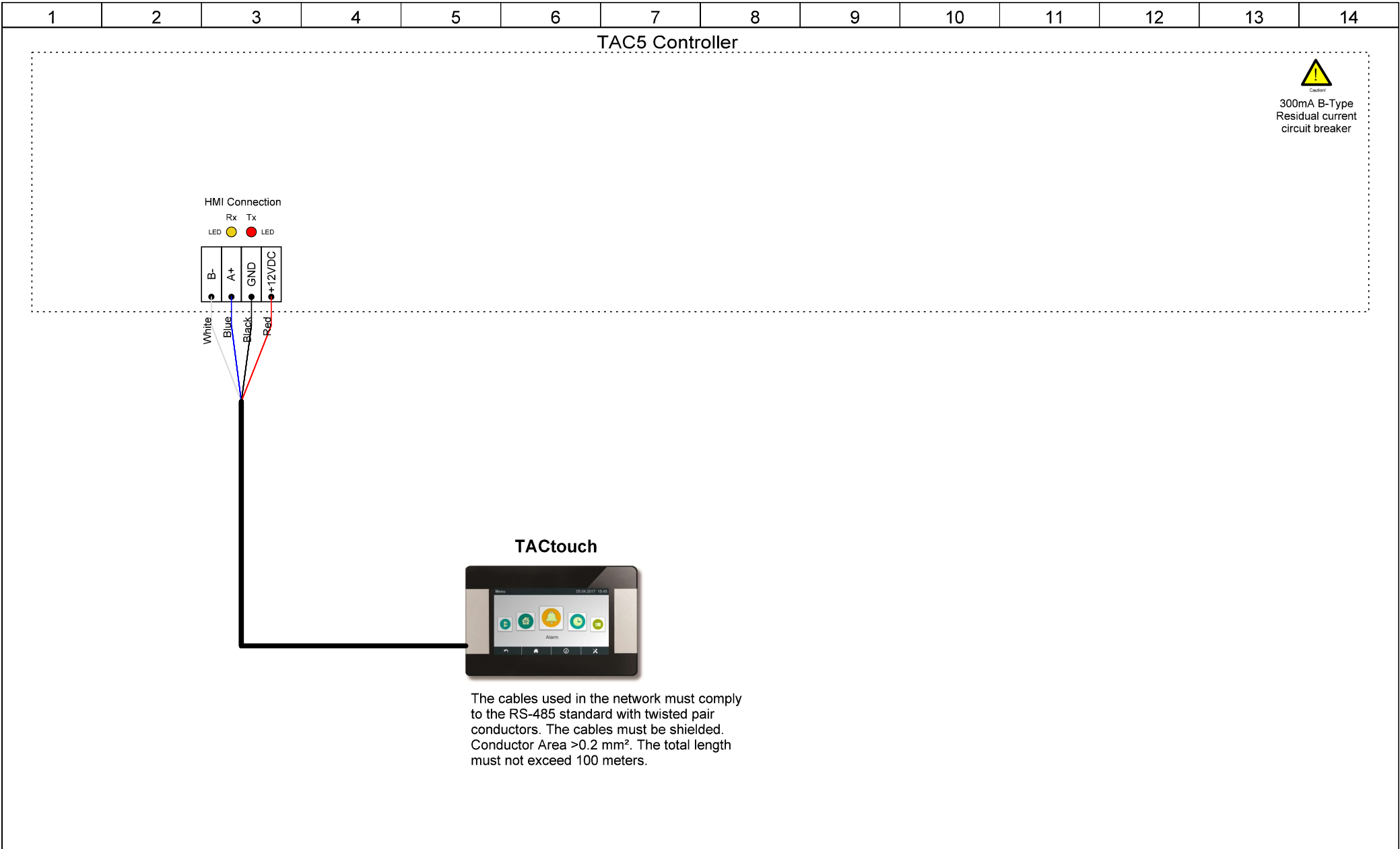
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		check.:	Beckers	20.05.2019		1
		Norm:				
Subject:	GLOBAL_Wiring TAC5.spl7					of 28

TAC5 DG: GLOBAL PX & LP ^{FW}	
CT = output to CT actuator(s) (option - prewired)	IN1 = Master selection
BYPASS = output to bypass actuator (prewired)	IN2 = dPa (pressostat digital input)
AL1 = ALARM OUTPUT (230V/5A)	IN3 = Fire alarm input
B- /A+ /GND /+12V = connection to HMI	IN4 = Bypass open /Stop heat recovery
K1 : Airflow MODE = m³/h K1	IN5 = Real time clock auto/manu
Demand/Pressure control = START/STOP	IN6 = ON/OFF post heating (IBA/KWout)
Torque MODE = %torque K1	IN7 = ON/OFF SUPPLY if fire alarm
K2 : Airflow control = m³/h K2	IN8 = ON/OFF EXHAUST if fire alarm
Demand/Pressure control = 0-10V INPUT	IN9 = BOOST Airflow
Torque control = %torque K2	IN12 = PWM input bypass position
K3 : Airflow control = m³/h K3	OUT1 = 0-10V OUTPUT (airflow/pressure)
Demand/Pressure control = % ON K3 or 0-10 V INPUT	OUT2 = 0-10V OUTPUT (airflow/pressure)
Torque control = %torque K3	OUT4 = 0-10V OUTPUT internal post heating (IBA)
T1 = from outdoors T° sensor (prewired)	OUT5 = 24VDC/1A
T2 = from indoors T° sensor (prewired)	O.R.1 (output relay 1 - SAT3) = PRESSURE ALARM
T3 = to outdoors T° sensor (prewired)	O.R.2 (output relay 2 - SAT3) = FAN ON
T4 = IBA anti freeze protection T° sensor (option - prewired)	O.R.3 (output relay 3 - SAT3) = HEATING DEMAND OUTPUT
T5 = supply T° sensor for IBA/KWout coil (option - prewired)	O.R.4 (output relay 4 -SAT3) = BYPASS STATUS
PR1 = ΔPa from supply inlet fan (only on PX - option)	KWin = output for KWin capacity control (option - prewired)
PR3 = ΔPa from exhaust inlet fan (only on PX - option)	KWout = output for KWout capacity control (option - prewired)

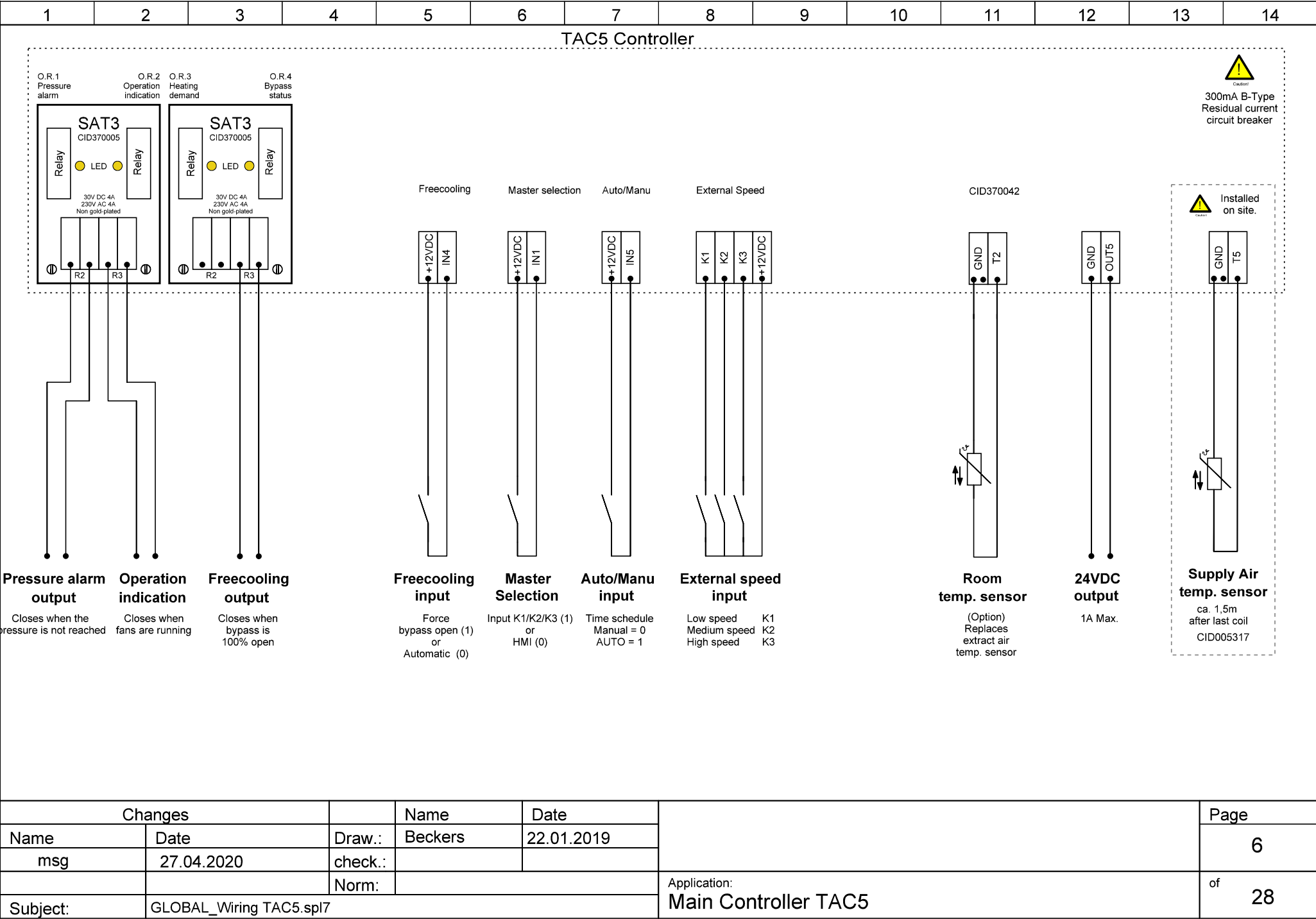
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Subject:	GLOBAL_Wiring TAC5.spl7					28

