

**SCHEMI ELETTRICI  
UP - COMANDO REMOTO**

**UP - REMOTE CONTROL  
WIRING DIAGRAMS**

**SCHÉMAS ELECTRIQUES  
UP - COMMANDE À DISTANCE**

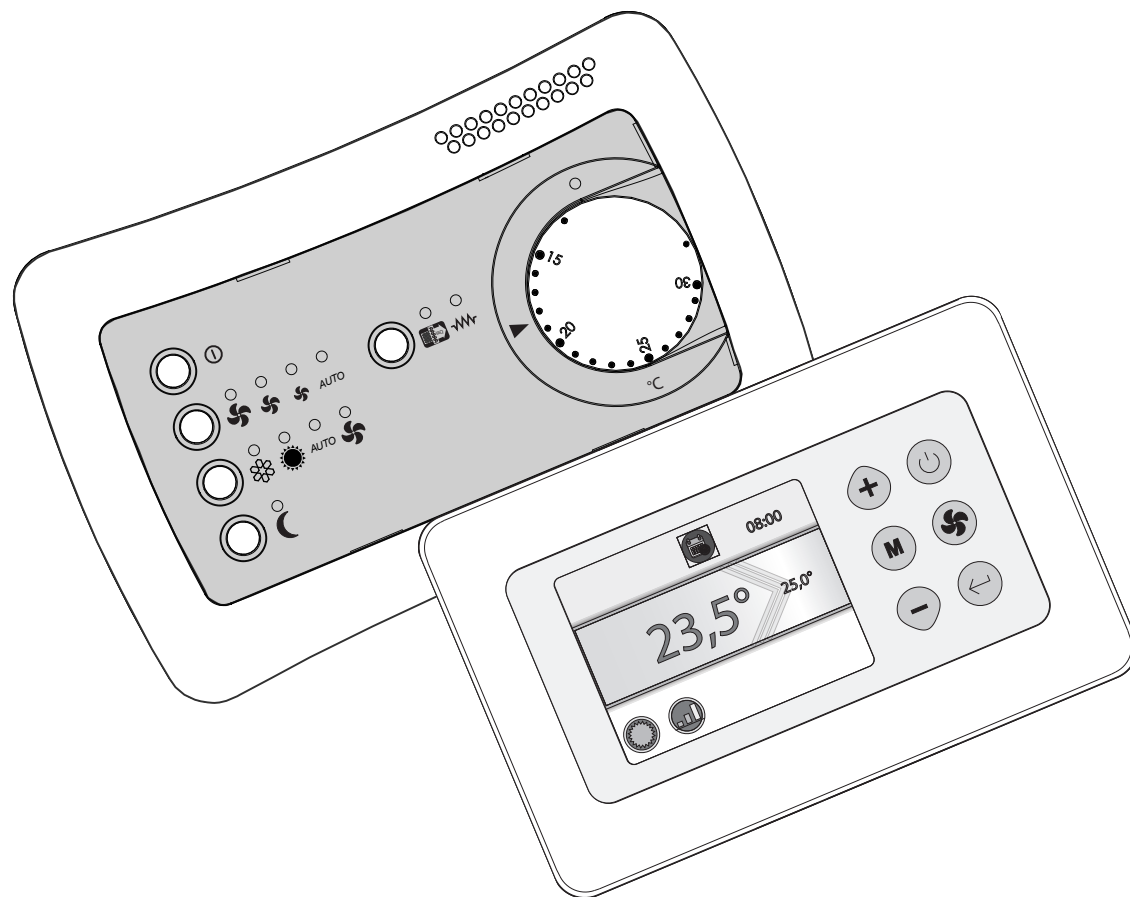
**ELEKTROPLÄNE  
UP - FERNSTEUERUNG**

**ESQUEMAS ELÉCTRICOS  
UP - MANDO A DISTANCIA**

**ЭЛЕКТРОСХЕМ UP - дистанционного  
управления**










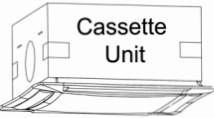
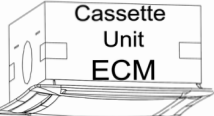
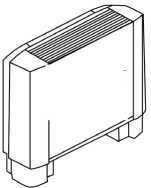
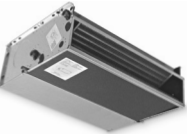
04/2024  
Cod. 4050963B









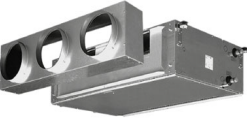



(Questo documento integra il manuale di uso, installazione e manutenzione cod. 4050963A / 4050329 / 4050334)



(This document supplements the operating manual, installation and maintenance code 4050963A / 4050329 / 4050334)

**UNIT CONFIGURATION**



			MOTOR		VALVE/S		PUMP	EL.HEATER	EL. FILTER	UVC	
	UNIT TYPE	WIRING ID	AC	EC		 					
	Cassette AC 0-6	SE-0476	✓				✓				
		SE-0477	✓		✓	✓	✓				
		SE-0478	✓			✓		✓	✓		
		SE-0479	✓			✓		✓		✓	
	Cassette ECM 0-6	SE-0389-01		✓			✓				
		SE-0389-02		✓	✓		✓				
		SE-0389-03		✓			✓	✓			
		SE-0390-01		✓				✓	✓		
		SE-0390-02		✓		✓		✓	✓		
	Cassette ECM 7-8	SE-0689		✓		✓	✓	✓			
		SE-0690		✓		✓		✓	✓		
 	Fan Coil AC	SE-0483	✓		✓	✓					
		SE-0484	✓			✓		✓	✓		
		SE-0485	✓			✓	✓	✓			
		SE-0486	✓			✓	✓	✓	✓		
		SE-0487	✓			✓	✓			✓	✓
		SE-0488	✓			✓	✓	✓		✓	✓

			UNIT CONFIGURATION								
			MOTOR		VALVE/S		PUMP	EL.HEATER	EL. FILTER	UVC	
	UNIT TYPE	WIRING ID	AC	EC		 					
 <p>Fan Coil ECM</p>	Fan Coil ECM	SE-0489		✓	✓	✓					
		SE-0490		✓	✓	✓	✓				
		SE-0491		✓	✓	✓	✓	✓			
		SE-0492		✓	✓	✓	✓	✓	✓		
		SE-0493		✓	✓	✓	✓			✓	
		SE-0494		✓	✓	✓	✓	✓		✓	
	DUCTED FAN COIL AC 1 - 2	SE-0691-01	✓		✓	✓					
		SE-0691-02	✓			✓		✓			
	DUCTED FAN COIL AC 3 ÷ 7	SE-0692-01	✓		✓						
		SE-0692-02	✓			✓					
		SE-0692-03	✓				✓		✓		
	DUCTED FAN COIL ECM	SE-0691-03		✓	✓	✓					
	MODULAR DUCTED UNITS ECM	SE-0691-04		✓✓		✓		✓			



**LEGENDA**

**SEC 1** = Scheda Cassette  
**SEP** = Scheda gestione pompa  
**BLAC** = Scheda elettronica Inverter  
**M** = Motoventilatore  
**E** = Valvola acqua (IMPIANTO A 2 TUBI)  
**E1** = Valvola acqua CALDA o resistenza elettrica  
**E2** = Valvola acqua FREDDA  
 = Estate - aria fredda  
 = Inverno - aria calda  
**T1** = Sonda aria  
**T2** = Sonda temperatura acqua/ CHANGE-OVER  
**T3** = Sonda di minima T3  
**Q1** = Sezionatore con un polo protetto da fusibile (raccomandato)  
**EH** = Resistenza elettrica  
**IAQ** = Filtro elettronico  
**M9/MP** = Pompa di evacuazione condensa  
**TS1** = Termostato di sicurezza a riarmo automatico  
**TS2** = Termostato di sicurezza a riarmo manuale  
**X1/X2/FCT** = Morsettiera unità  
**GNYE** = Giallo/Verde  
**RD** = Rosso = Minima  
**OG** = Arancio = Media  
**BK** = Nero = Massima  
**BN** = Marrone  
**BU** = Blu



**LEGEND**

**SEC 1** = Cassette electronic board  
**SEP** = Pump control board  
**BLAC** = Inverter circuit board  
**M** = Fan  
**E** = Water valve (two tube unit)  
**E1** = Hot water valve or electrical heater  
**E2** = Cold water valve  
 = Summer - cold air  
 = Winter - warm air  
**T1** = Air probe  
**T2** = water temperature probe/ CHANGE-OVER  
**T3** = T3 low temperature (cut-out thermostat)  
**Q1** = Circuit breakers with one pole protected by fuse (recommended)  
**EH** = Electrical heater  
**IAQ** = Electronic filter  
**M9/MP** = Condensate pump  
**TS1** = Self reset safety thermostat  
**TS2** = Manual reset safety thermostat  
**X1/X2/FCT** = Unit terminal board  
**GNYE** = Yellow/Green  
**RD** = Red = Low  
**OG** = Orange = Medium  
**BK** = Black = High  
**BN** = Brown  
**BU** = Dark blue



**LÉGENDE**

**SEC 1** = Bornier Cassette  
**SEP** = Carte gestion pompe  
**BLAC** = Carte électronique de contrôle  
**M** = Motoventilateur  
**E** = Vanne à eau (installation à 2 tubes)  
**E1** = Vanne eau chaude ou résistance électrique  
**E2** = Vanne eau froide  
 = Été - air froid  
 = Hiver - air chaud  
**T1** = Sonde air  
**T2** = Sonde de temperature de l'eau / CHANGE-OVER  
**T3** = Sonde de température minimum T3  
**Q1** = Interrupteur avec une pôle protégé par fusible (recommandé)  
**EH** = Résistance électrique  
**IAQ** = Filtre électronique  
**M9/MP** = Pompe d'évacuation des condensats  
**TS1** = Thermostat à réarmement automatique  
**TS2** = Thermostat à réarmement manuel  
**X1/X2/FCT** = Bornier unité  
**GNYE** = Jaune/Vert  
**RD** = Rouge = Mini  
**OG** = Orange = Moyenne  
**BK** = Noir = Maxi  
**BN** = Marron  
**BU** = Bleu foncé



**LEGENDE**

**SEC 1** = Platine Kassetten  
**SEP** = Karte für Pumpenverwaltung  
**BLAC** = Elektronikarte Inverter  
**M** = Motorventilator  
**E** = Wasserventil (Anlage mit zwei Rohren)  
**E1** = Warmwasserventil oder Elektrischer Widerstand  
**E2** = Kaltwasserventil  
 = Sommer - kalte Luft  
 = Winter - warme Luft  
**T1** = Lufttemperaturfühler  
**T2** = Wassertemperaturfühler / CHANGE-OVER  
**T3** = Mindesttemperatursonde T3  
**Q1** = Hauptschalter (empfohlen)  
**EH** = Elektrischer Widerstand  
**IAQ** = Elektronsche Filter  
**M9/MP** = Kondensatpumpe  
**TS1** = Thermostat mit automatischem Reset  
**TS2** = Thermostat mit manuellem Reset  
**X1/X2/FCT** = Klemmbrett Einheit  
**GNYE** = Gelb/Groen  
**RD** = Rot = Min  
**OG** = Orange = Med  
**BK** = Schwarz = Max  
**BN** = Braun  
**BU** = Blau

**LEYENDA**

**SEC 1** = Tarjeta Cassette del ventiloconvector  
**SEP** = Tarjeta gestión bomba  
**M** = Motoventilador  
**E** = Válvula agua (sistema de climatización a 2 tubos)  
**E1** = Válvula agua caliente o resistencia eléctrica  
**E2** = Válvula agua fría  
 = Verano - aire frío  
 = Invierno - aire caliente  
**T1** = Sonda aire  
**T2** = Sonda de temperatura del agua / CHANGE-OVER  
**T3** = Sonda T3 de mínima  
**Q1** = Interruptor de maniobra seccionador de una polo protección con fusible (recomendado)  
**EH** = Resistencia eléctrica  
**IAQ** = Filtre electrónico  
**M9/MP** = Bomba de evacuación de condensados  
**TS1** = Termostato de rearme automático  
**TS2** = Termostato de rearme manual  
**X1/X2/FCT** = Borna de conexión  
**GNYE** = Amarillo/Verde  
**RD** = Rojo = Minima  
**OG** = Naranja = Media  
**BK** = Negro = Máxima  
**BN** = Marrón  
**BU** = Azul

**ЛЕГЕНДА**

**SEC 1** = электронная плата  
**SEP** = Насос управления Электронная карта  
**BLAC** = Электронный инвертор карты  
**M** = Мотовентилятор  
**E** = Водяной клапан (УСТАНОВКА С 2 ТРУБАМИ)  
**E1** = Клапан ГОРЯЧЕЙ воды или электрического нагревательного элемента  
**E2** = Клапан ХОЛОДНОЙ воды  
 = Лето - холодный воздух  
 = Зима - горячий воздух  
**T1** = зонд воздуха  
**T2** = Температурный зонд воды / Смена сезона внешним устройством  
**T3** = Зонд минимальной температуры T3  
**Q1** = Отсекающий выключатель с полюсом, защищённым плавким предохранителем (рекомендуется)  
**EH** = Электрический нагревательный элемент  
**IAQ** = Электрический фильтр  
**M9/MP** = Насос для вывода конденсата  
**TS1** = Предохранительный термостат с автоматической перезарядкой  
**TS2** = Предохранительный термостат с ручной перезарядкой  
**X1/X2/FCT** = Клемными единица  
**GNYE** = Жёлтый/Зелёный  
**RD** = Красный = Минимальная  
**OG** = Оранжевый = Средняя  
**BK** = Чёрный = Максимальная  
**BN** = Коричневый  
**BU** = Синий

**A** • Impianto senza valvole  
 • Термостатизация на двигателе

**A** • Without valves installation  
 • Thermostatic control on the fan

**A** • Installation sans vannes  
 • Thermostat sur le ventilateur

**A** • Ohne ventile-System  
 • Temperaturregelung am Ventilator

**A** • Instalación sin válvulas  
 • Termostatación sobre el ventilador

**A** • Установка без клапанов  
 • Термостатическое устройство на двигателе

**B** • Impianto 2 tubi (1 valvola)  
 • Термостатизация на клапане

**B** • 2-tube installation (1 valve)  
 • Thermostatic control on the valve

**B** • Installation à 2 tubes (1 vanne)  
 • Thermostatisation sur le vanne

**B** • 2-Leiter-System (1 Ventil)  
 • Temperaturregelung der Ventil

**B** • Instalación con 2 tubos (1 válvula)  
 • Termostatación sobre la válvula

**B** • Установка с 2 трубами (1 клапан)  
 • Термостатическое устройство на клапане

**C** • Impianto 4 tubi (2 valvole)  
 • Термостатизация на клапанах

**C** • 4-tube installation (2 valves)  
 • Thermostatic control on the valves

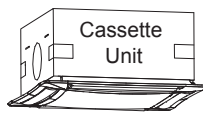
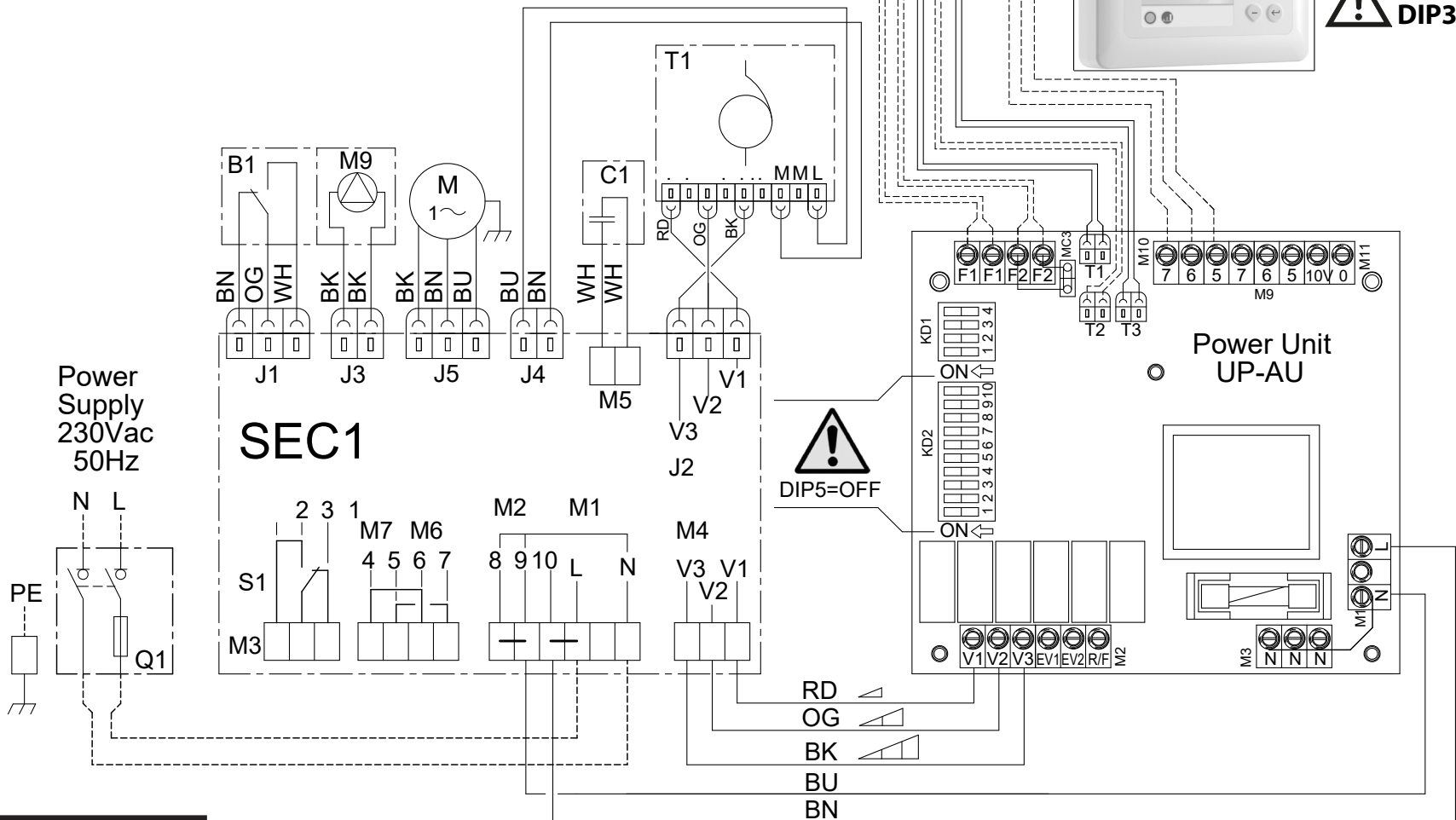
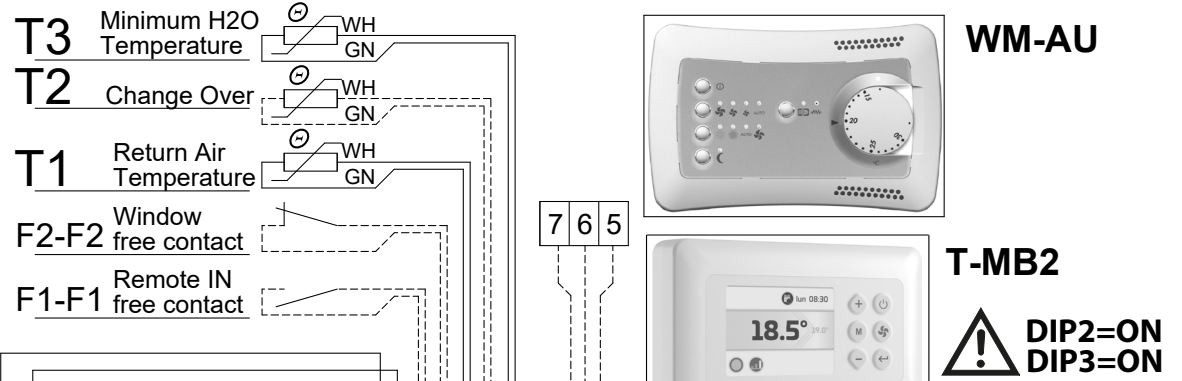
**C** • Installation à 4 tubes (2 vannes)  
 • Thermostatisation sur les vannes

**C** • 4-Leiter-System (2 Ventilen)  
 • Temperaturregelung der Ventile

**C** • Instalación con 4 tubos (2 válvulas)  
 • Termostatación sobre las válvulas

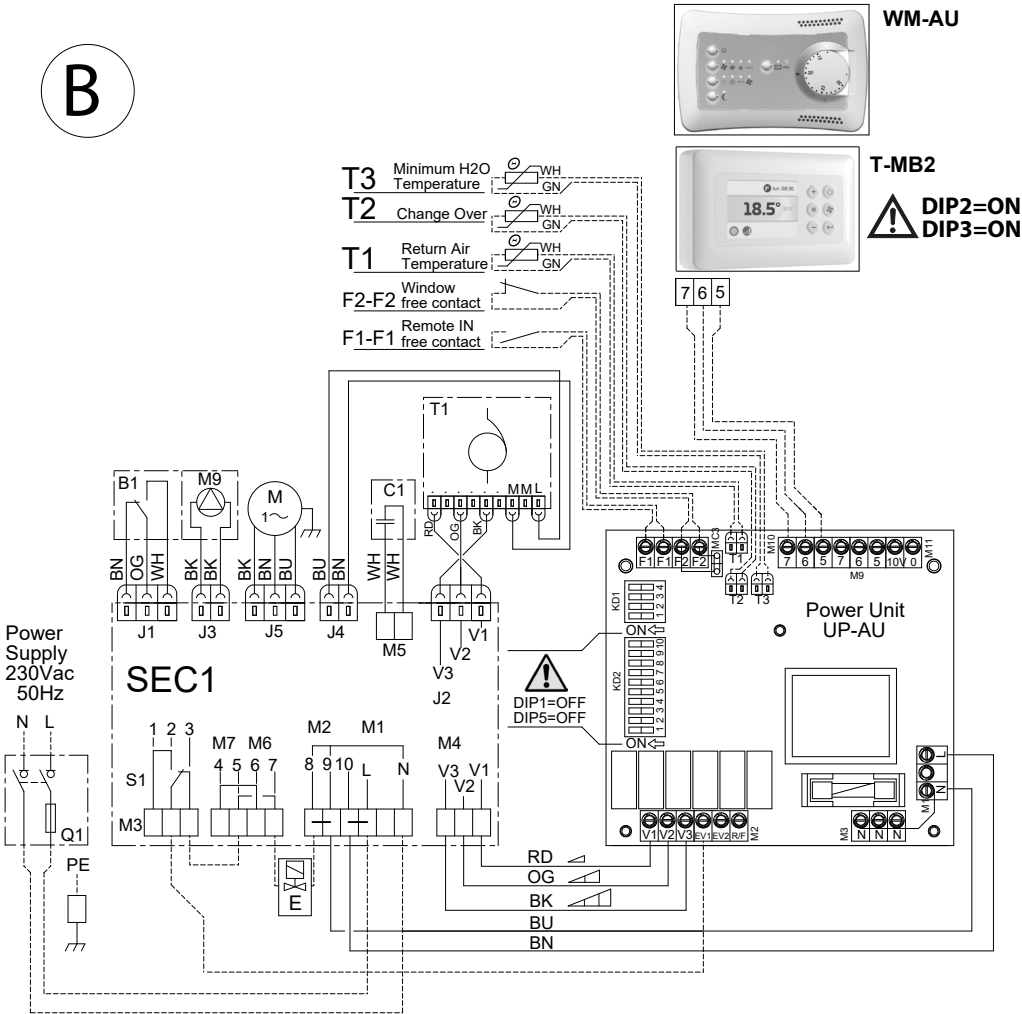
**C** • Установка с 4 трубами (2 клапана)  
 • Термостатическое устройство на клапанах

A

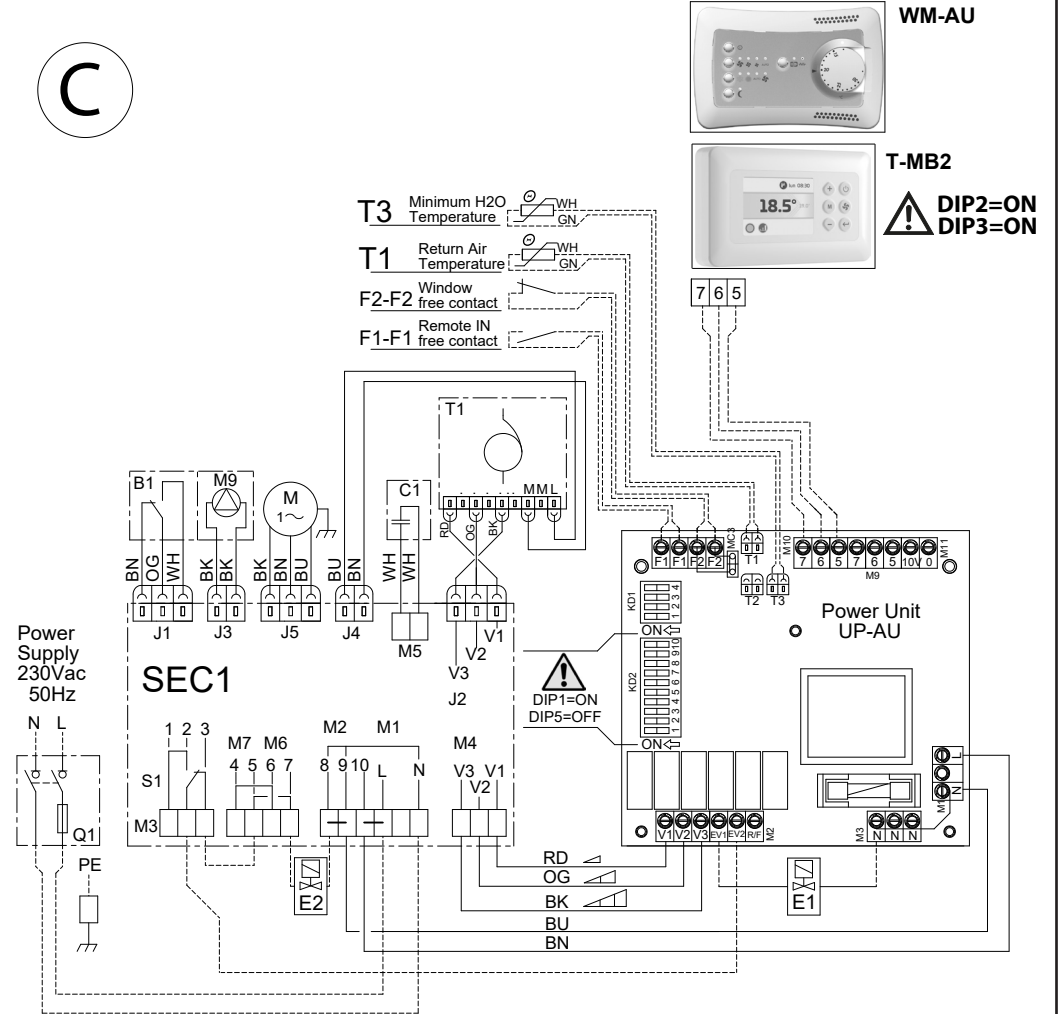


**SE-0476**

B

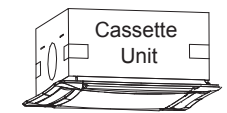
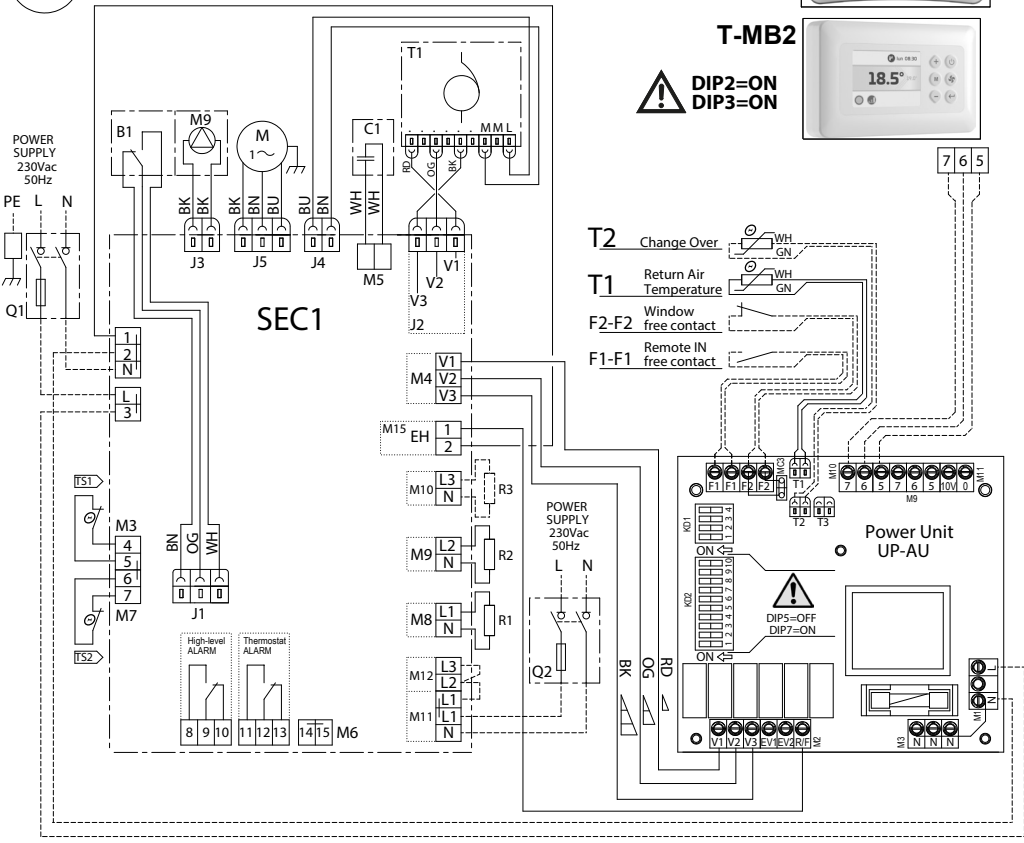


C



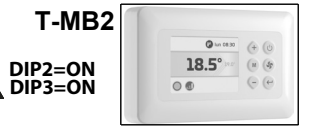
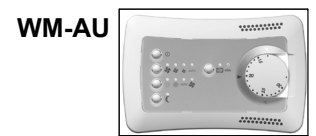
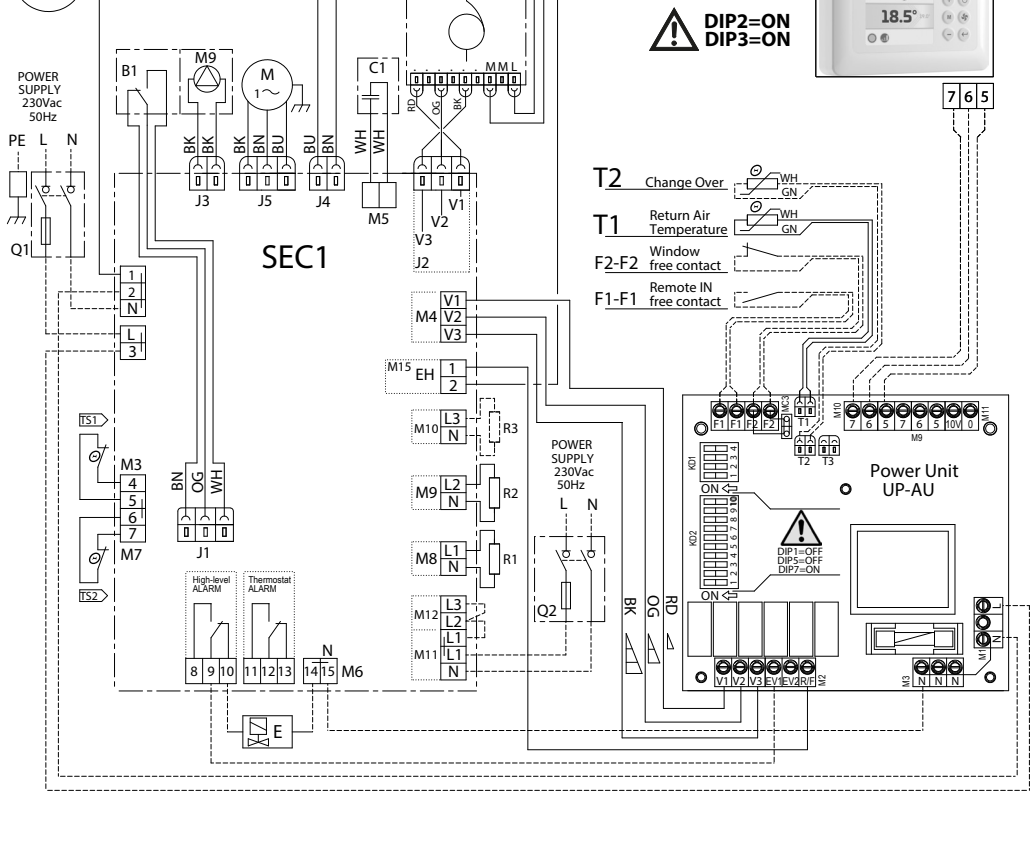
**SE-0477**