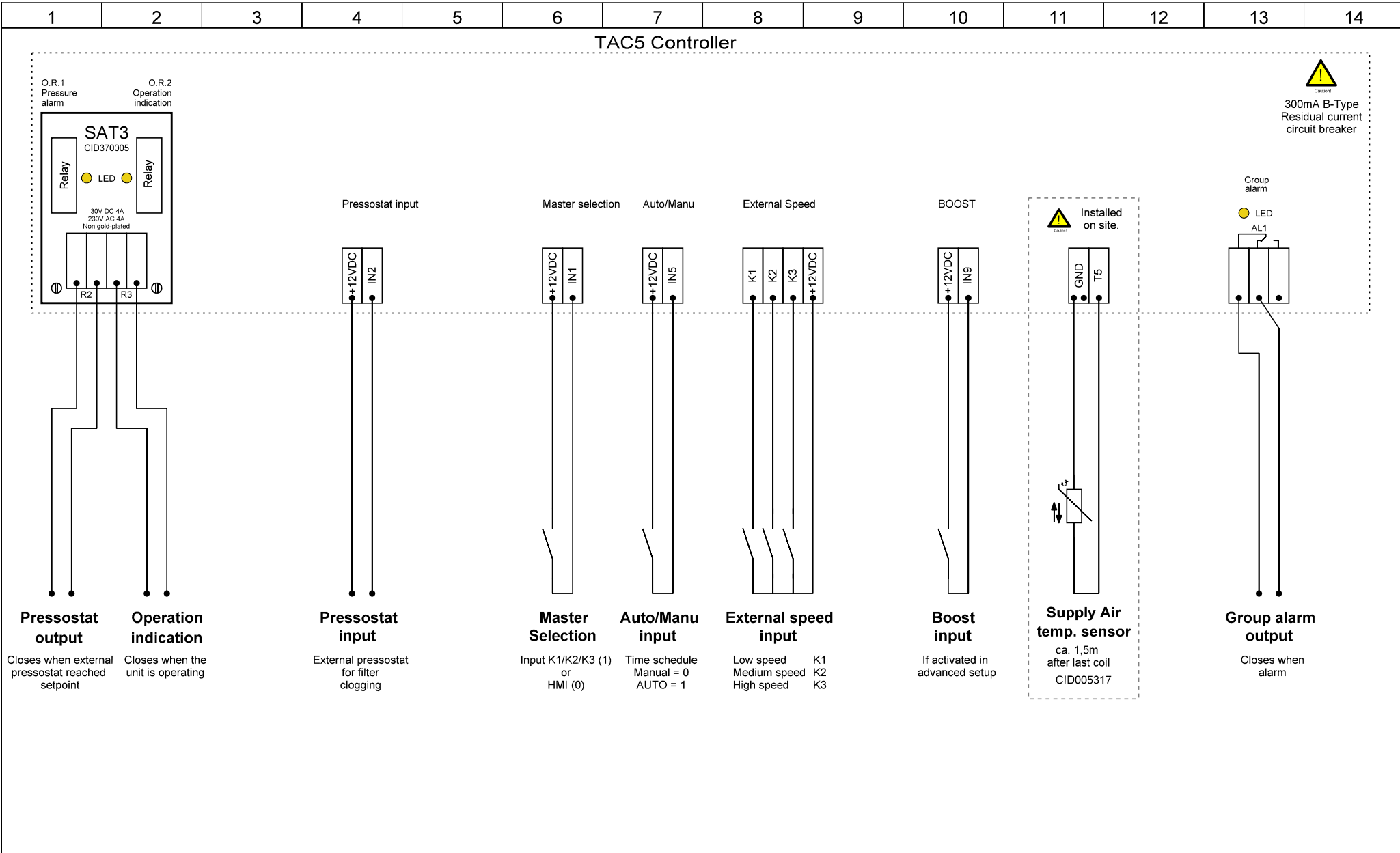


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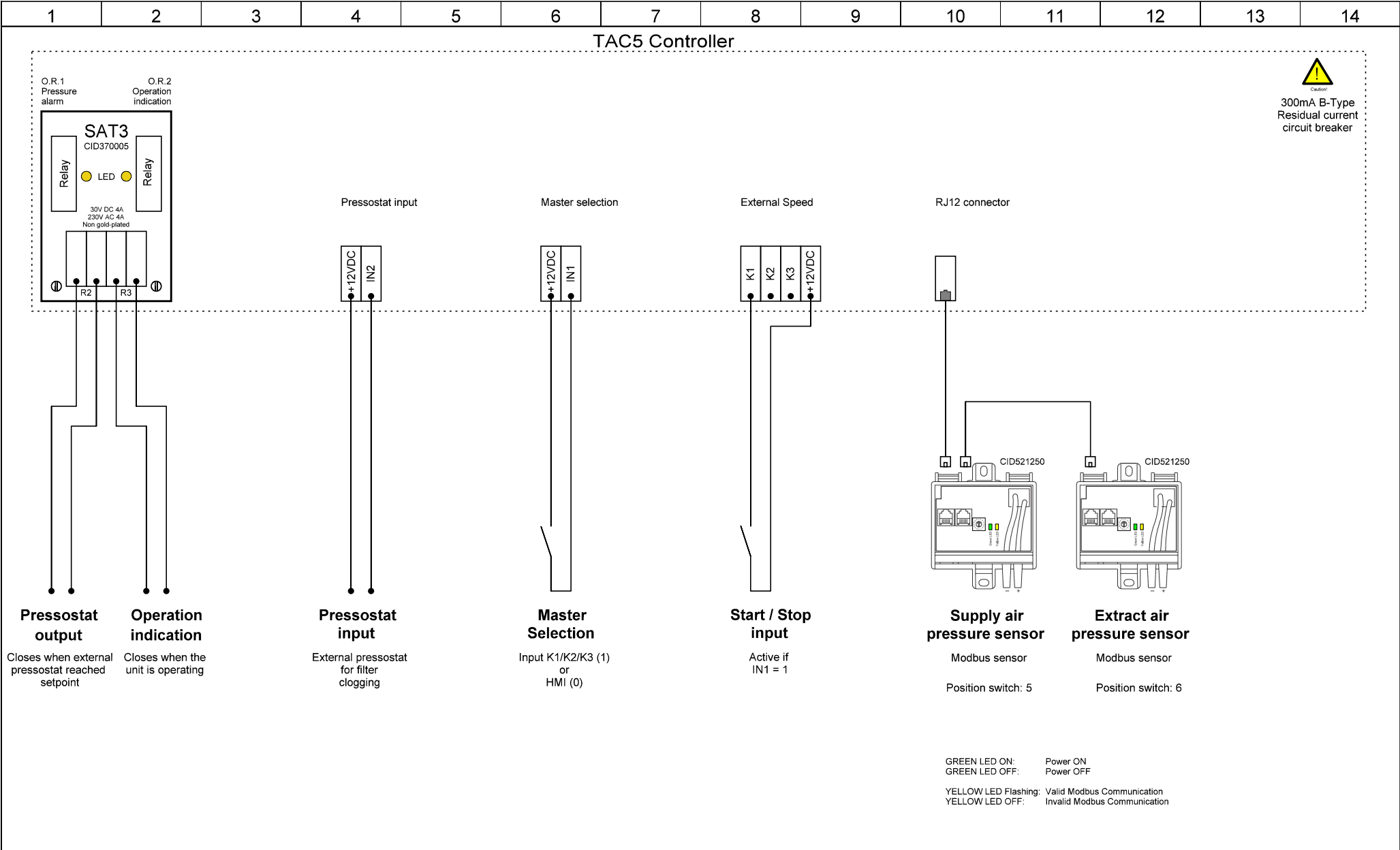