**A**



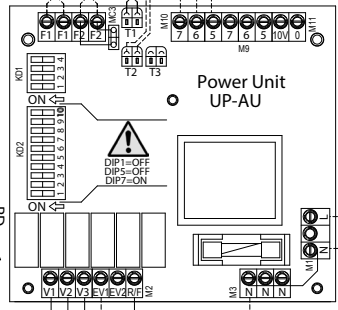
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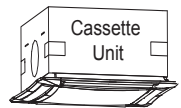
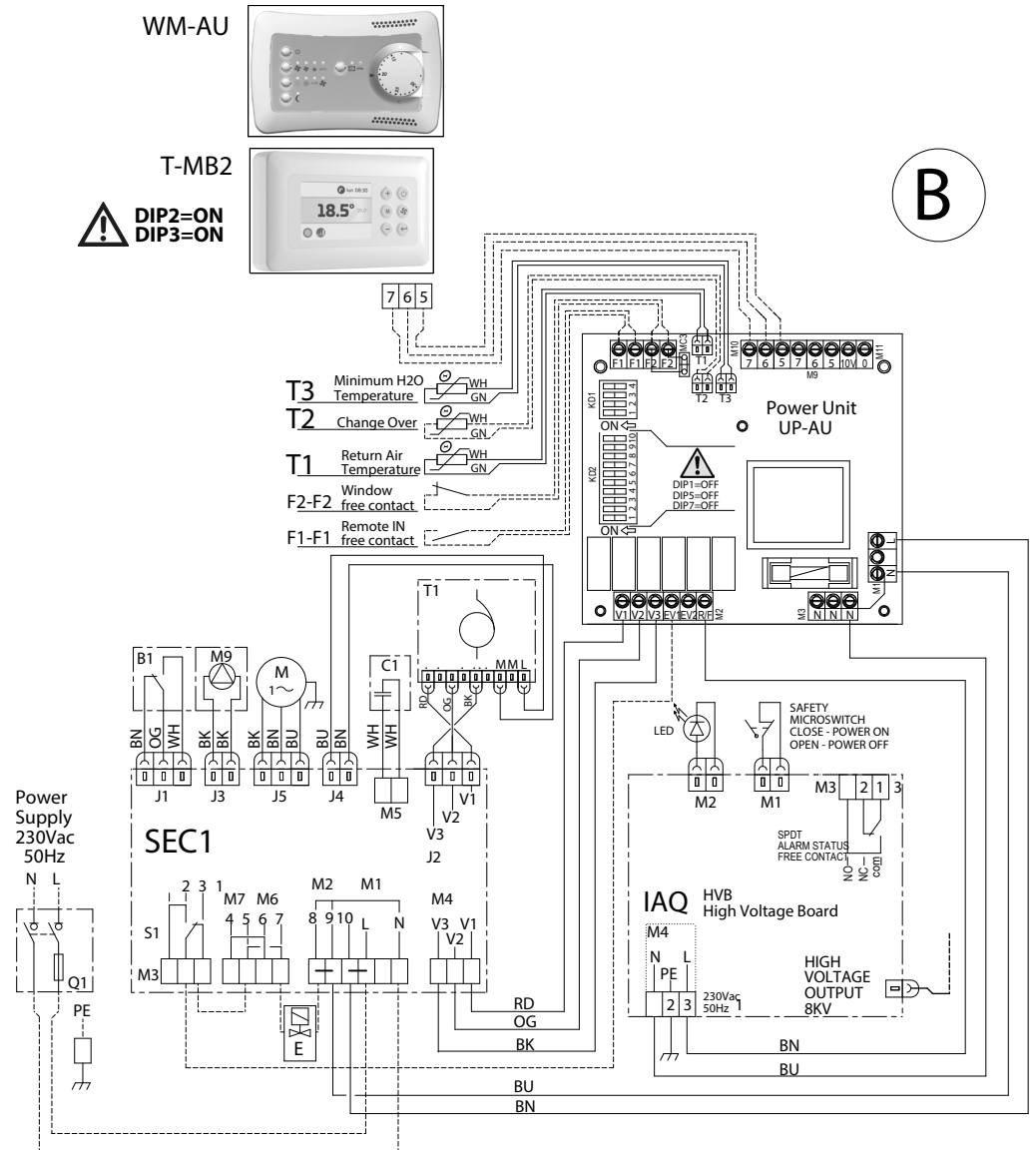
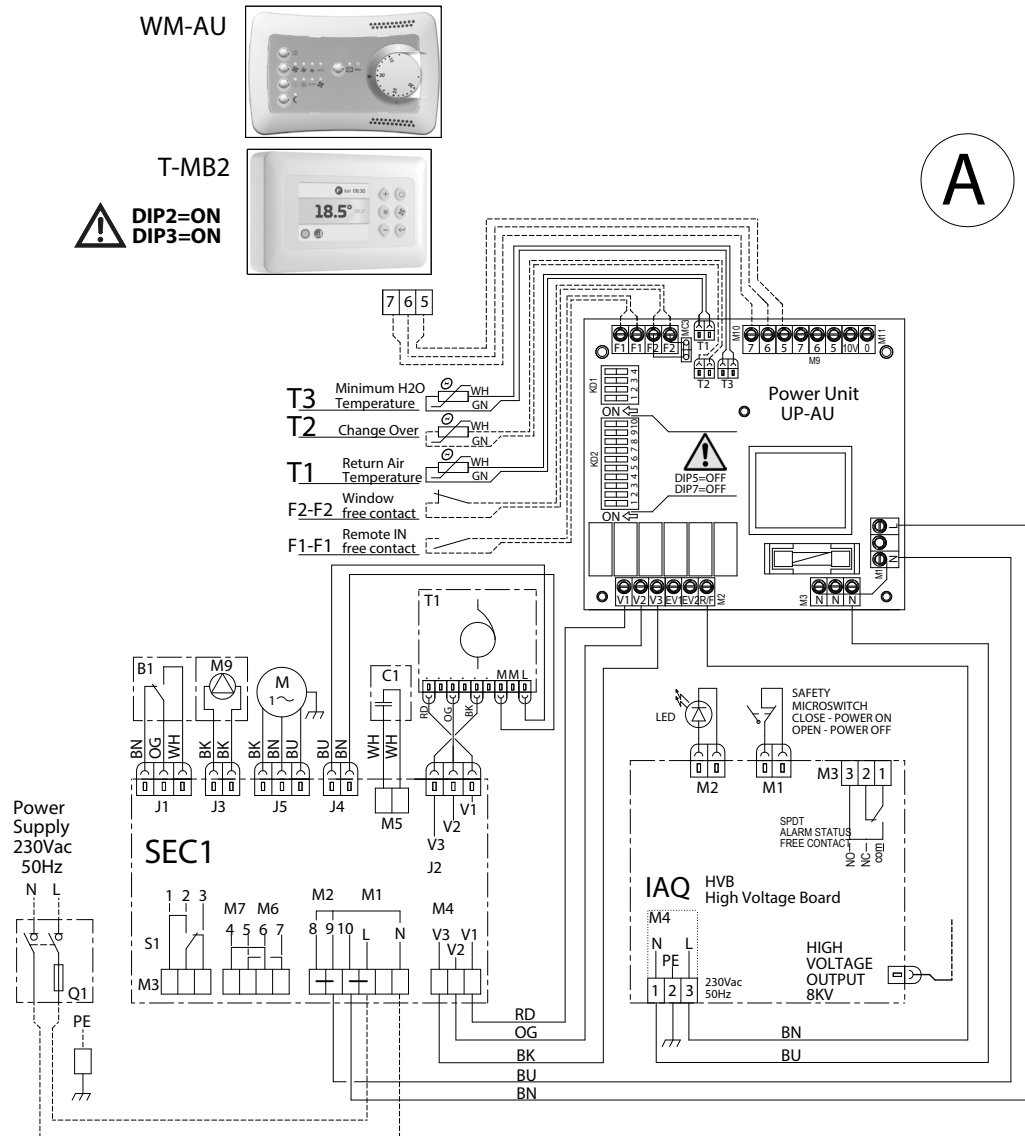
**B**



**!** DIP2=ON  
DIP3=ON

- T2 Change Over
- T1 Return Air Temperature
- F2-F2 Window free contact
- F1-F1 Remote IN free contact

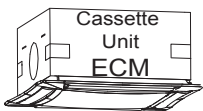
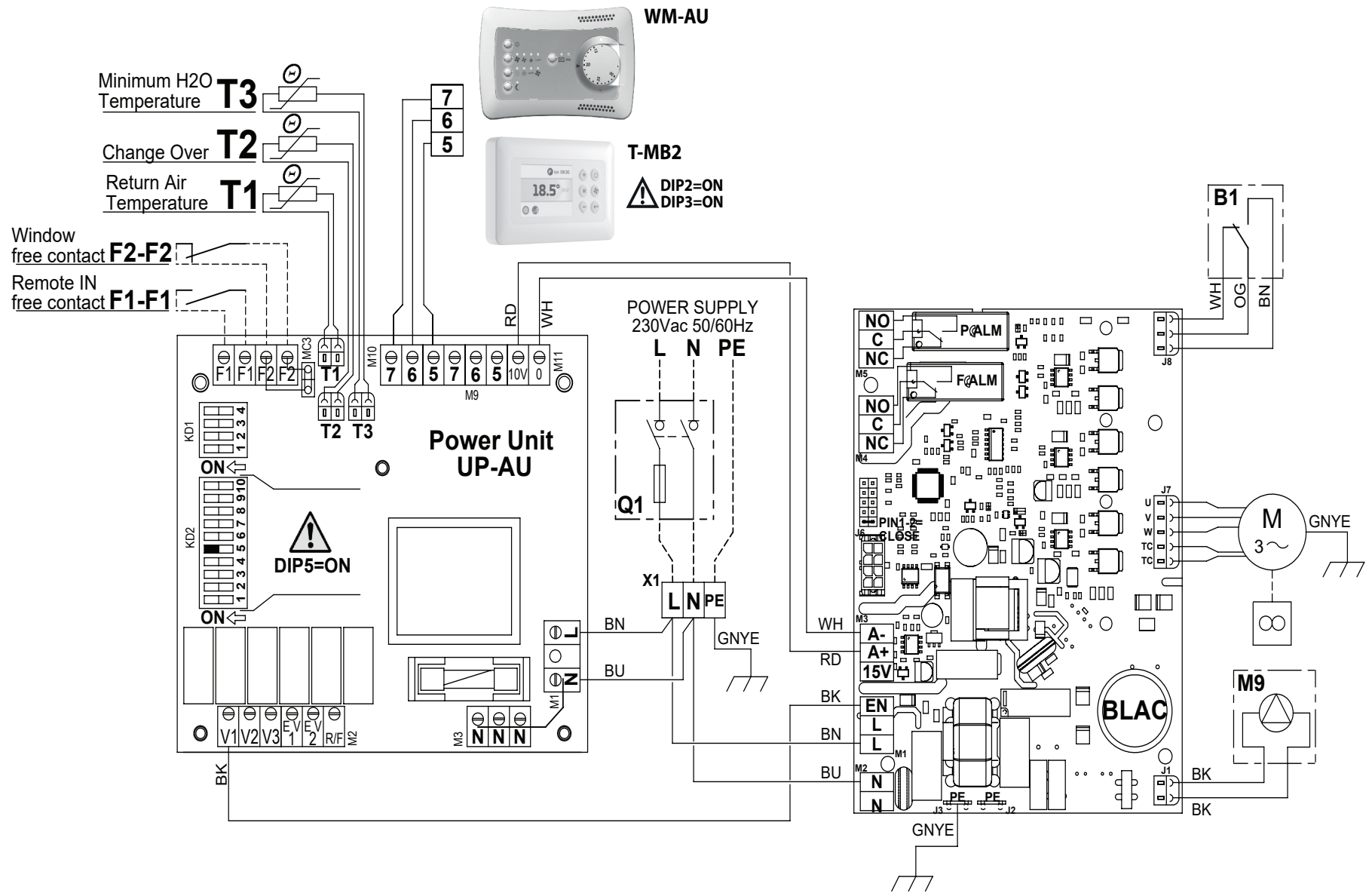




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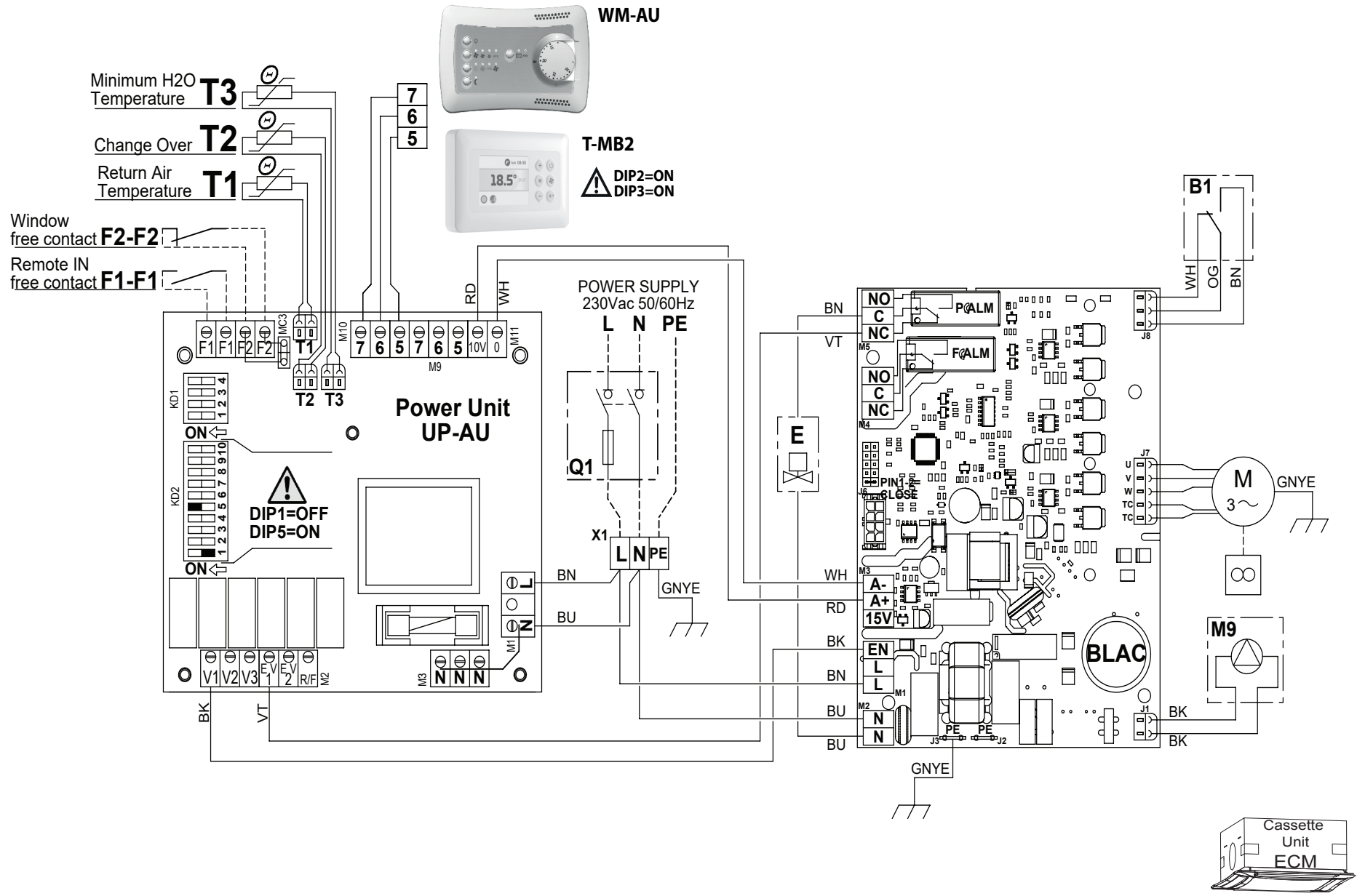


**A**



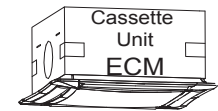
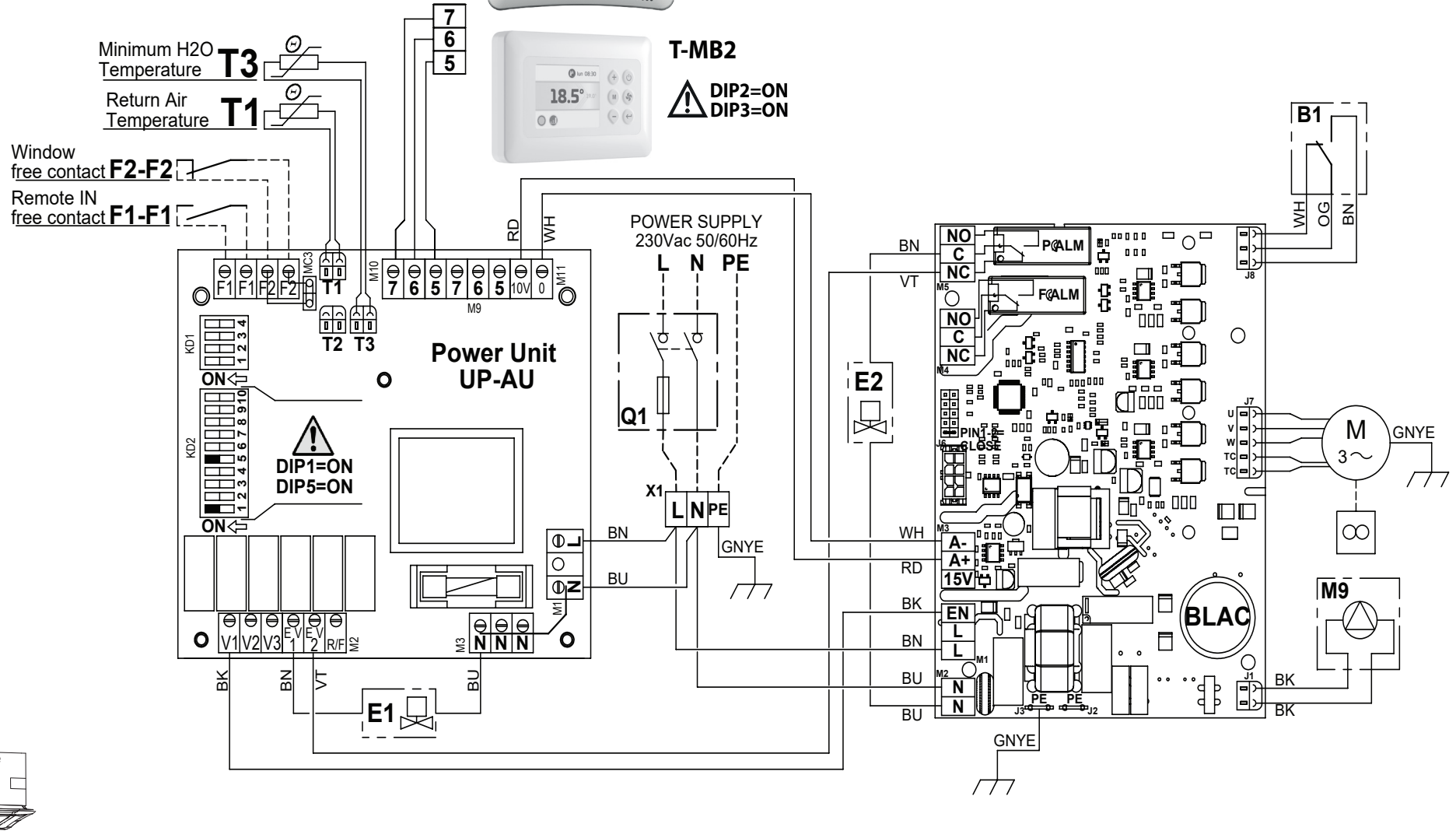
**SE-0389-01**

**B**



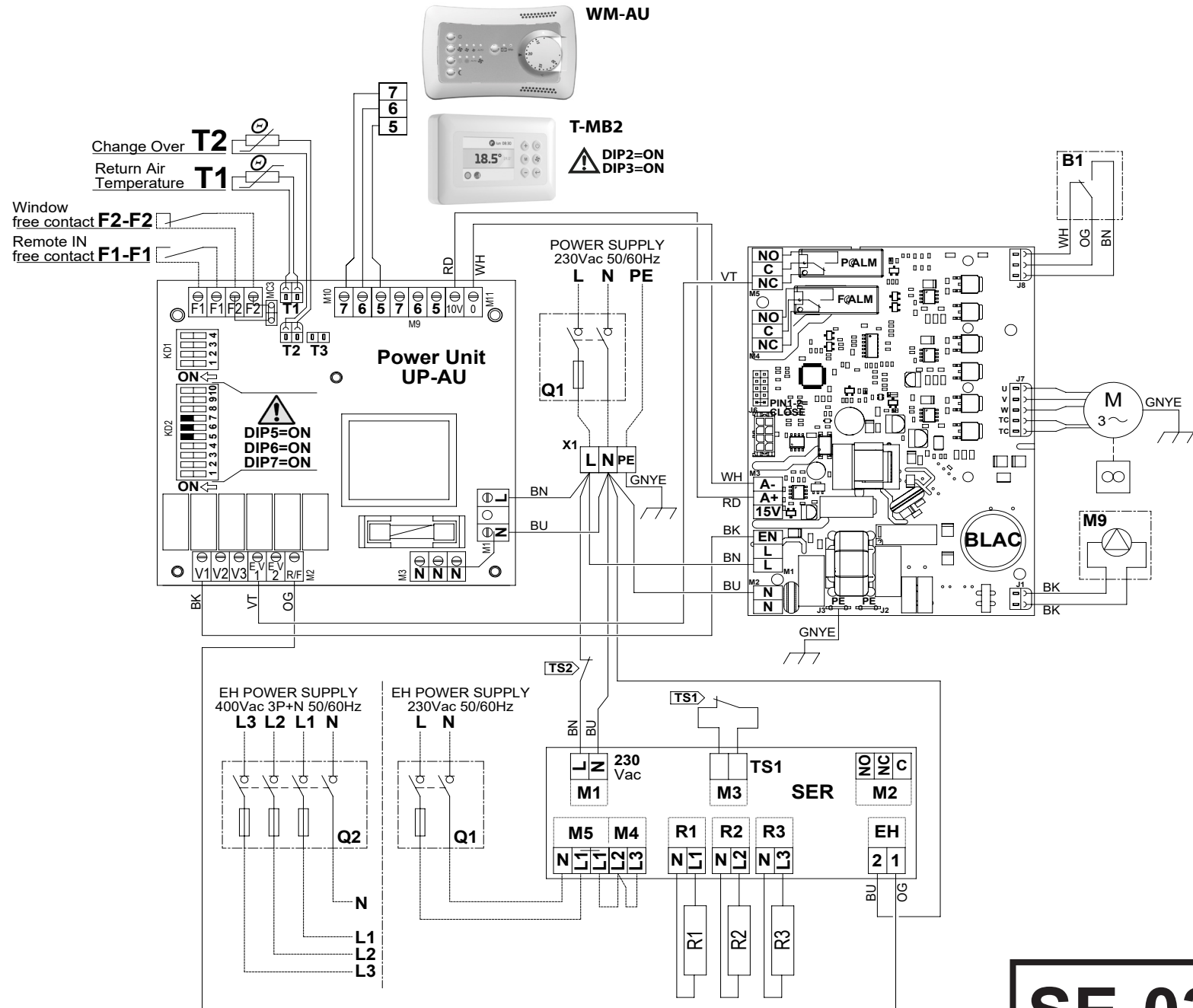
**SE-0389-02**

**C**



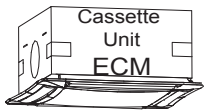
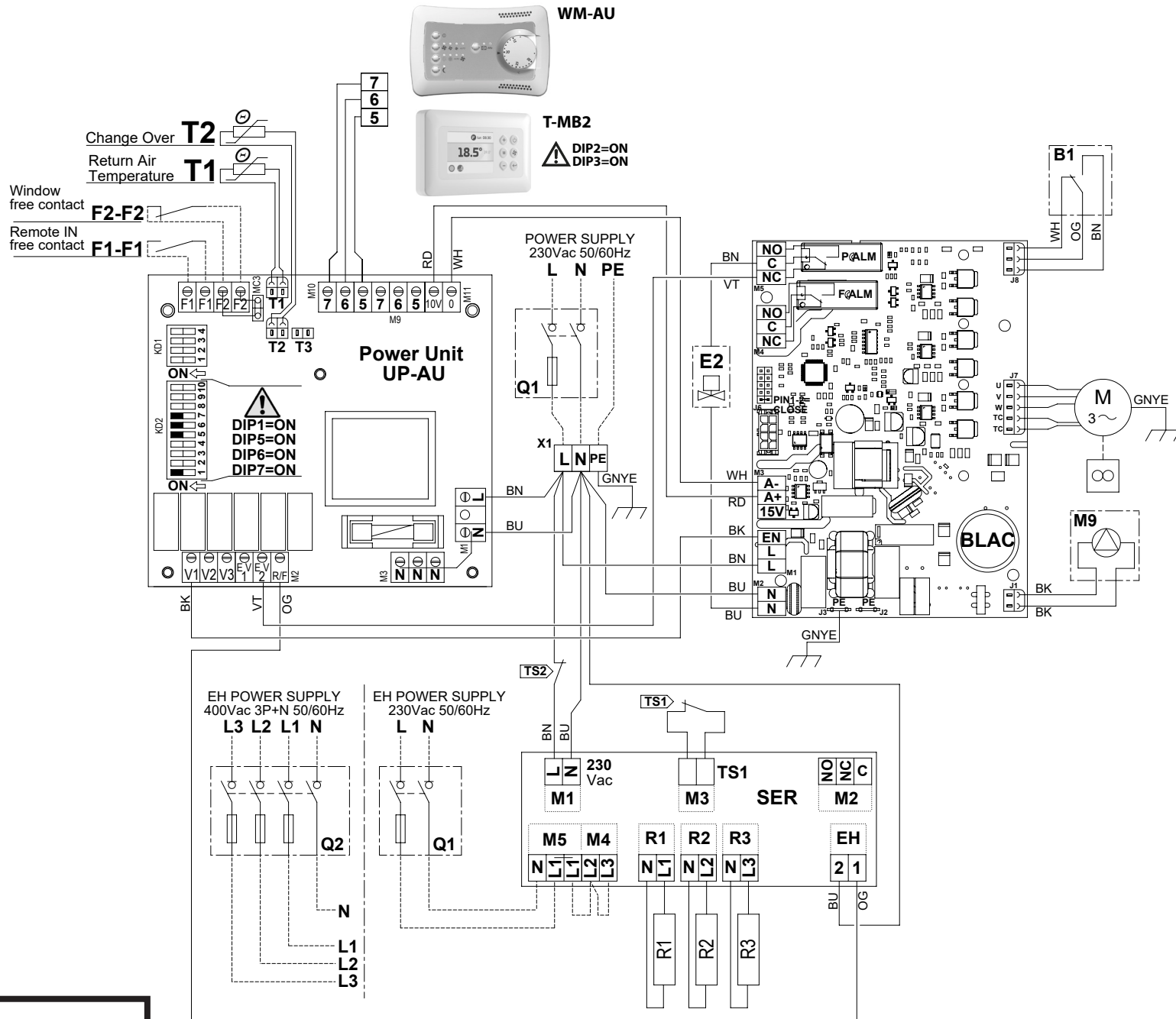
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**A**



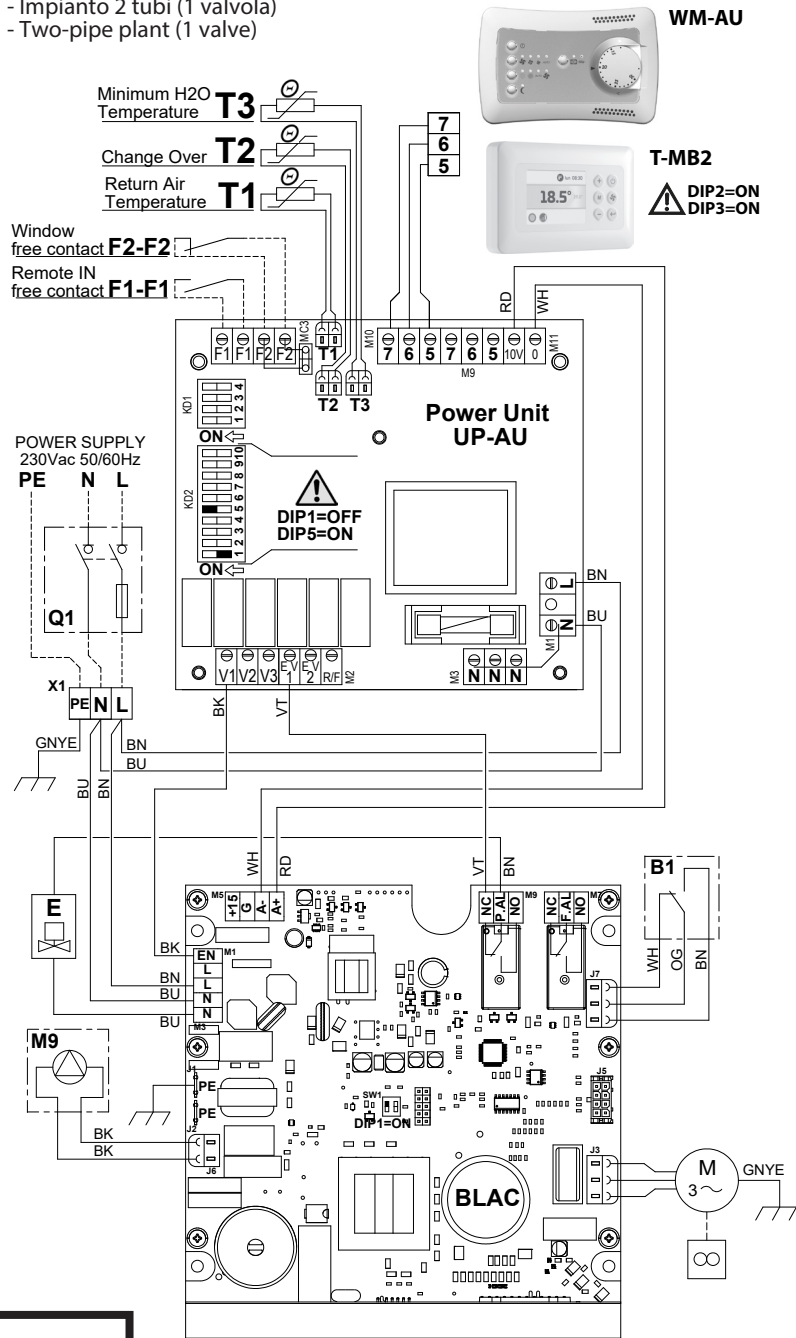
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**B**



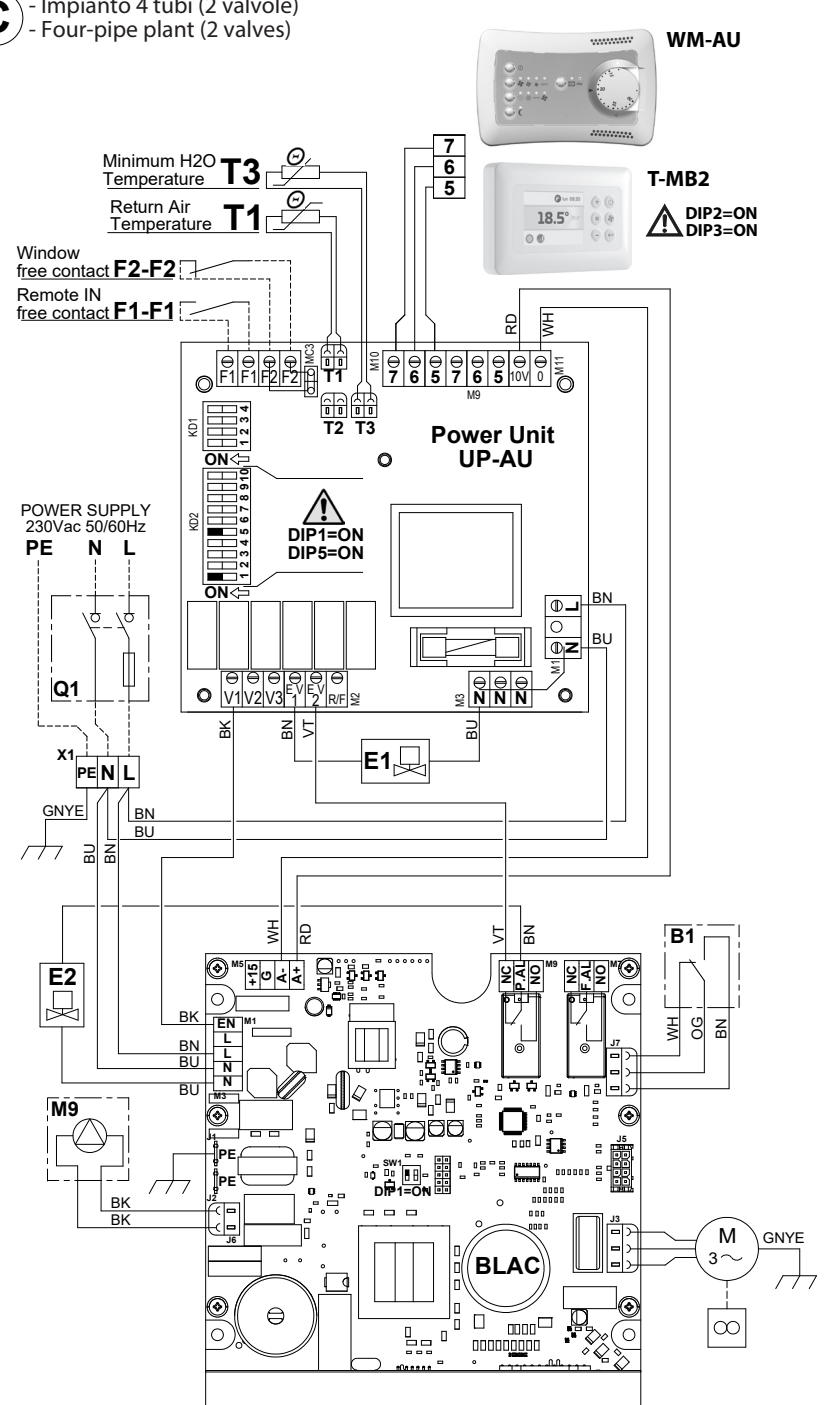
**SE-0390-02**

- B** - Impianto 2 tubi (1 valvola)  
 - Two-pipe plant (1 valve)



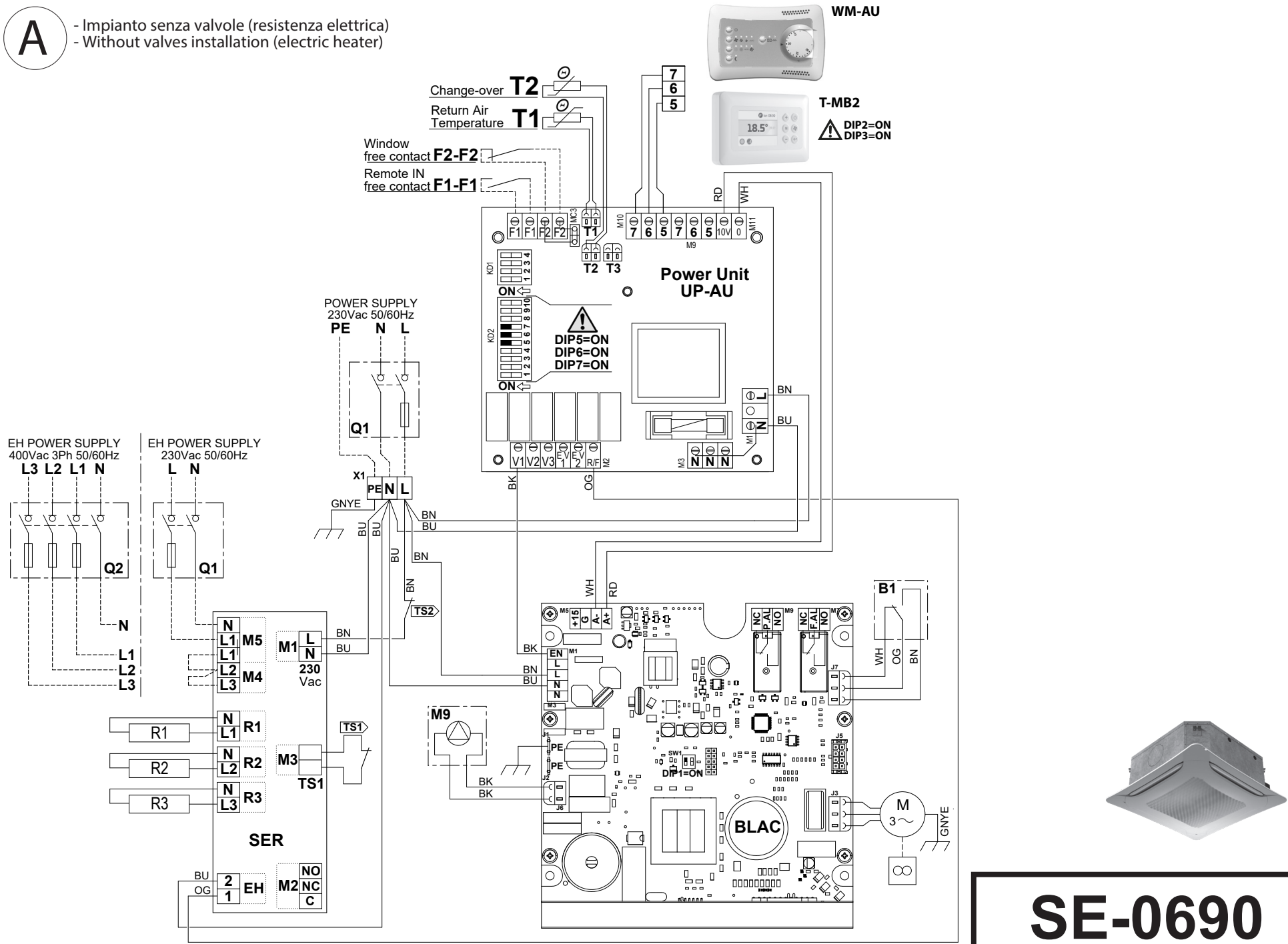
**SE-0689**

- C** - Impianto 4 tubi (2 valvole)  
 - Four-pipe plant (2 valves)



**A**

- Impianto senza valvole (resistenza elettrica)
- Without valves installation (electric heater)