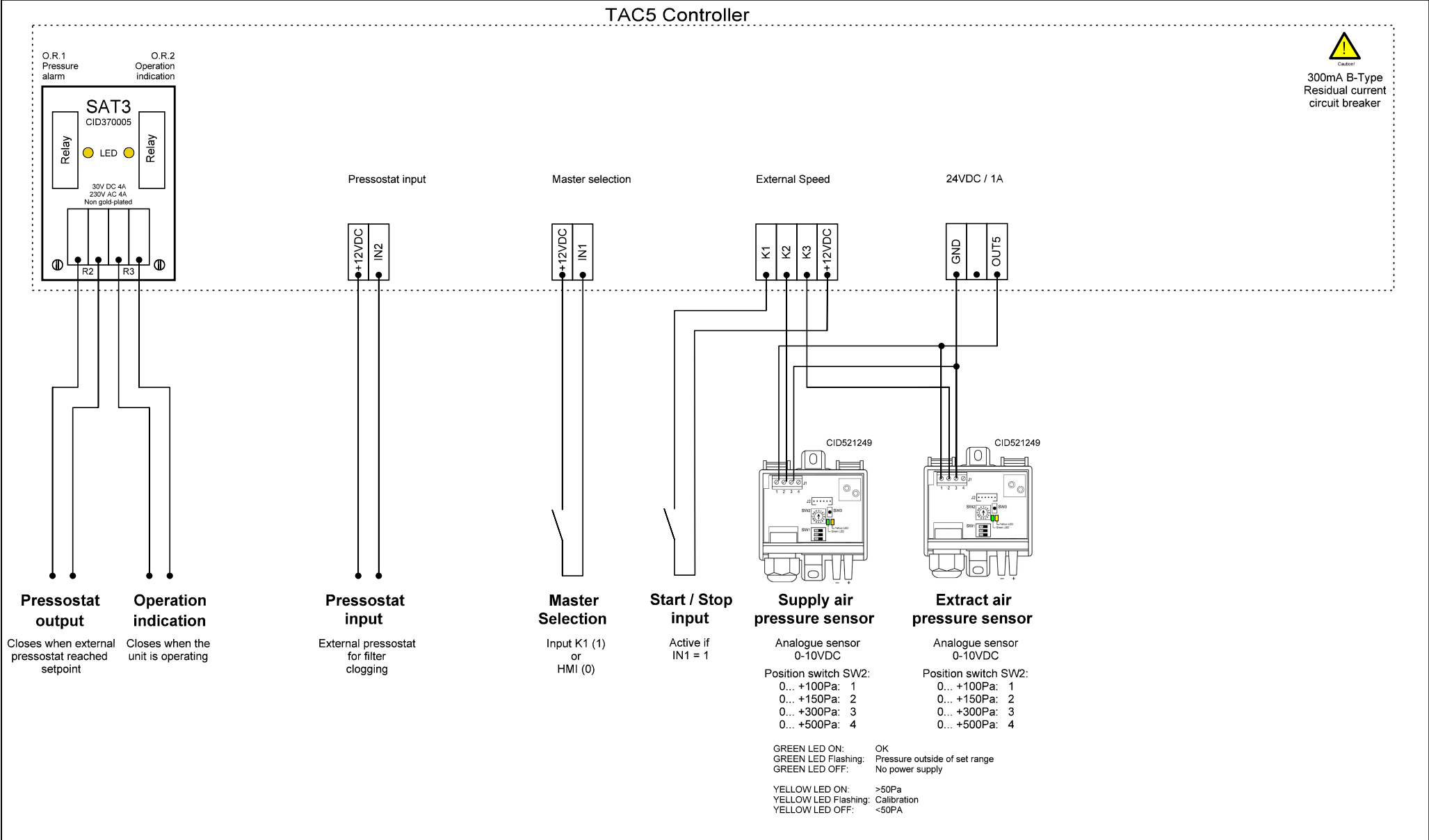
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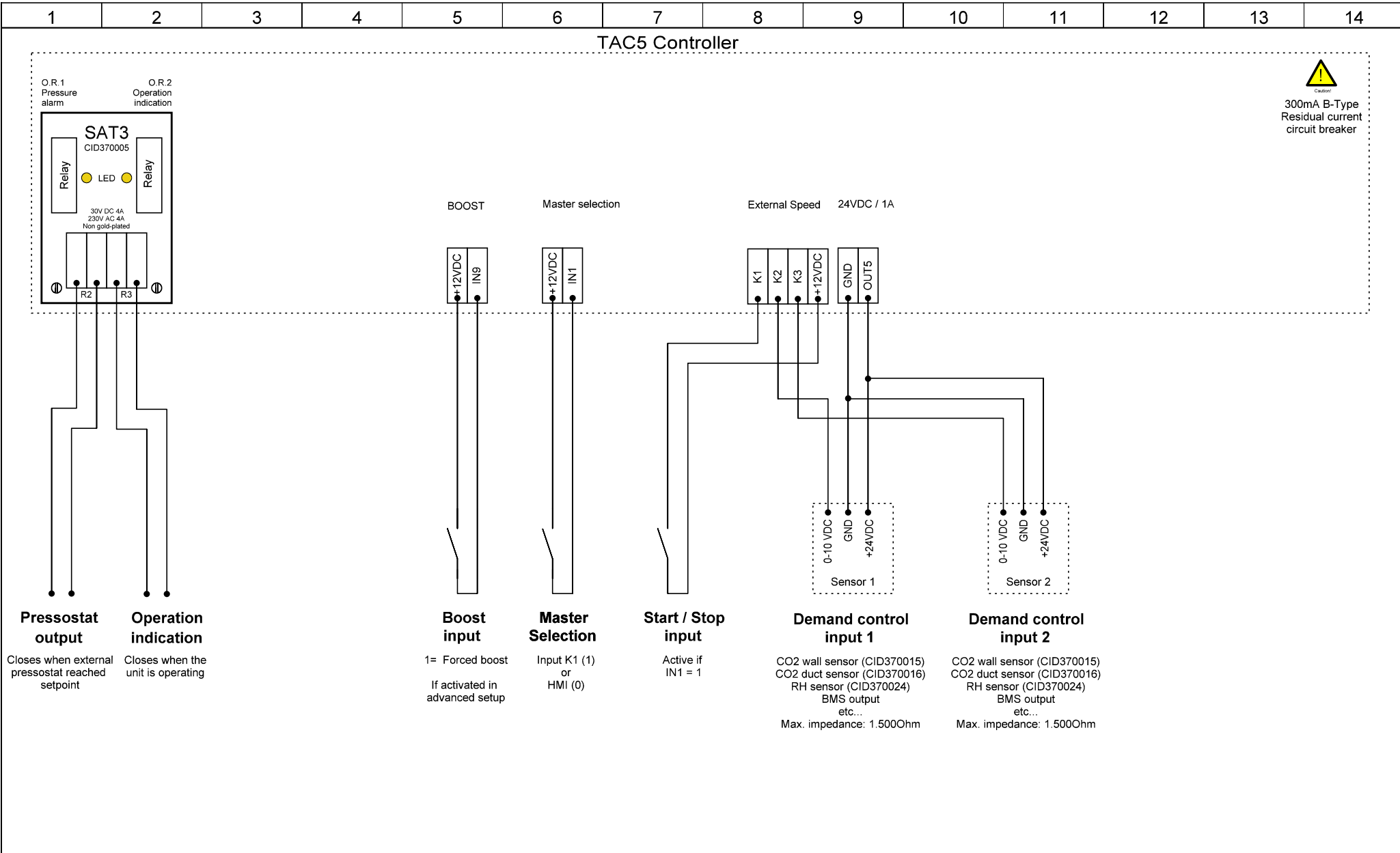


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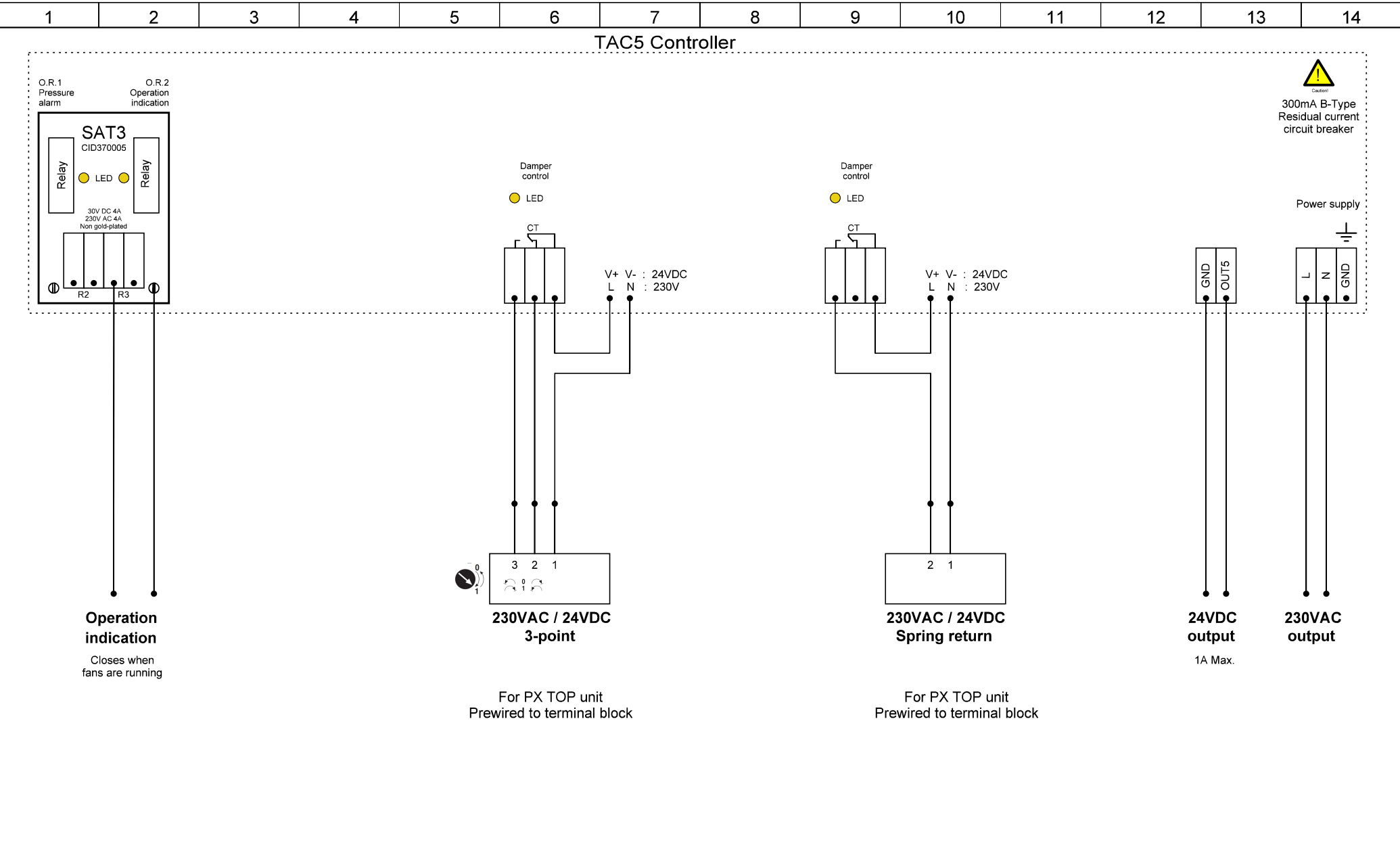