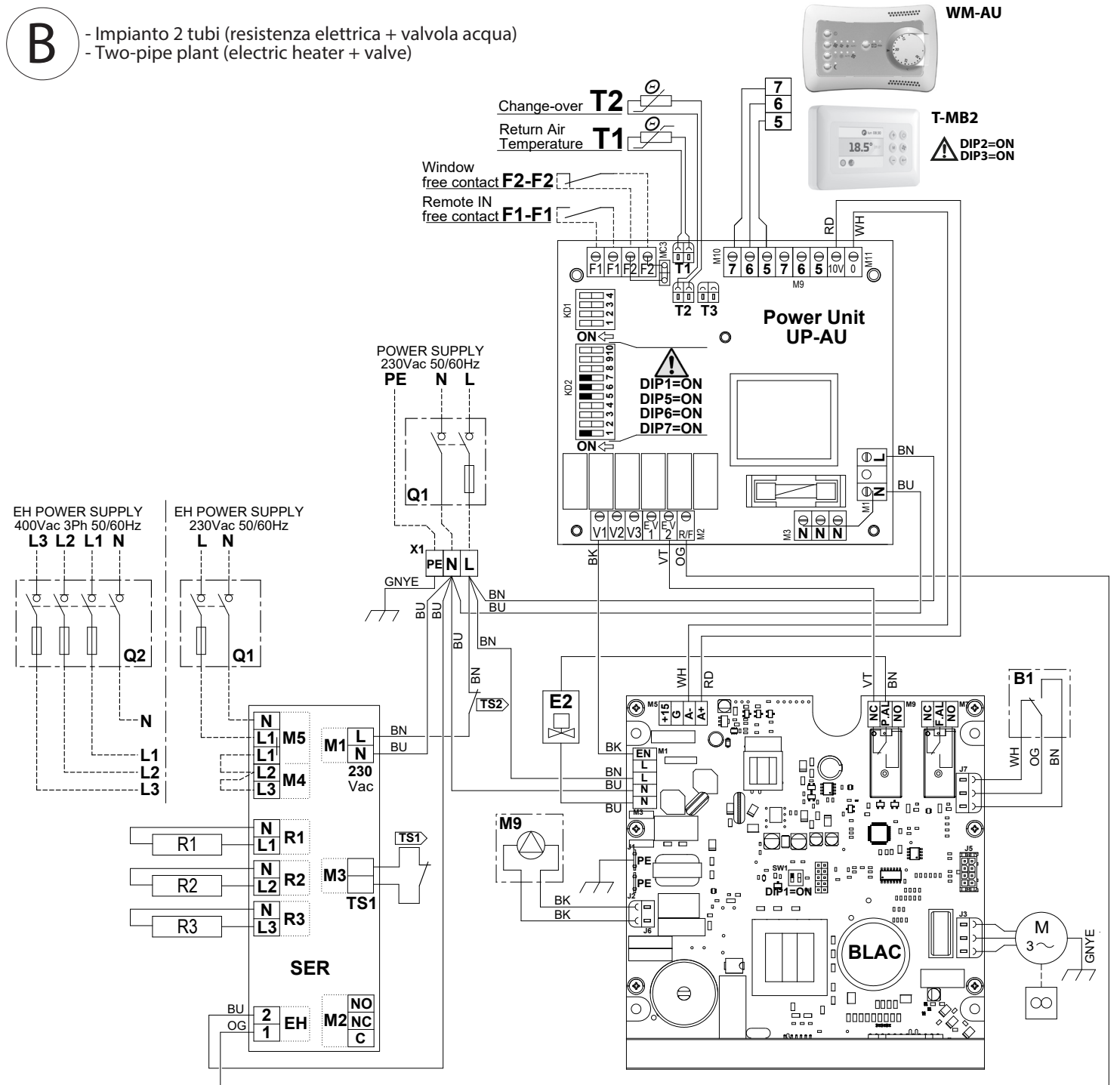
**SE-0690**

**B**

- Impianto 2 tubi (resistenza elettrica + valvola acqua)  
- Two-pipe plant (electric heater + valve)



**SE-0690**

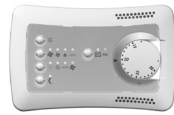




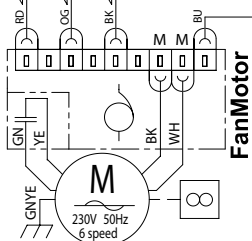
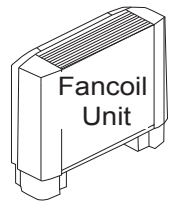
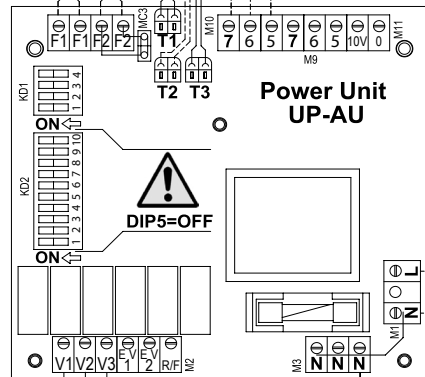
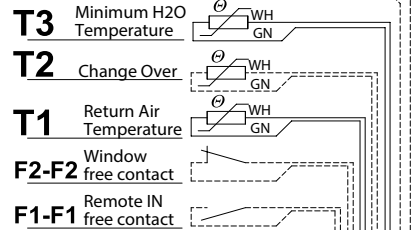
**A**

WM-AU

T-MB2

⚠️ DIP2=ON  
DIP3=ON

7 6 5

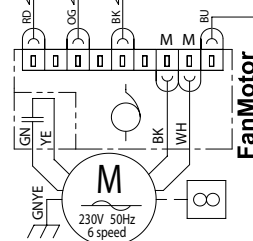
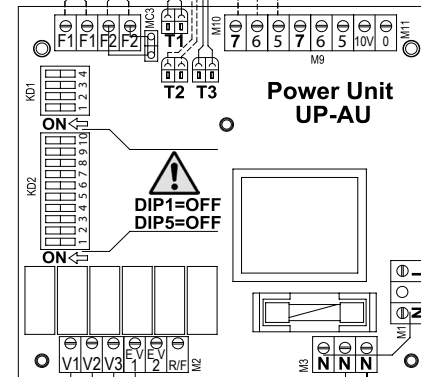
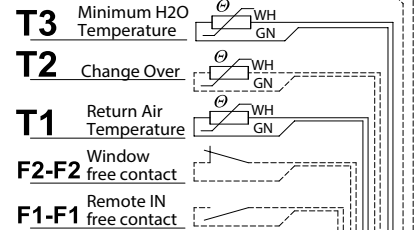
**SE-0483****B**

WM-AU

T-MB2

⚠️ DIP2=ON  
DIP3=ON

7 6 5

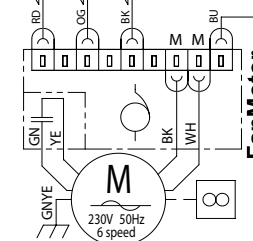
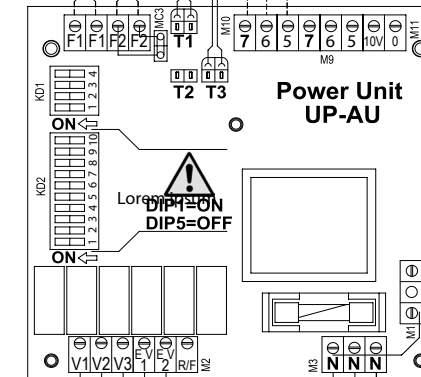
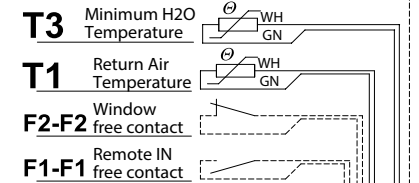
**C**

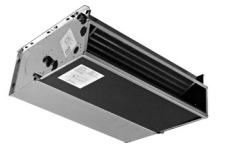
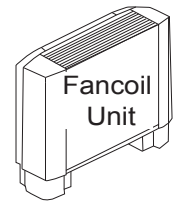
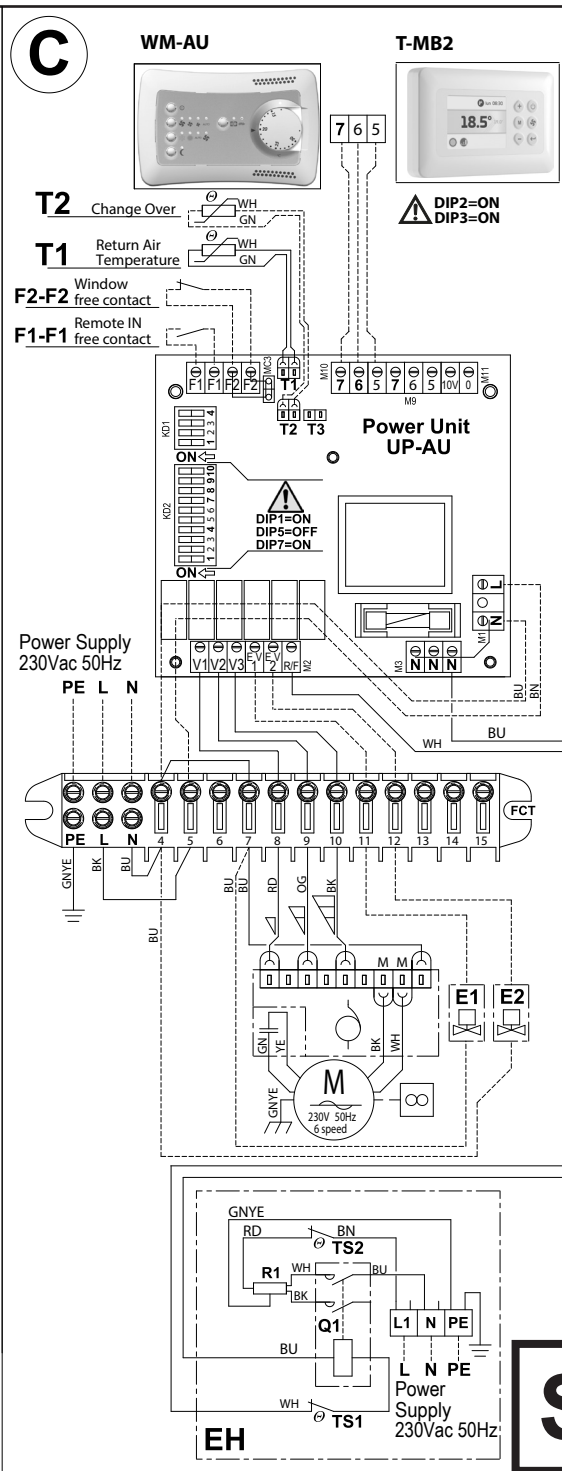
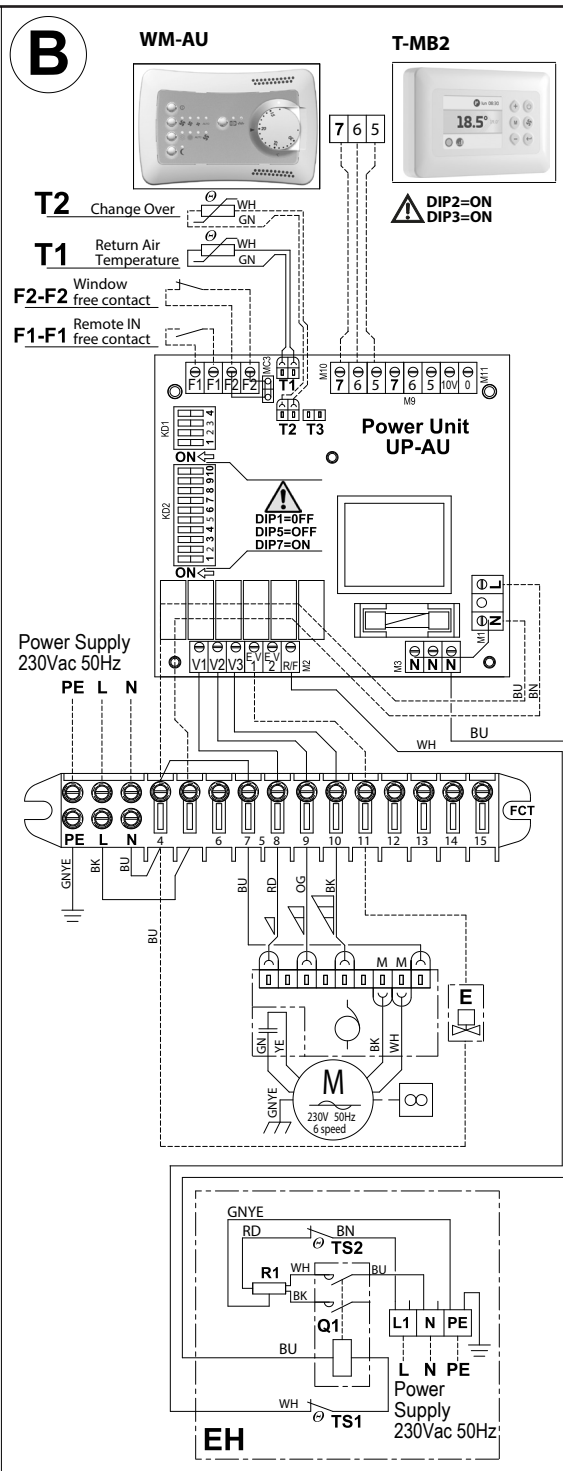
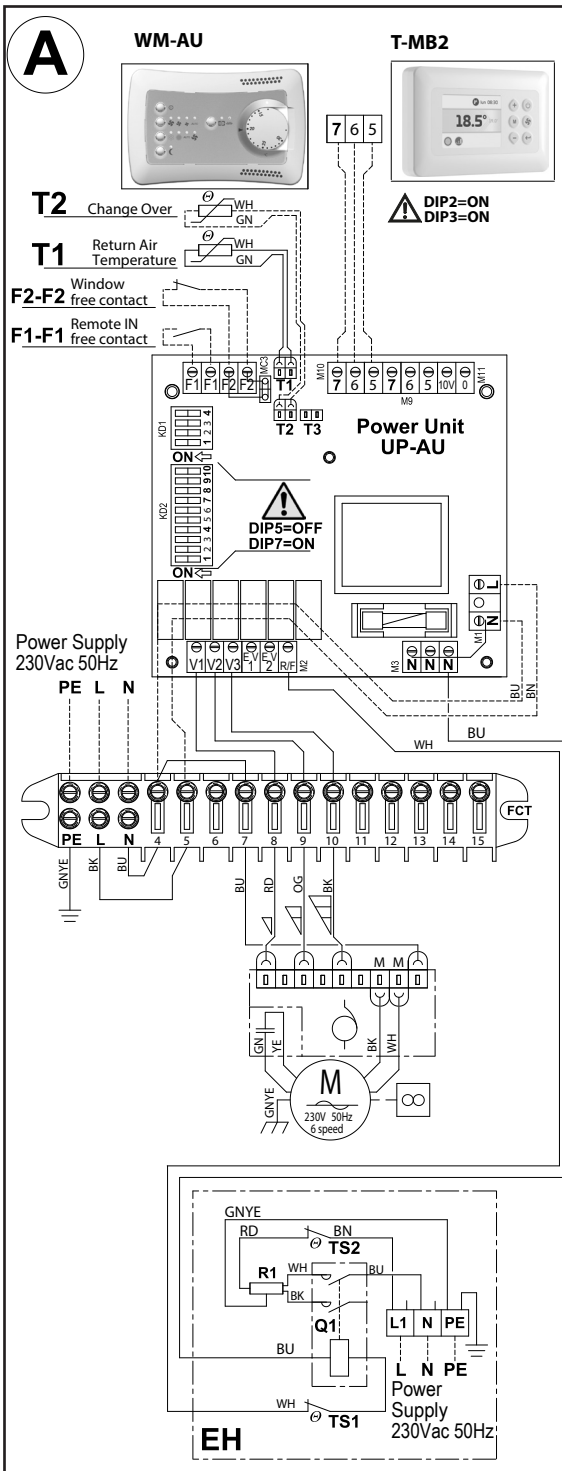
WM-AU

T-MB2

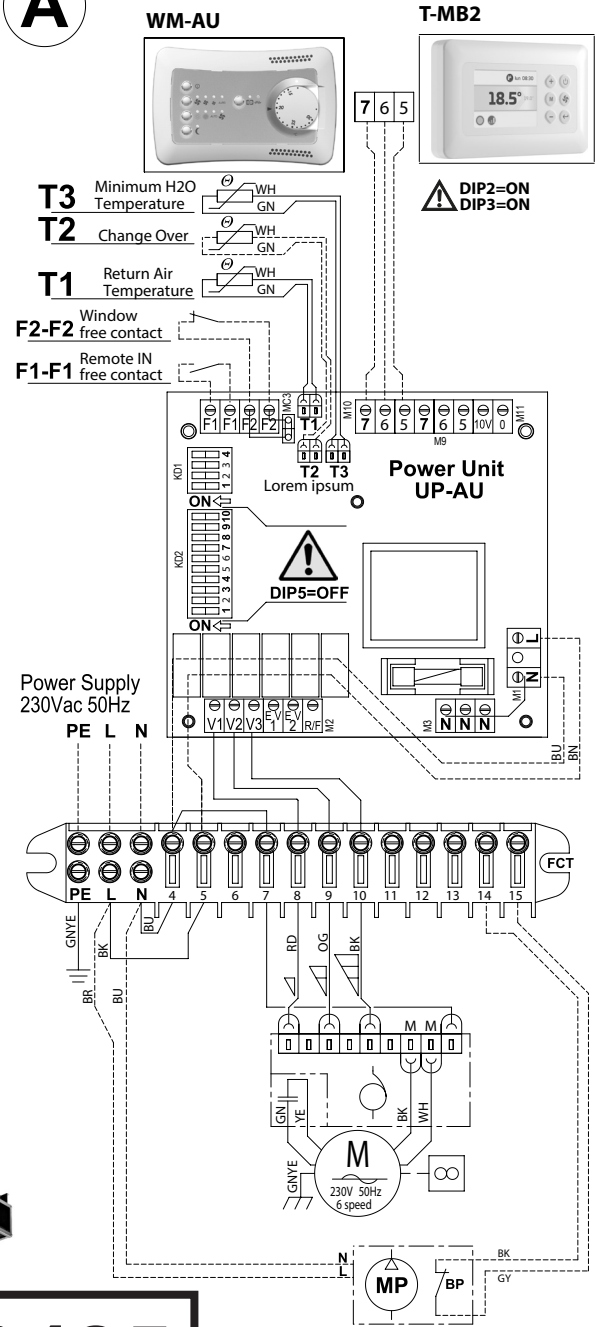
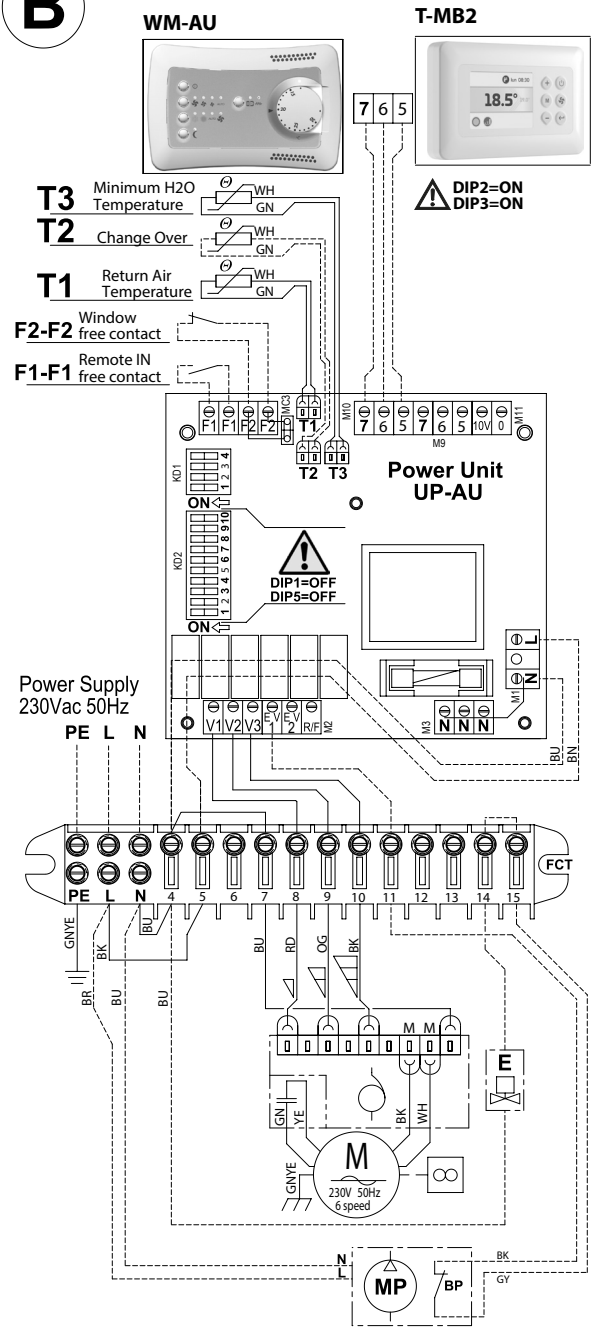
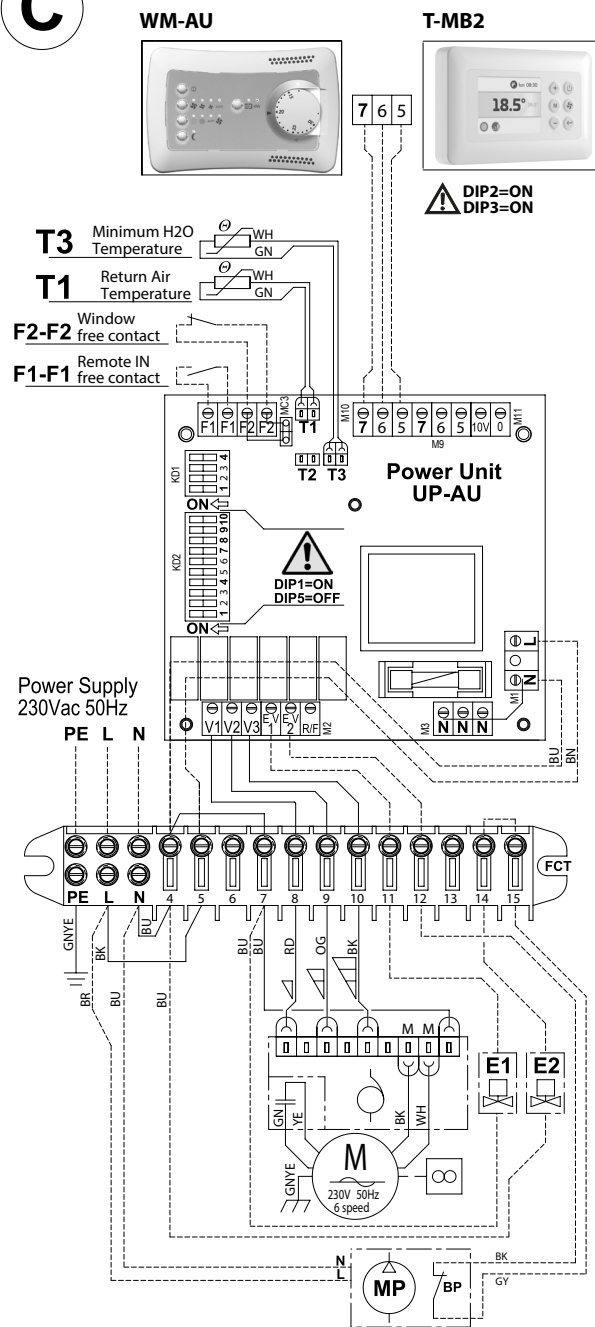
⚠️ DIP2=ON  
DIP3=ON

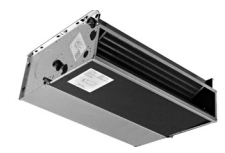
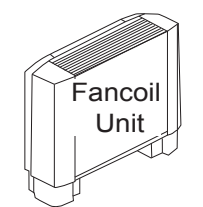
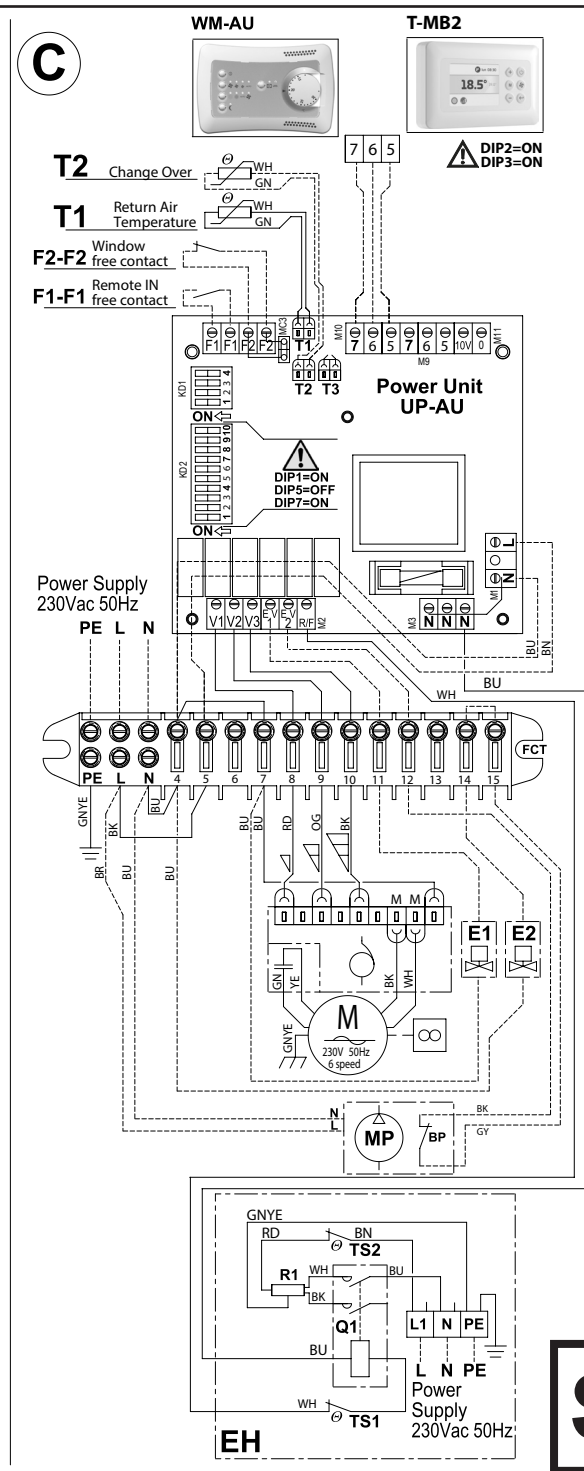
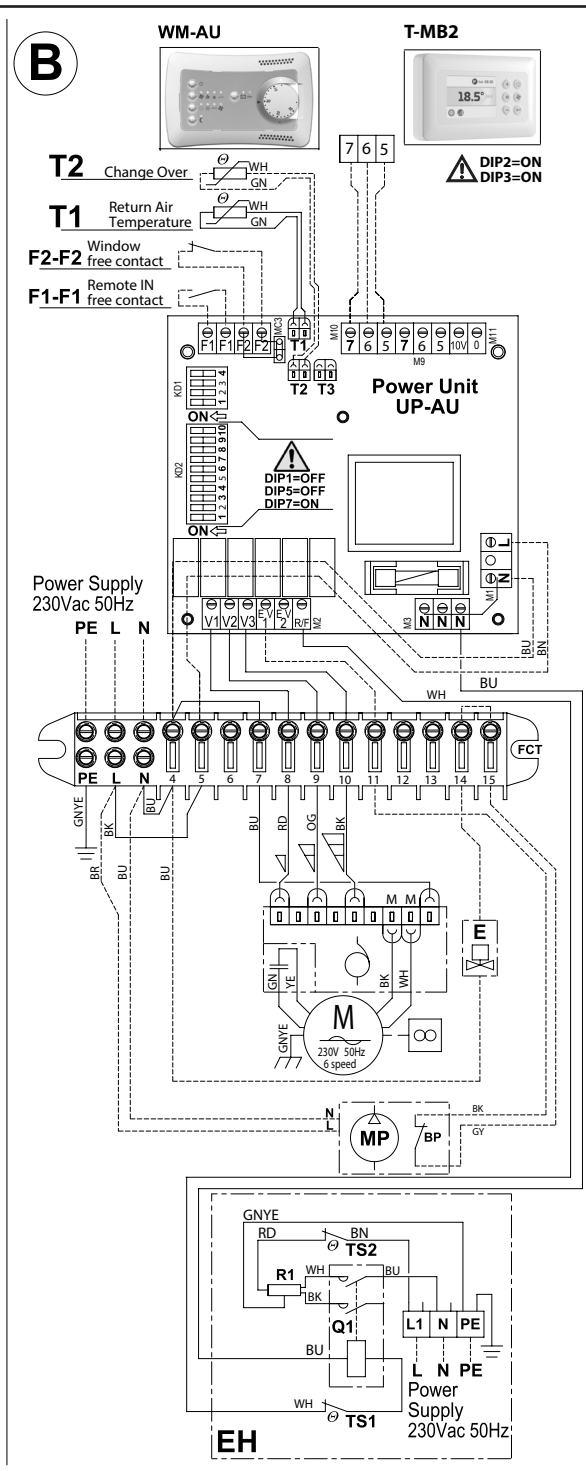
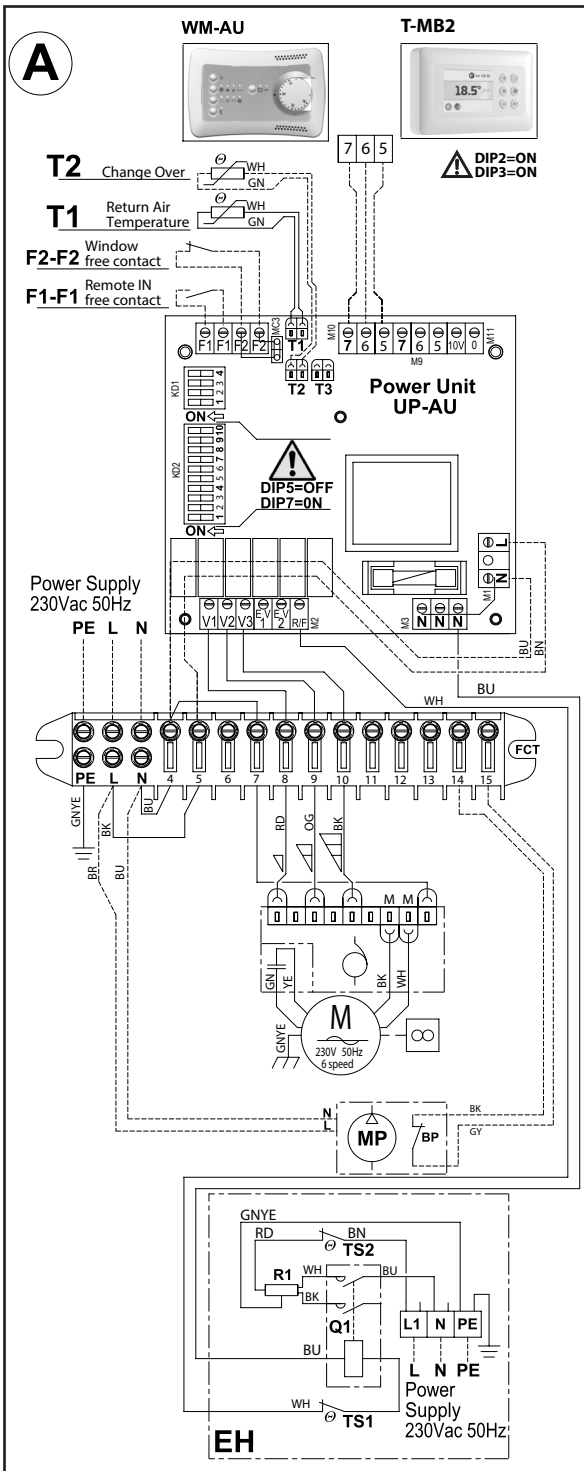
7 6 5



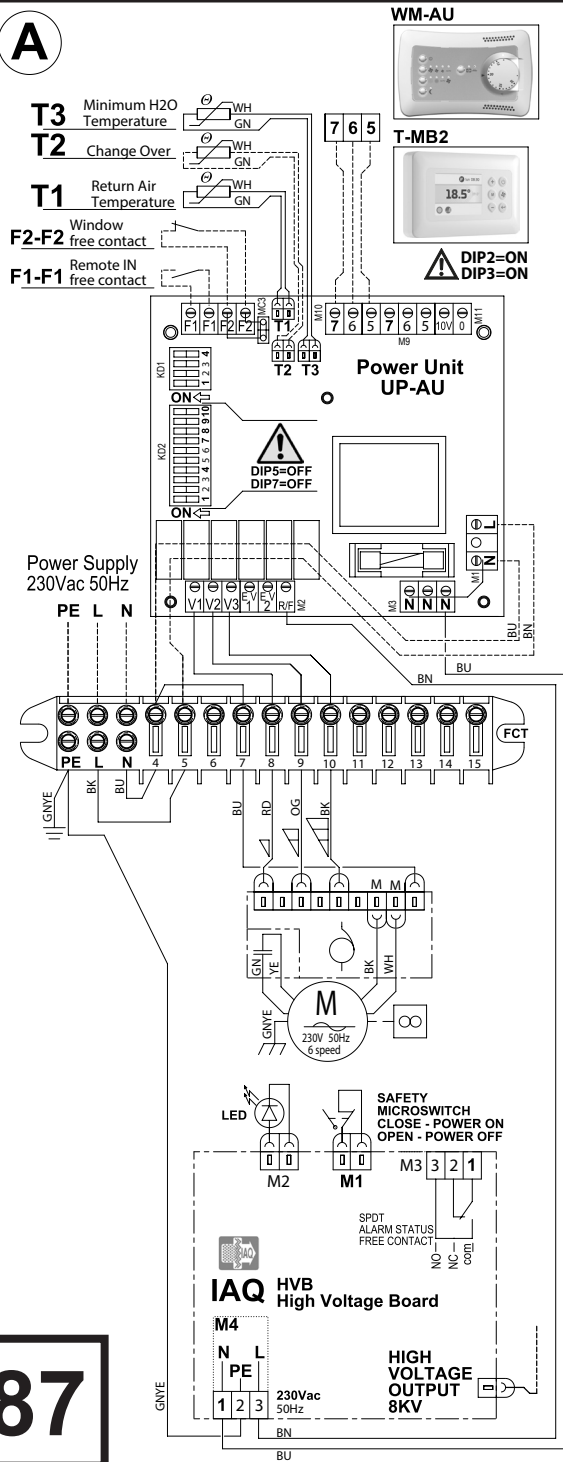
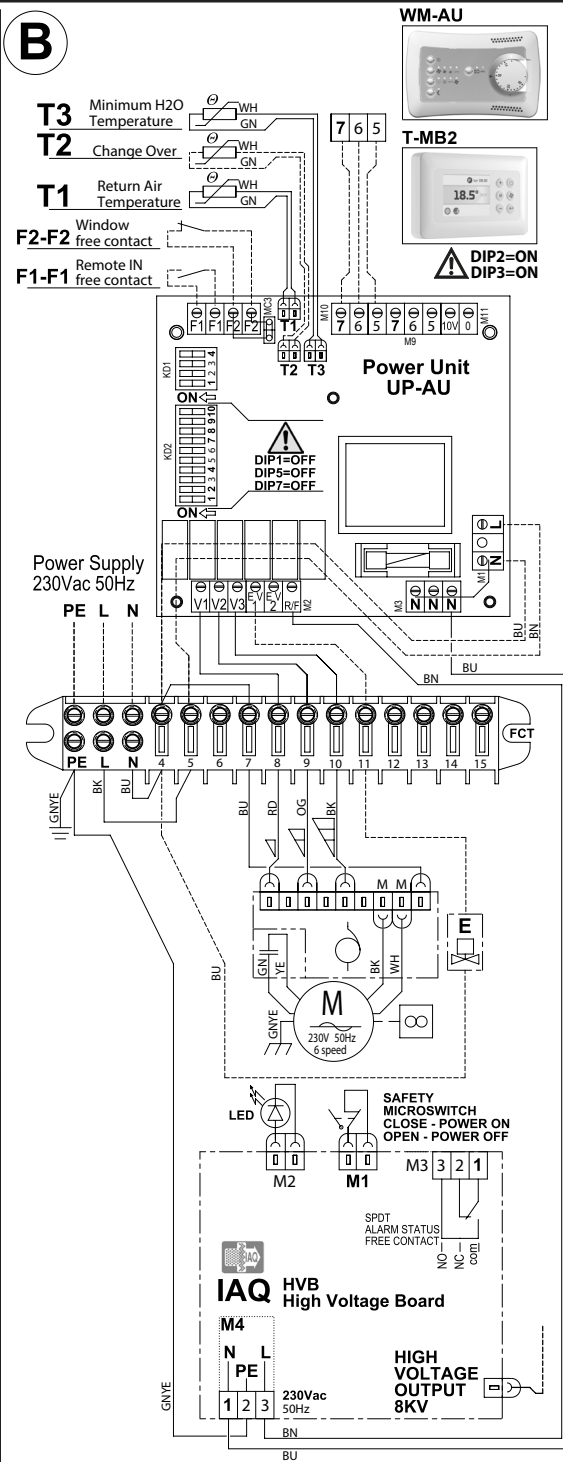
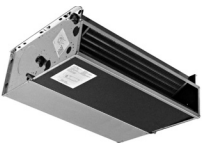
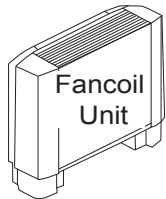
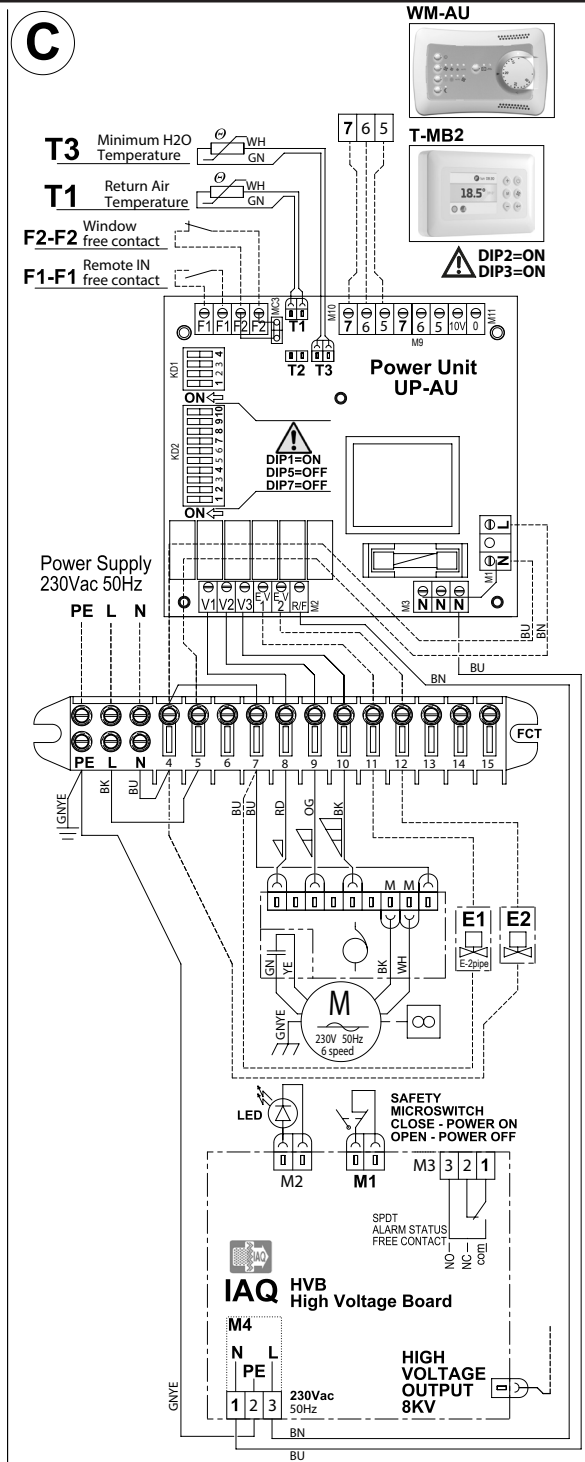