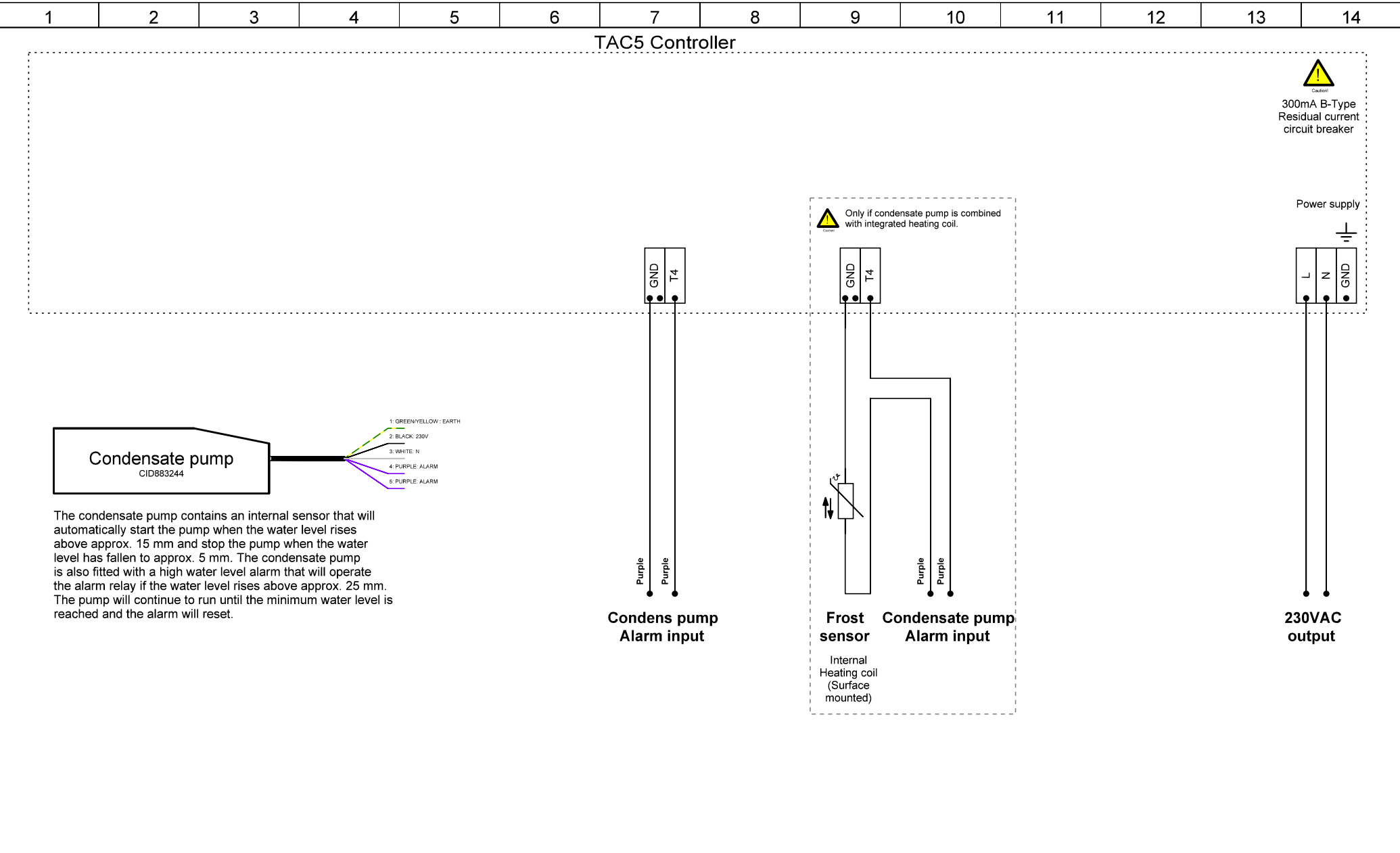


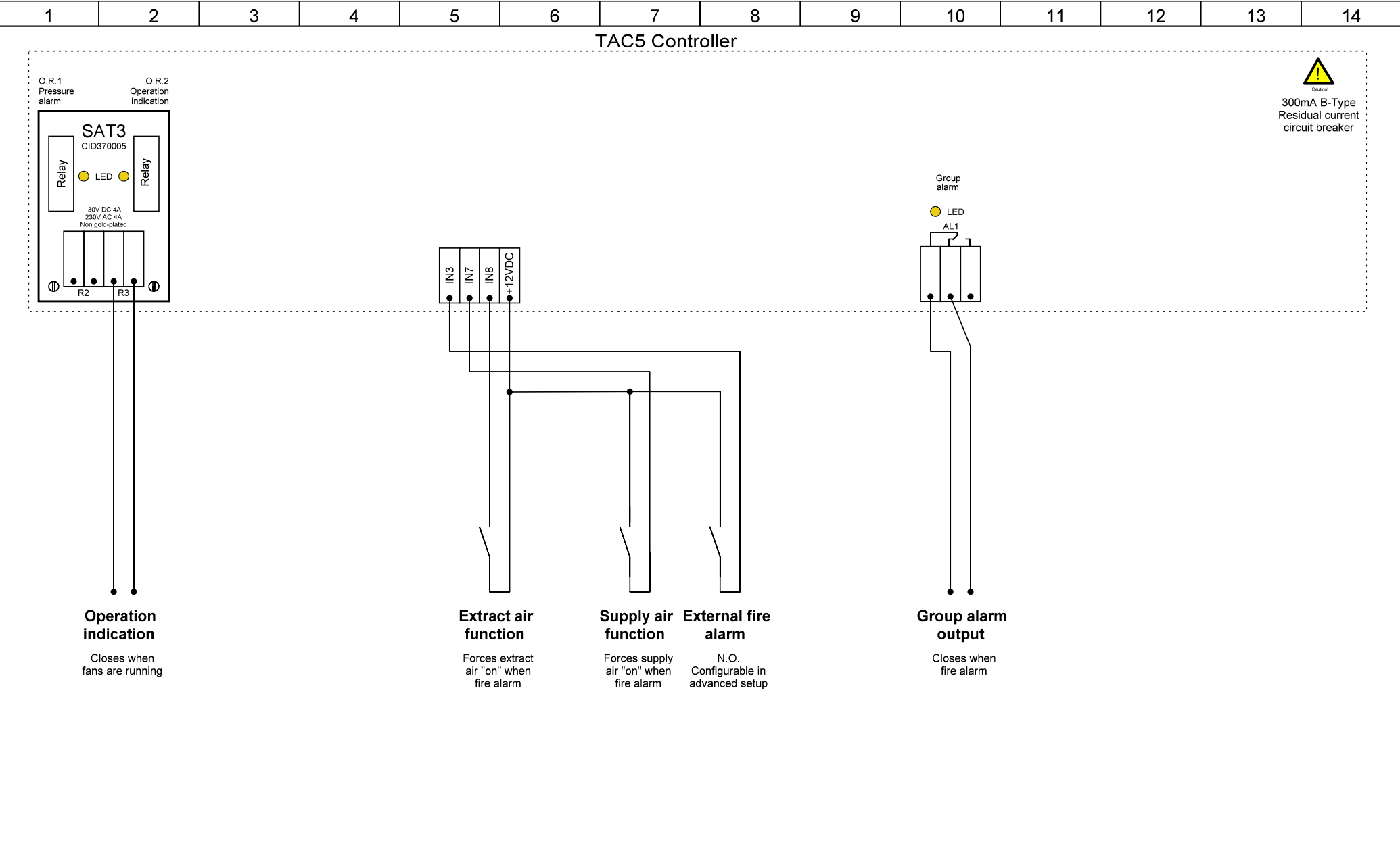
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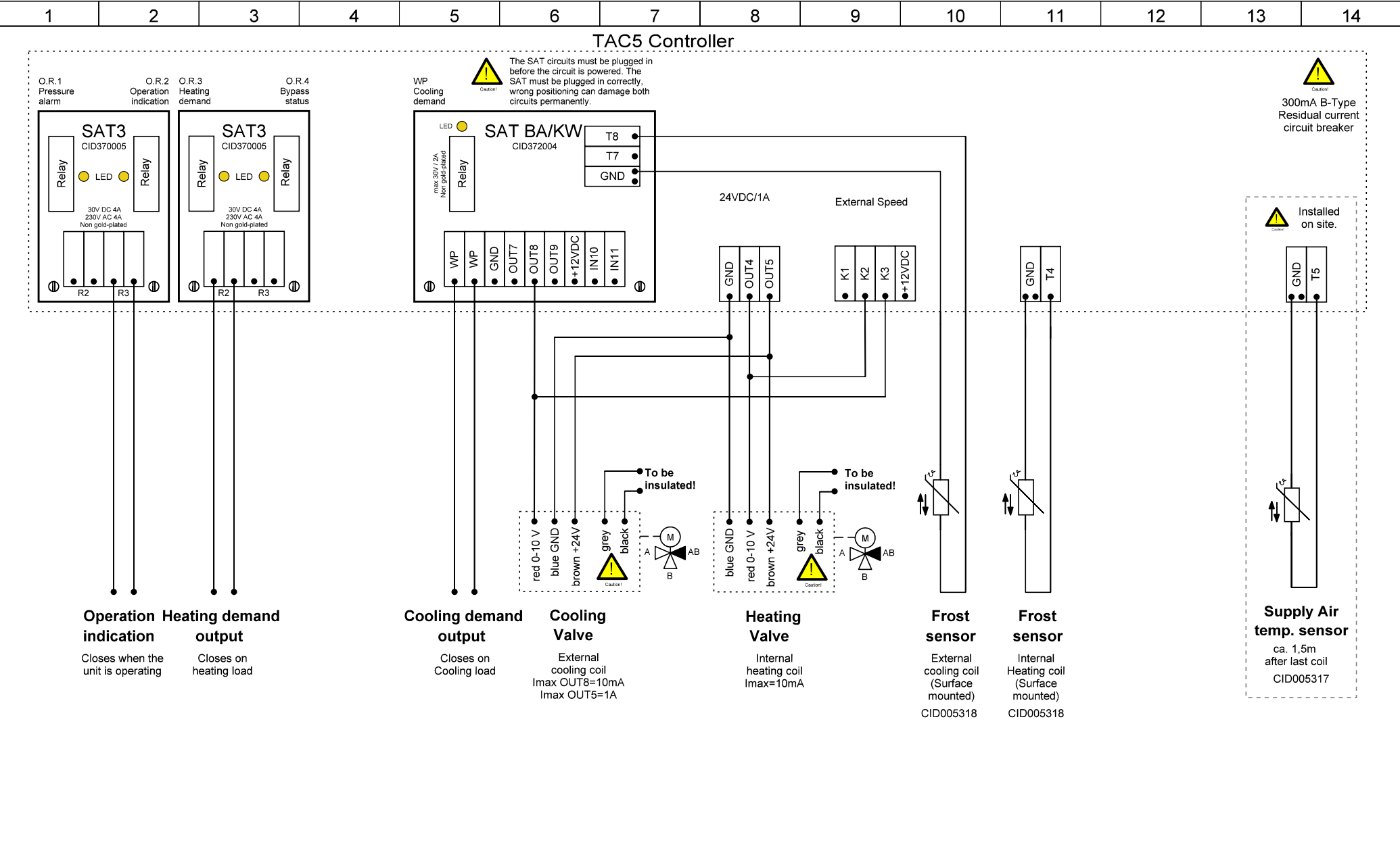