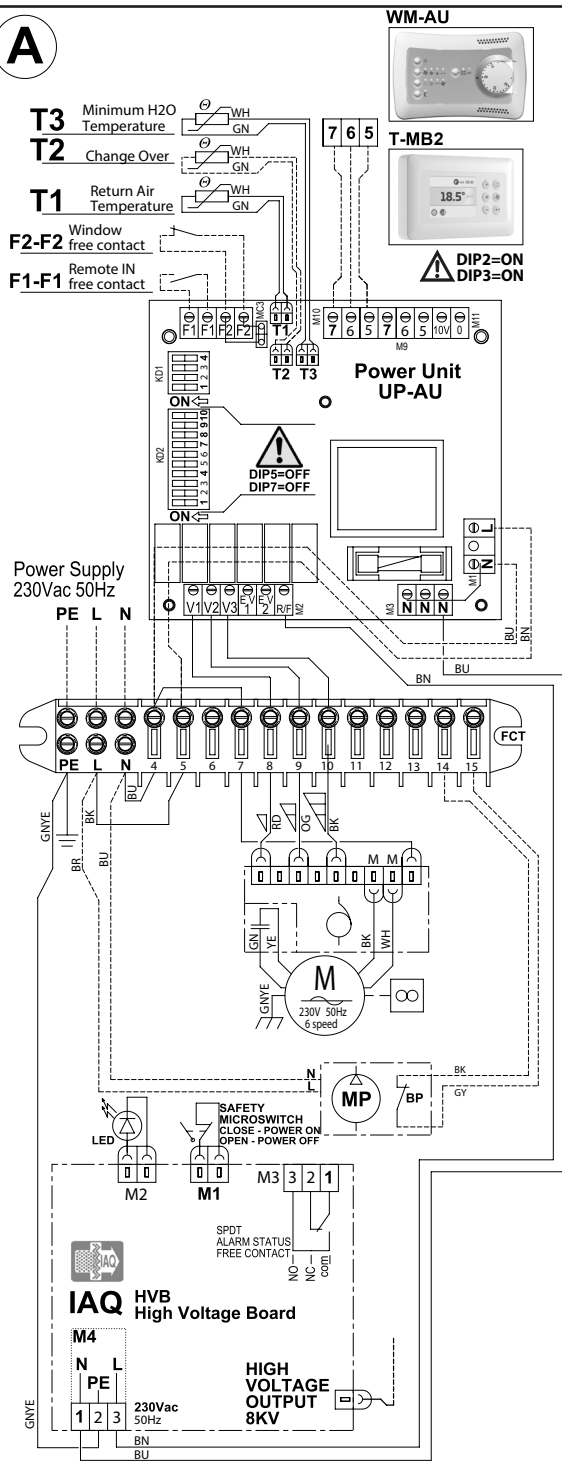
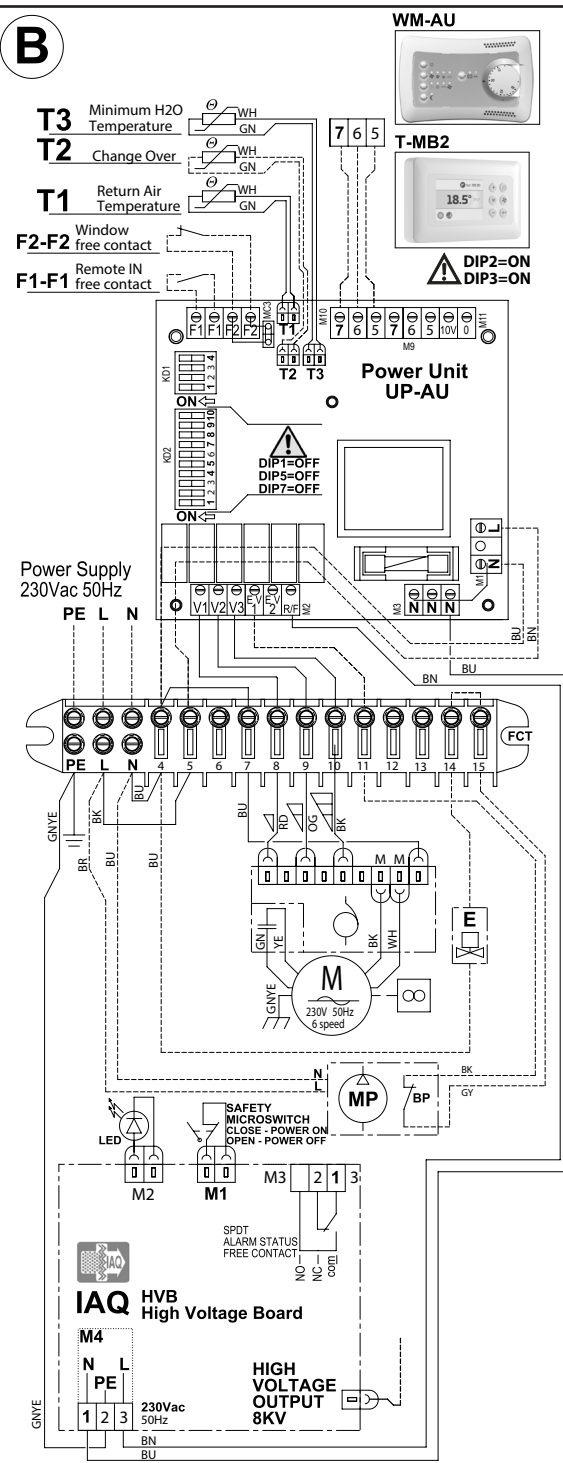
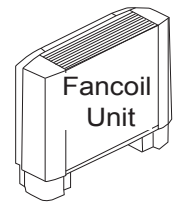
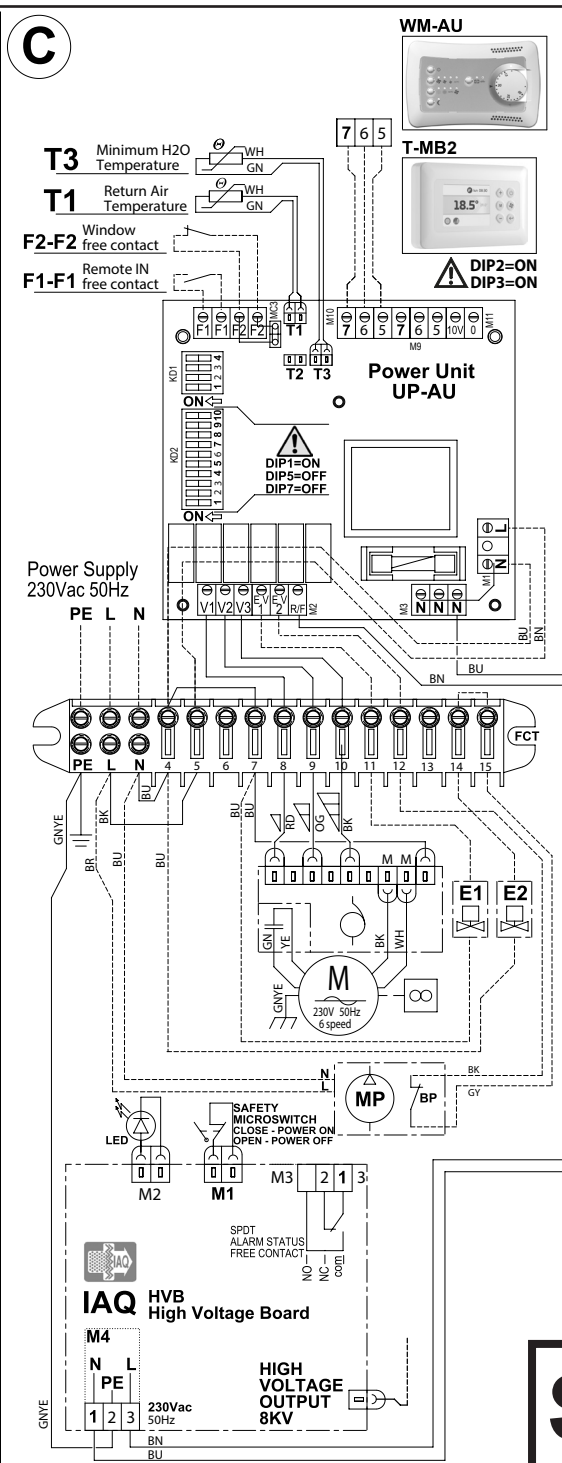
**SE-0484**

**A****B****C****SE-0485**

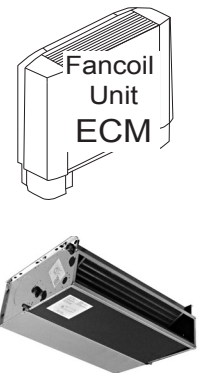
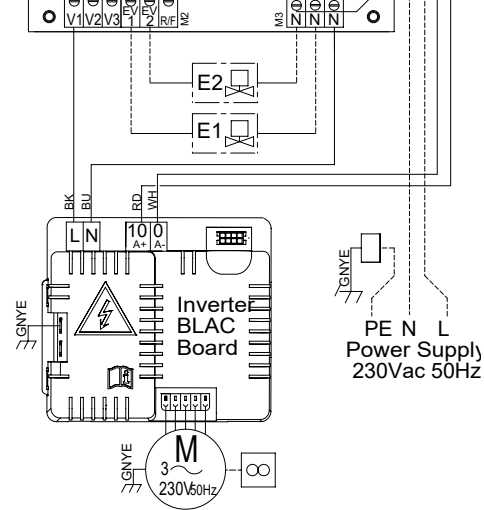
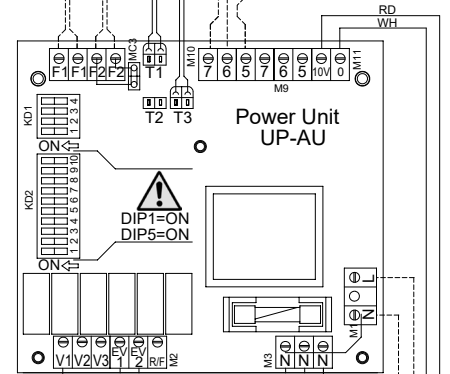
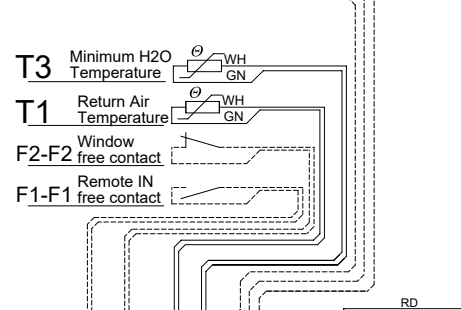
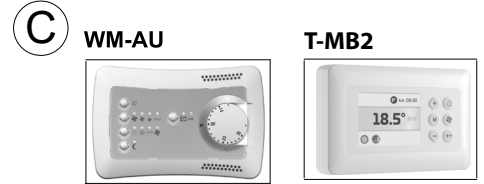
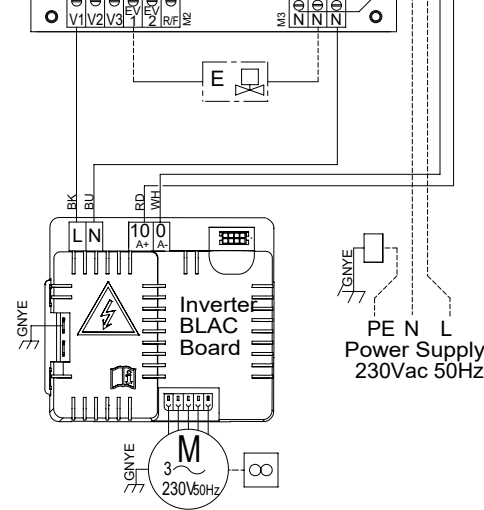
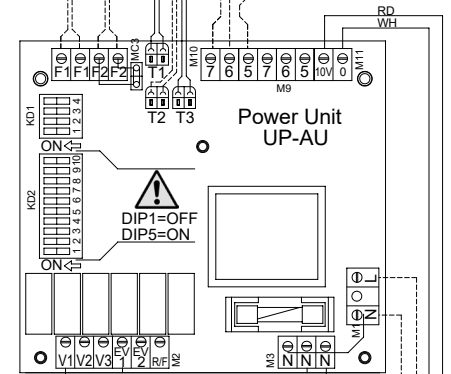
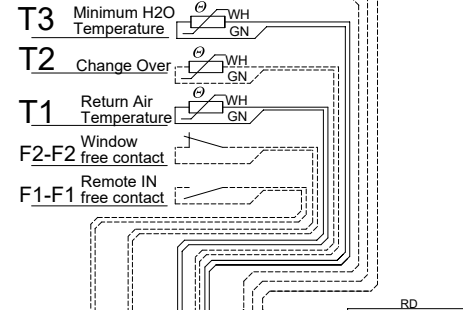
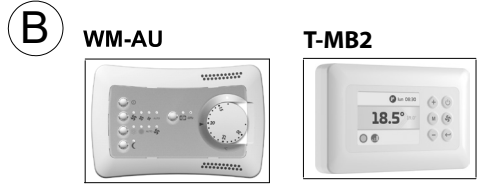
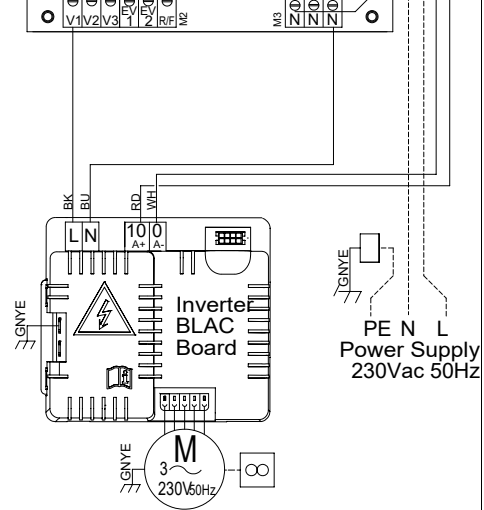
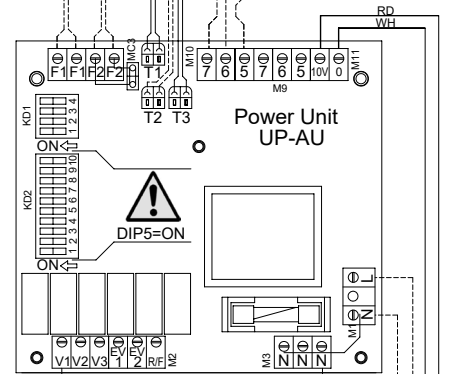
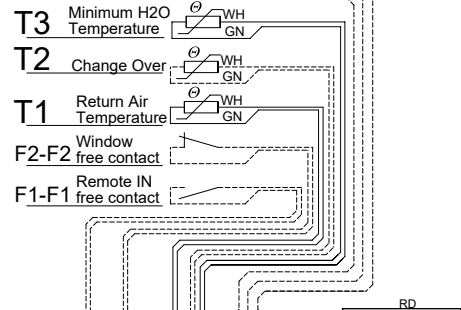
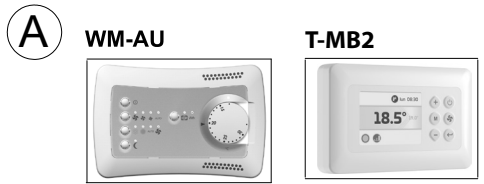