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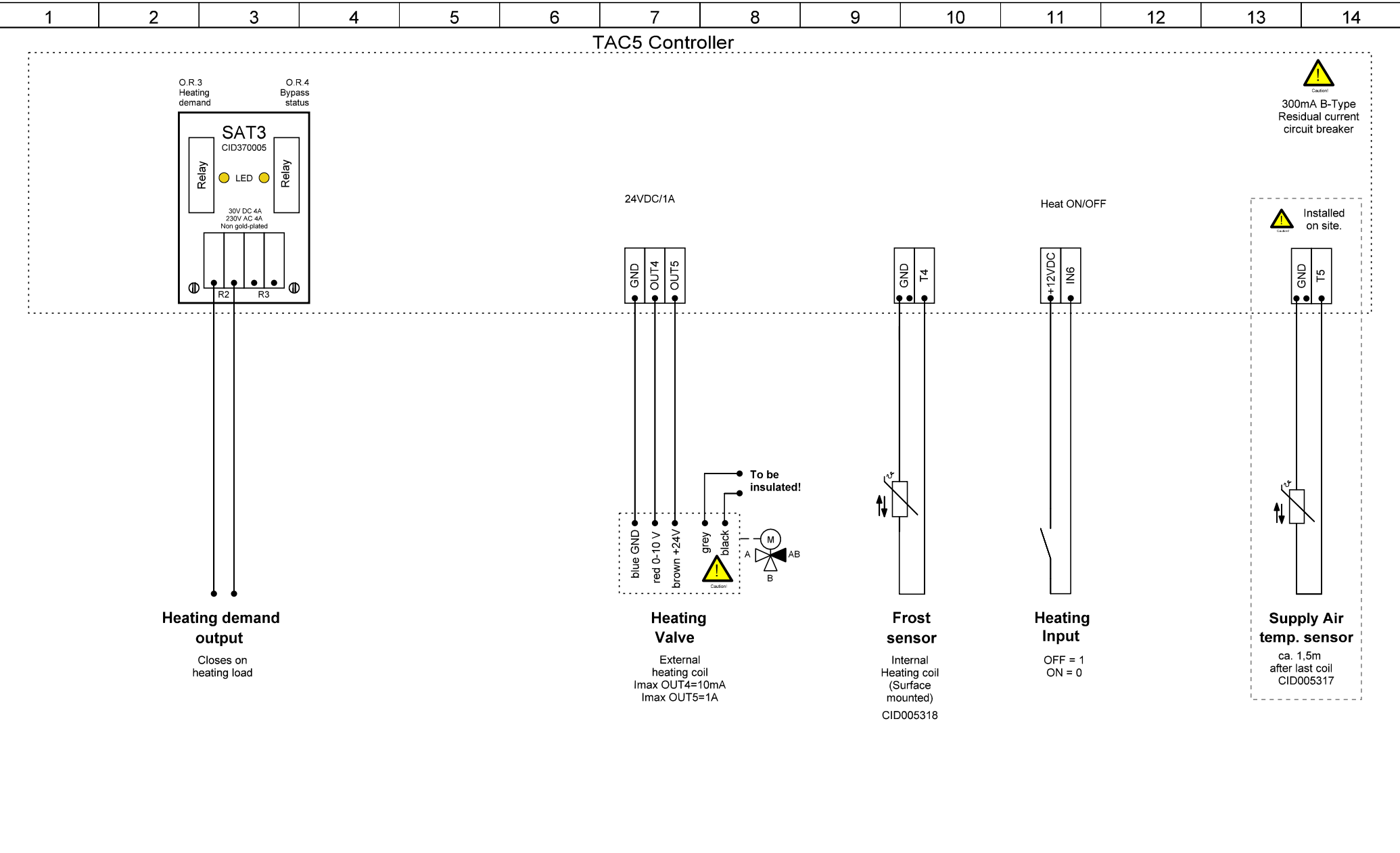




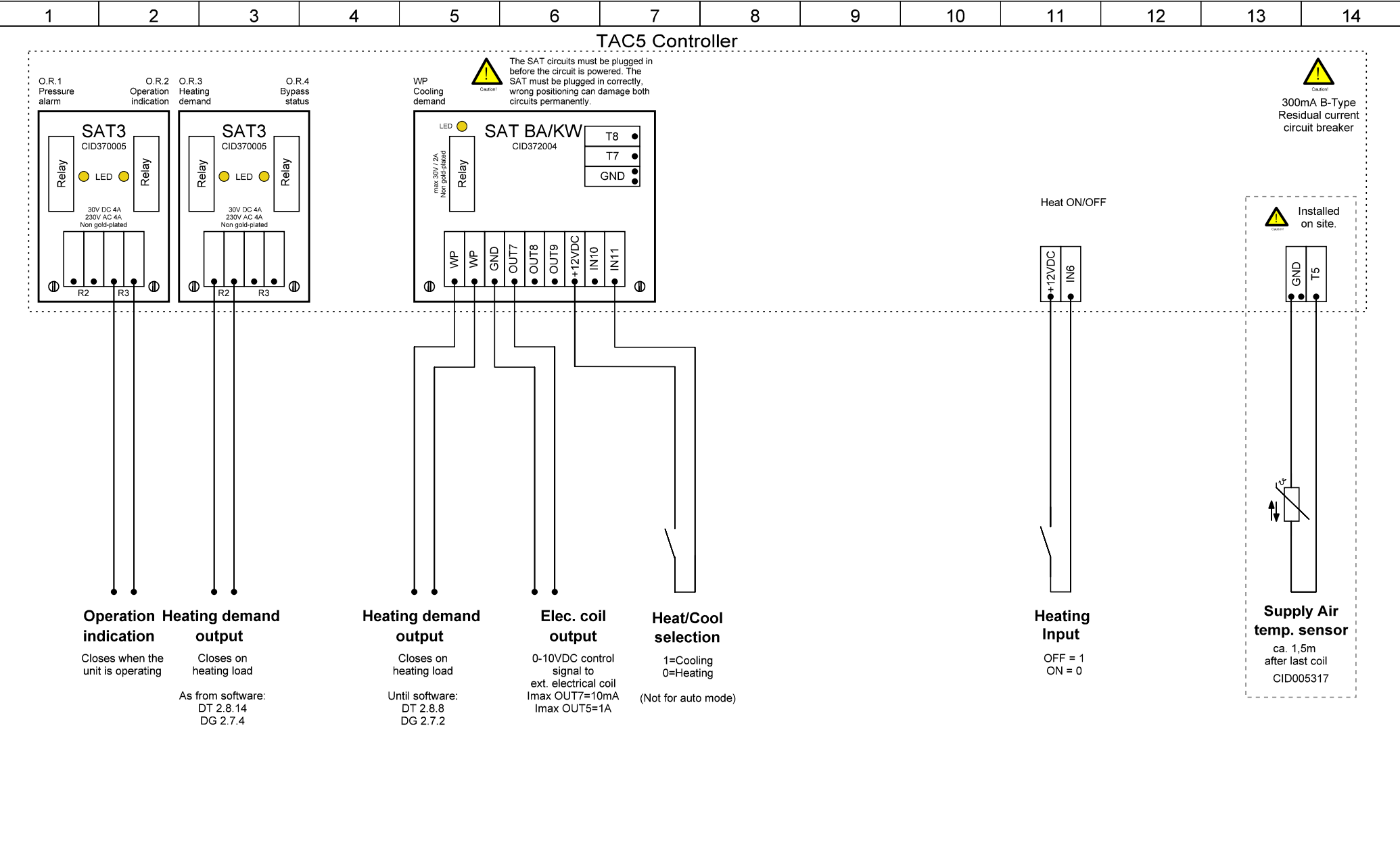


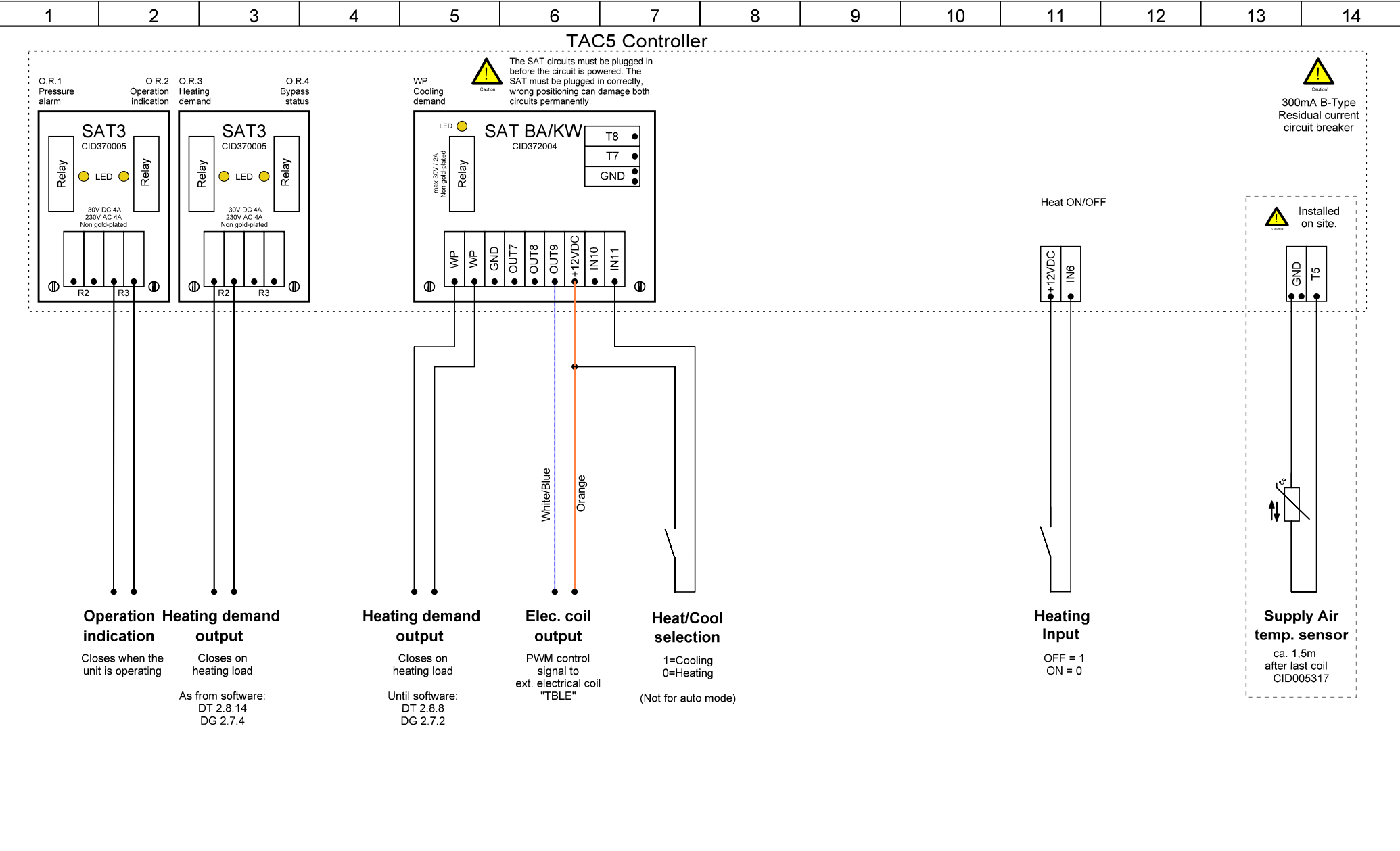


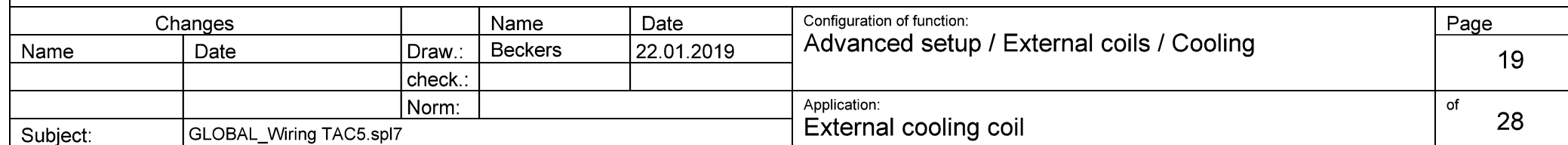
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		Norm:			Application: Heating/Cooling Boost	of
Subject:	GLOBAL_Wiring TAC5.spl7					28

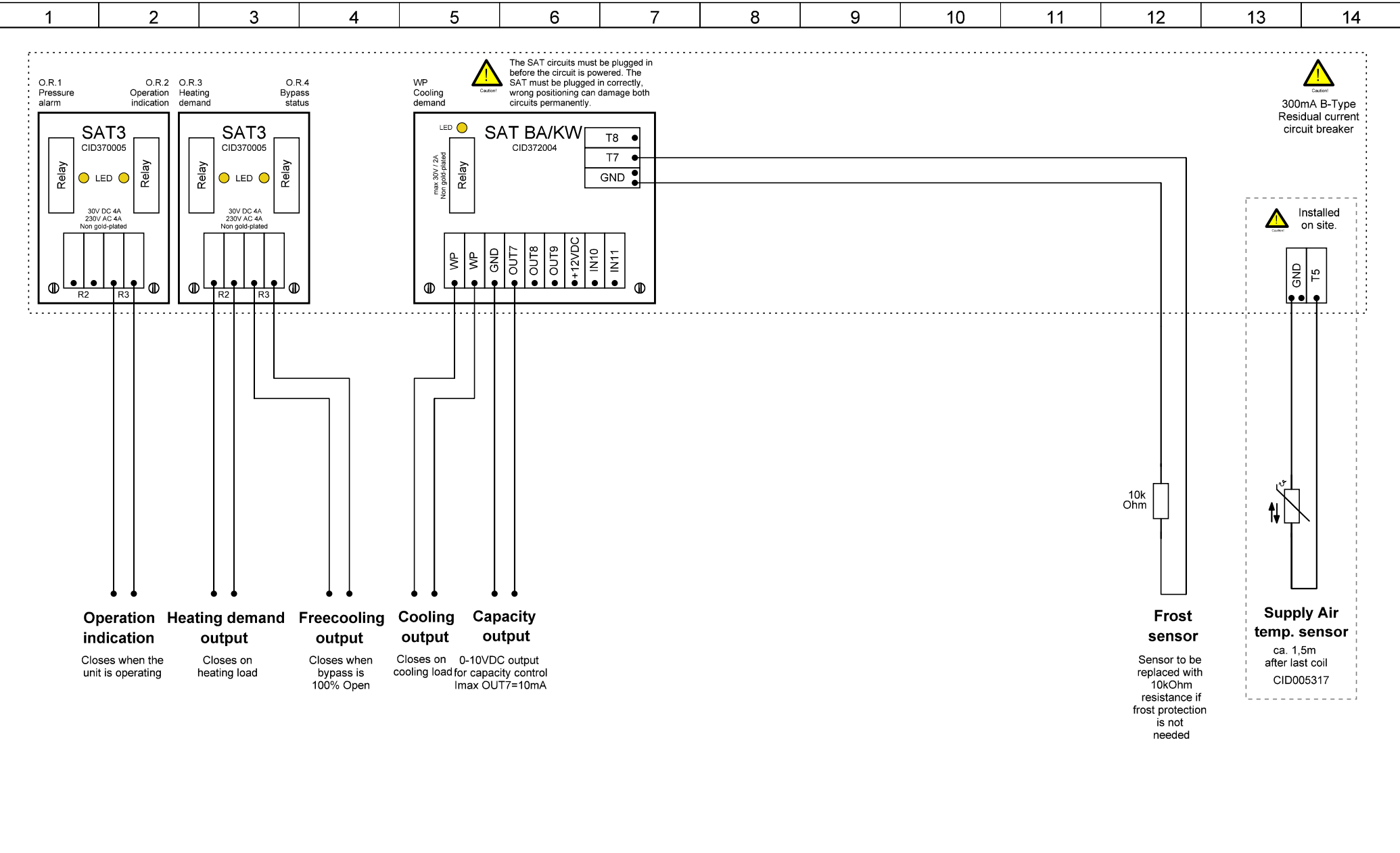


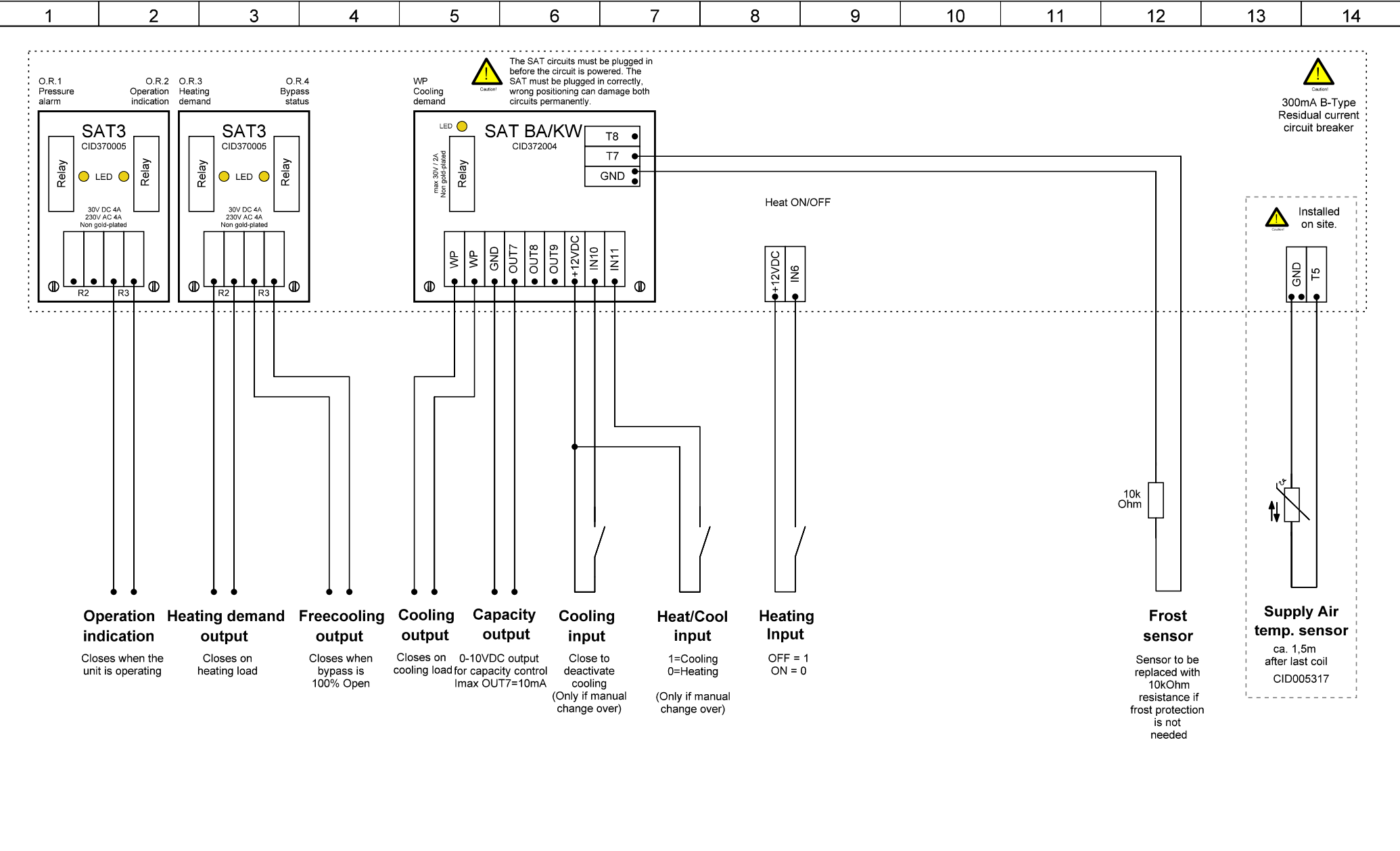
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Subject:	GLOBAL_Wiring TAC5.spl7				Int. heating coil	28



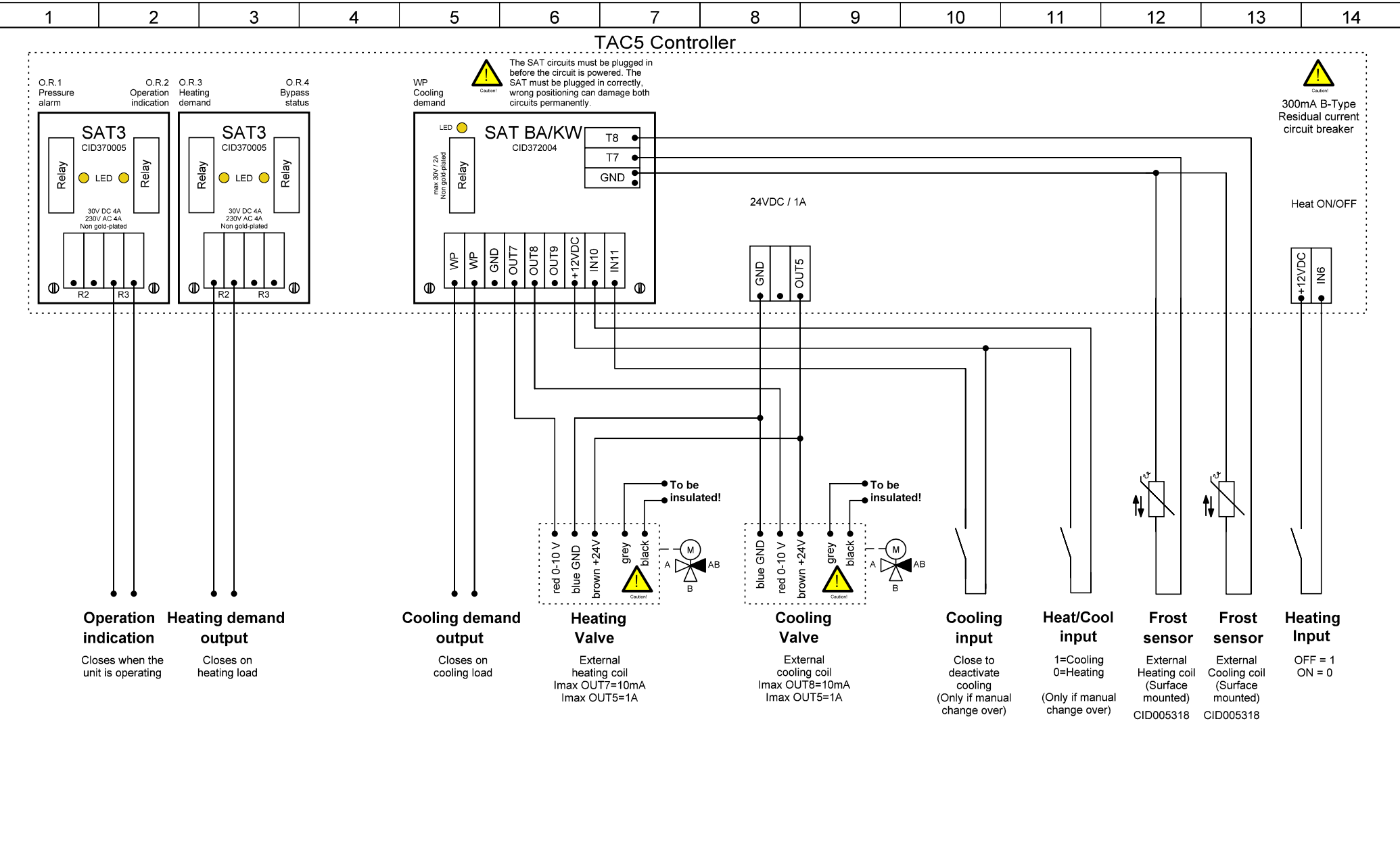


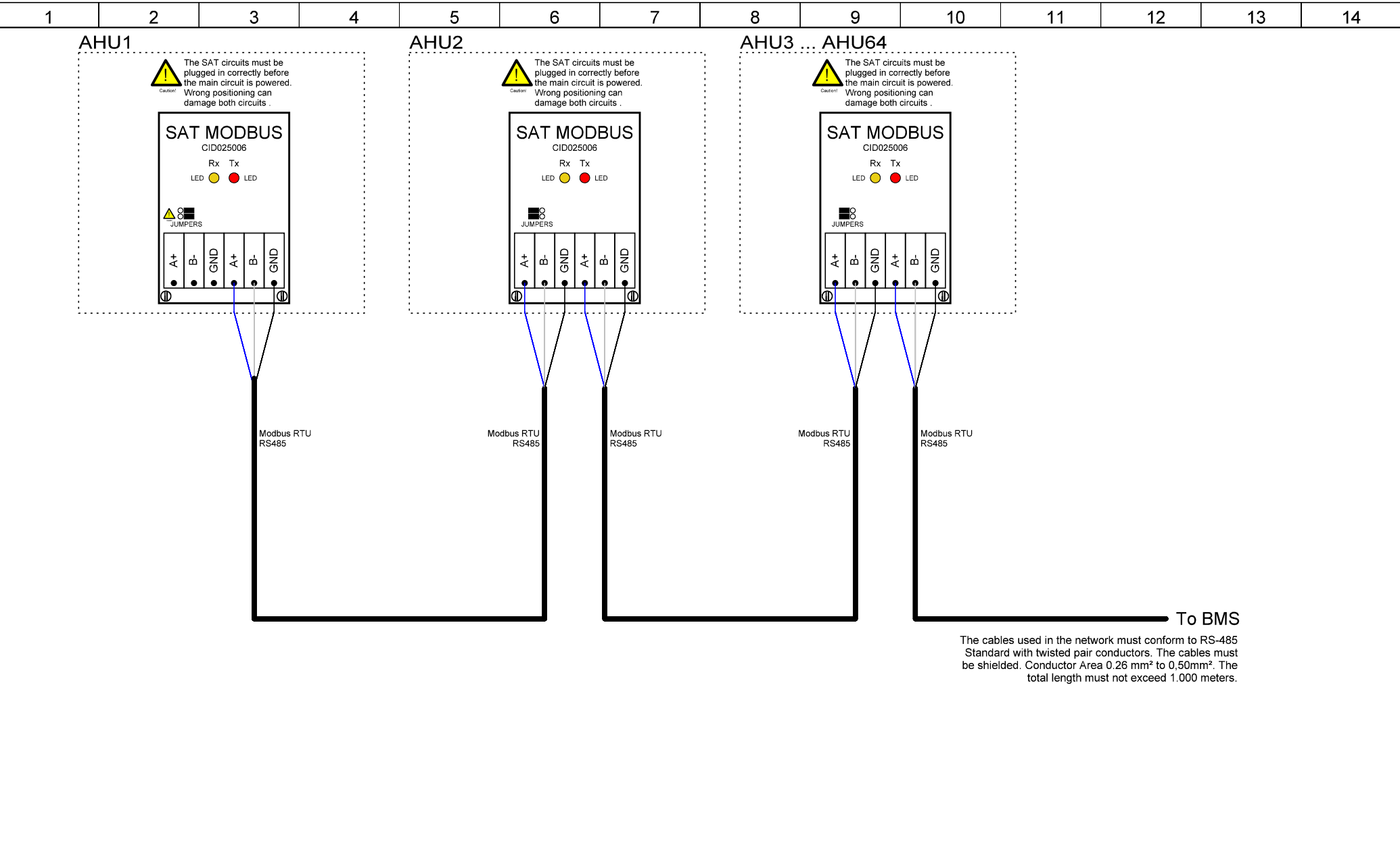




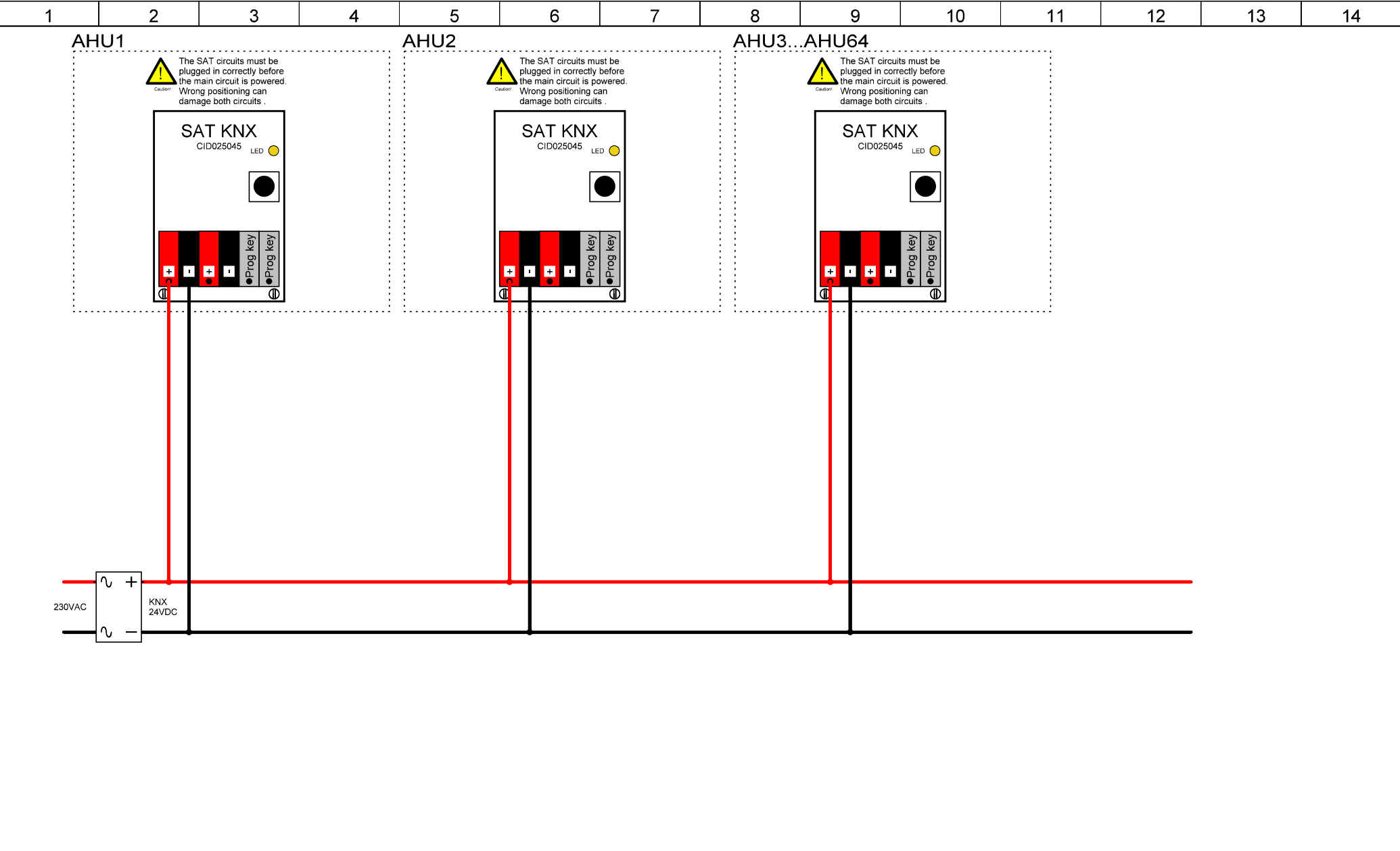


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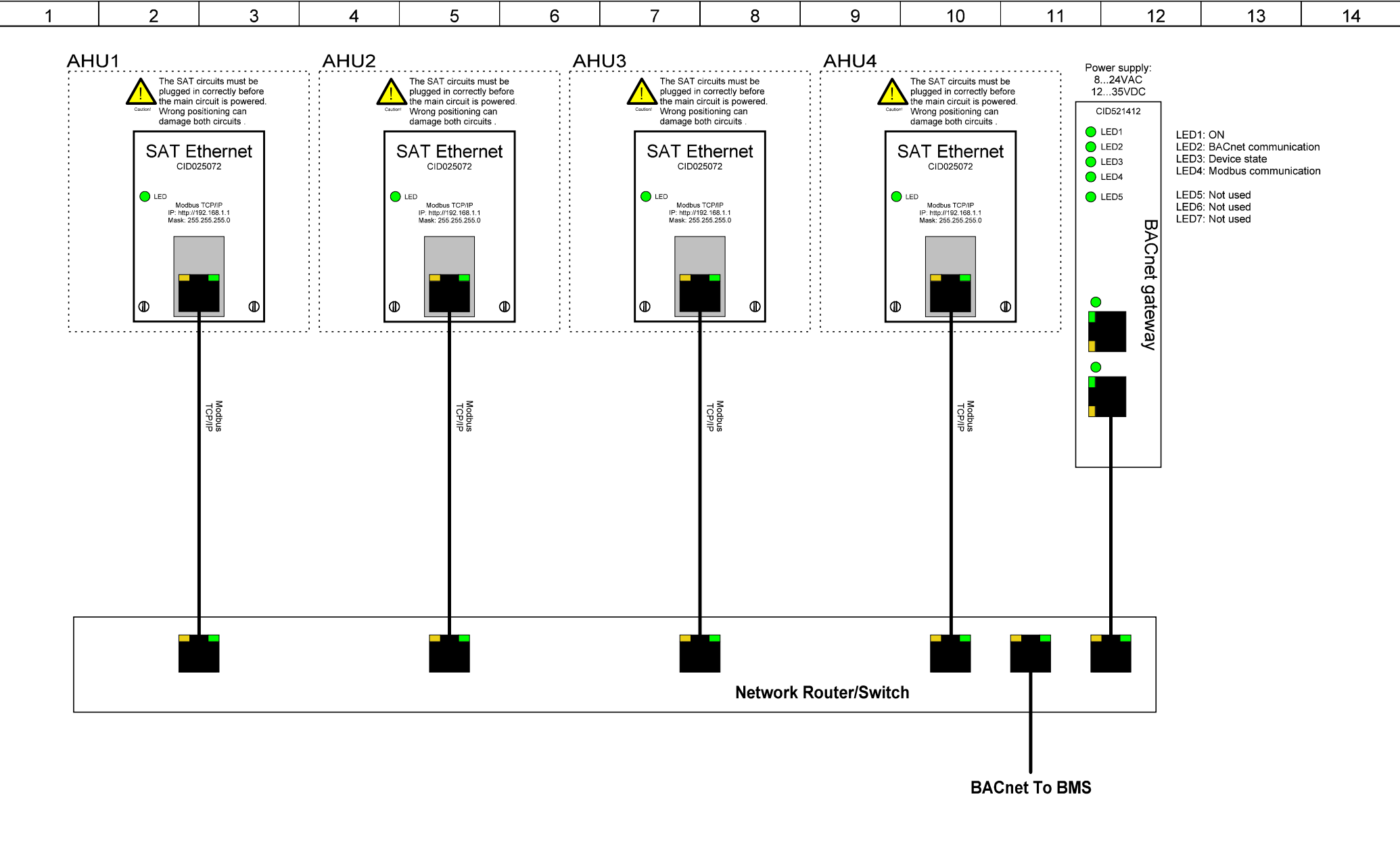




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Changes			Name	Date	Configuration of function: Advanced setup	Page
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Subject:	GLOBAL_Wiring TAC5.spl7					



Changes			Name	Date	Configuration of function: Advanced setup	Page
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Subject:	GLOBAL_Wiring TAC5.spl7					28



Changes			Name	Date	Configuration of function: Advanced setup	Page
Name	Date	Draw.:				27
		check.:				
		Norm:			Application: TAtouch centralised	of 28
Subject:	GLOBAL_Wiring TAC5.spl7					