**SE-0486**

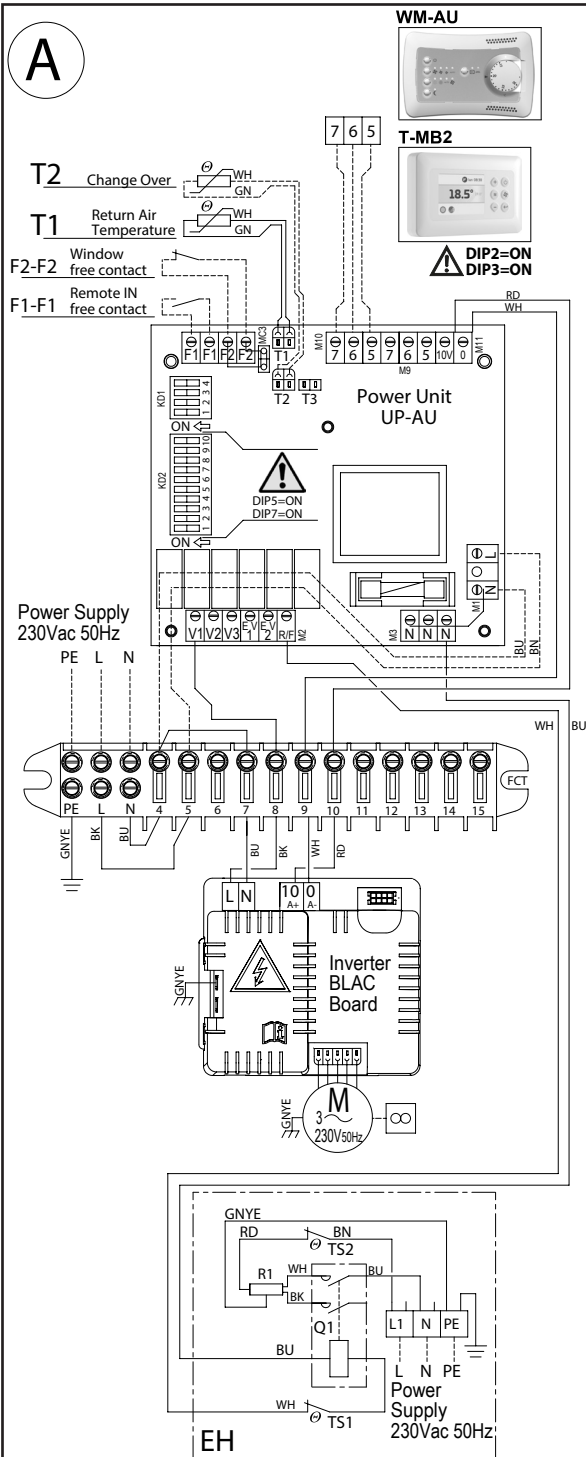
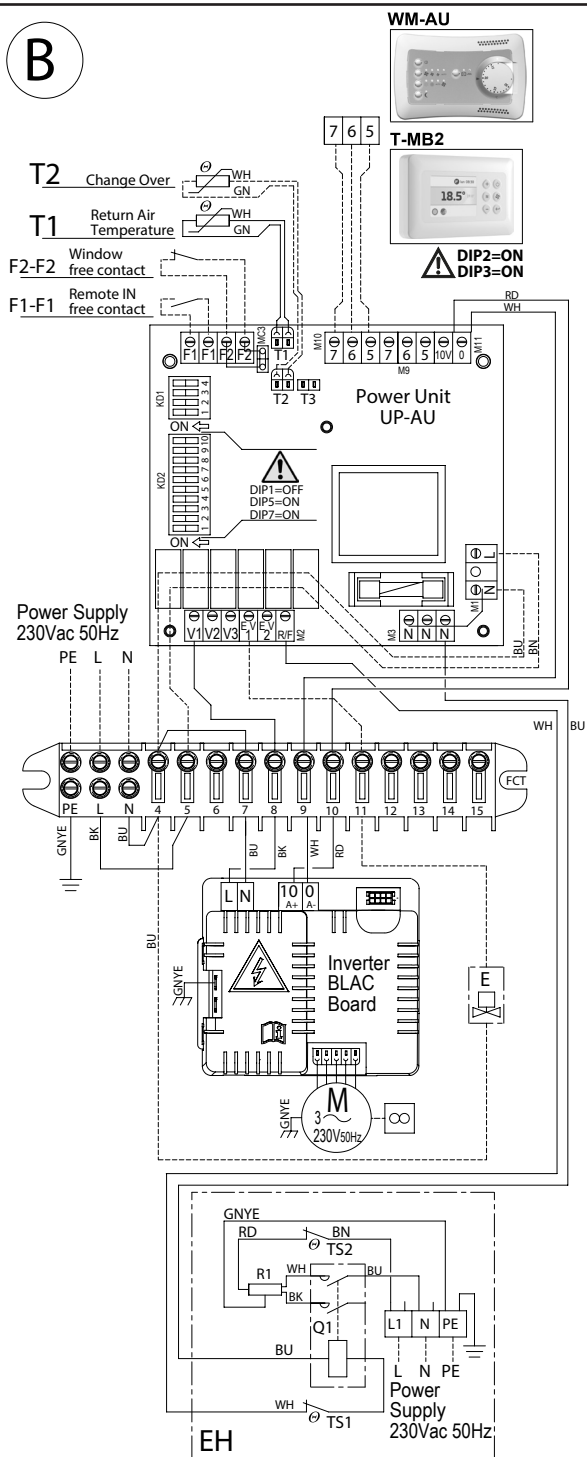
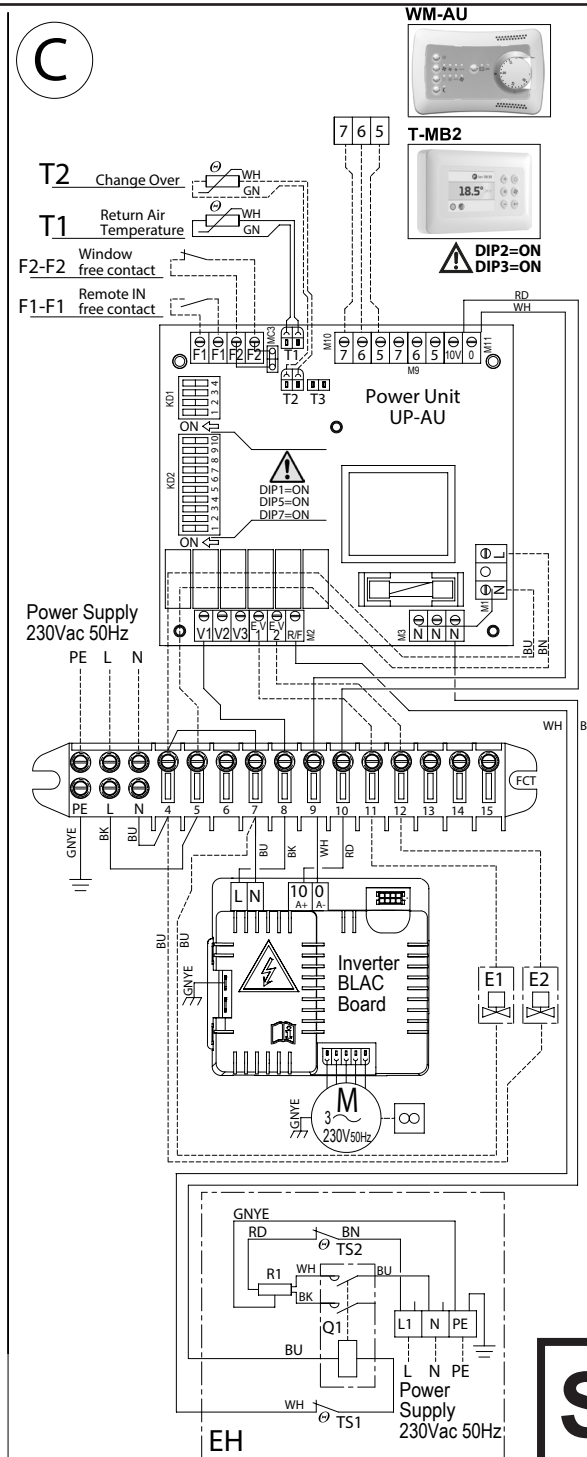
**A****B****C****SE-0487**

**A****B****C**

# SE-0488

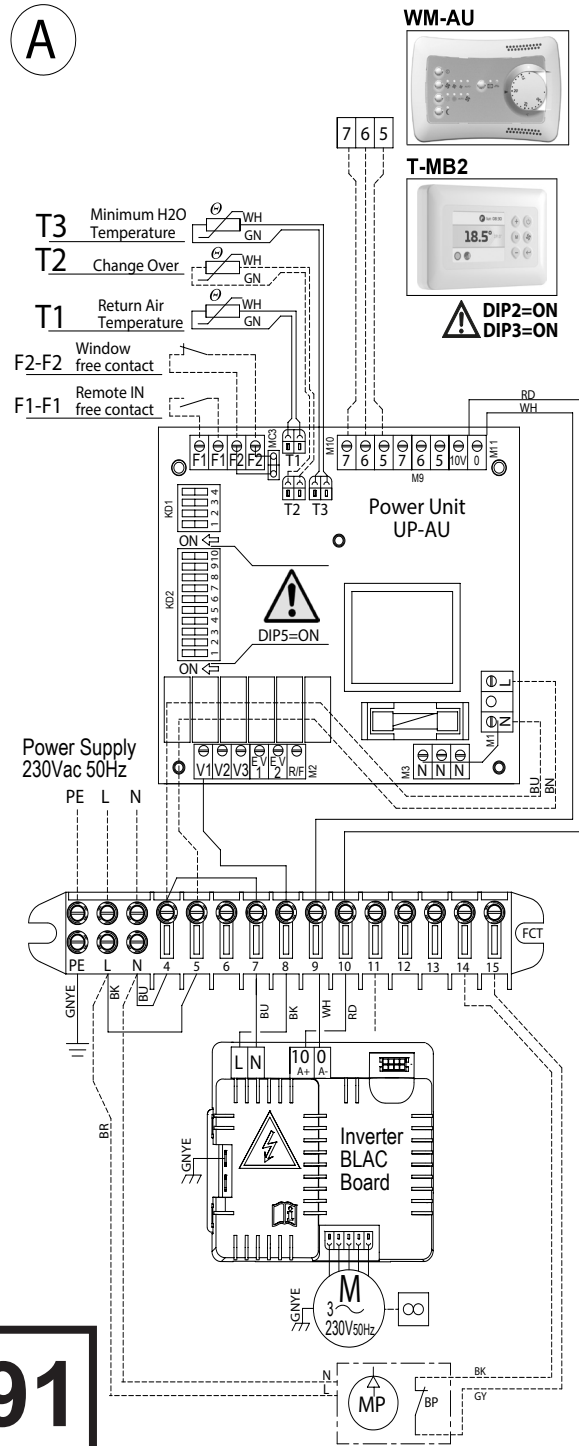


**SE-0489**

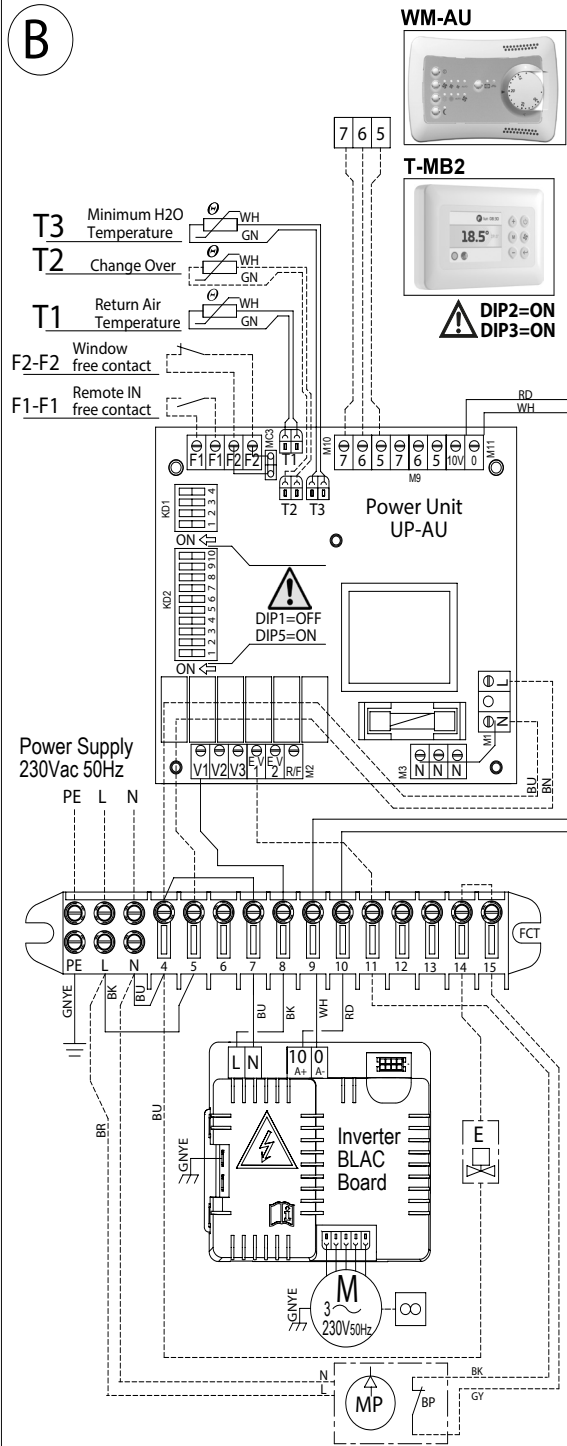
**A****B****C****SE-0490**



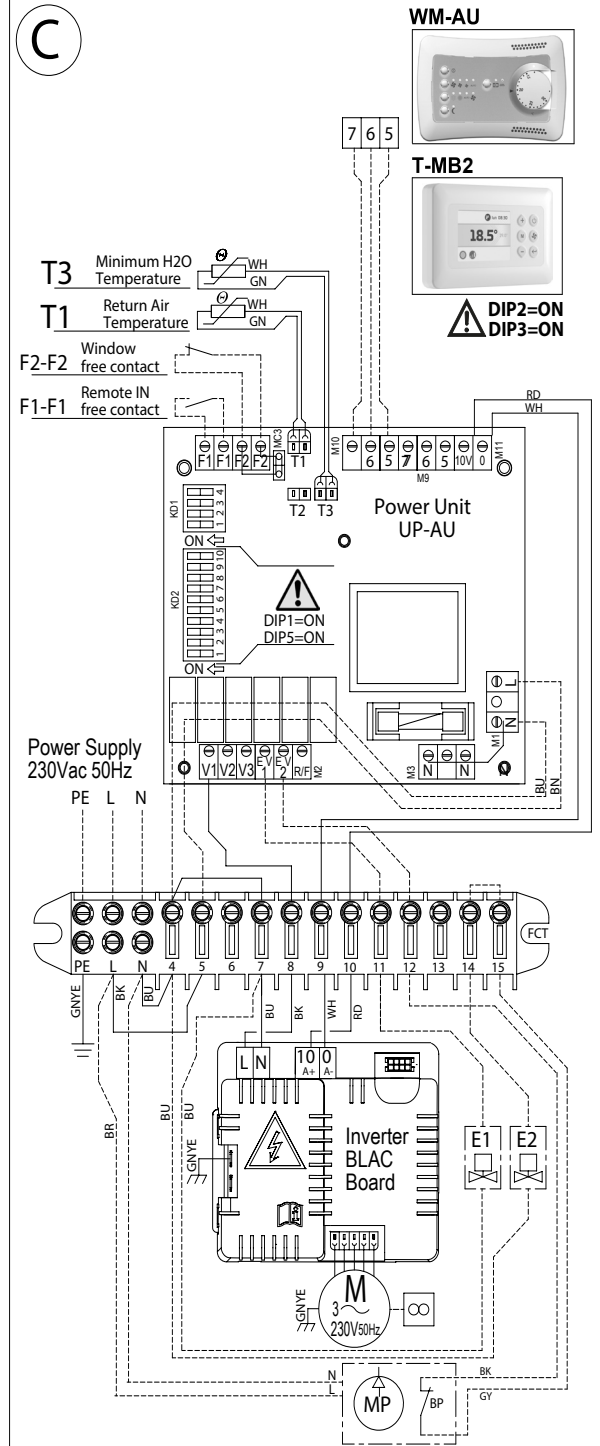
A



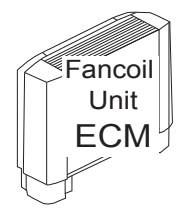
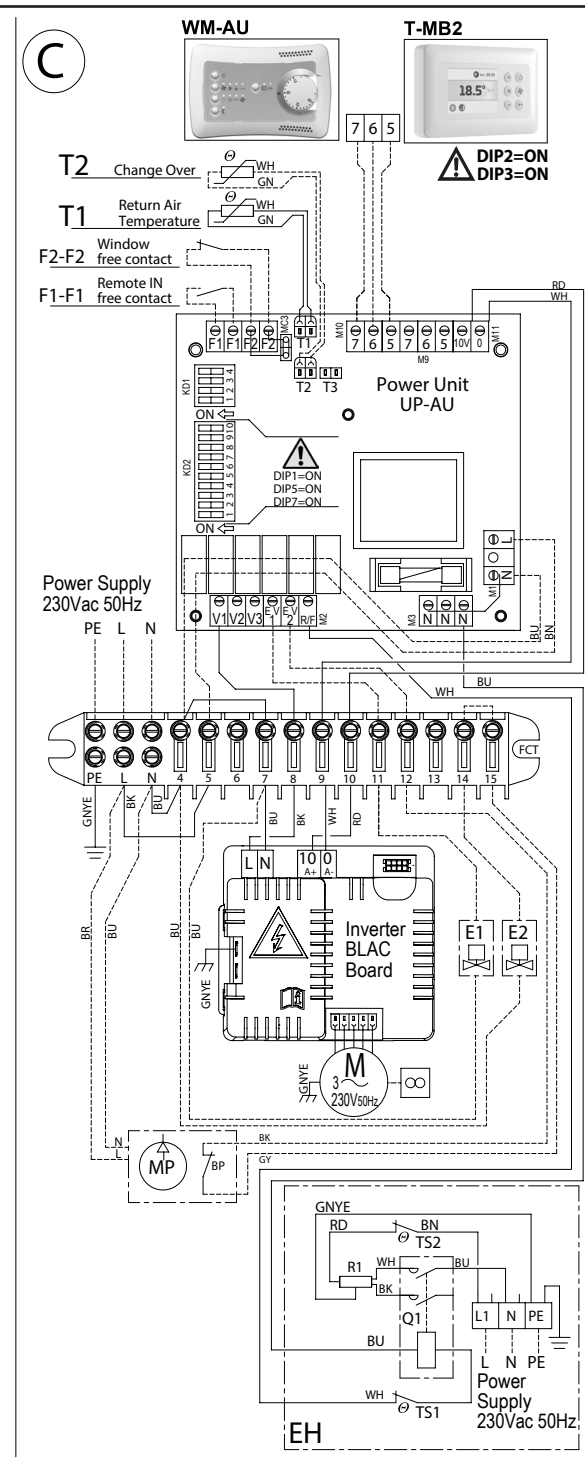
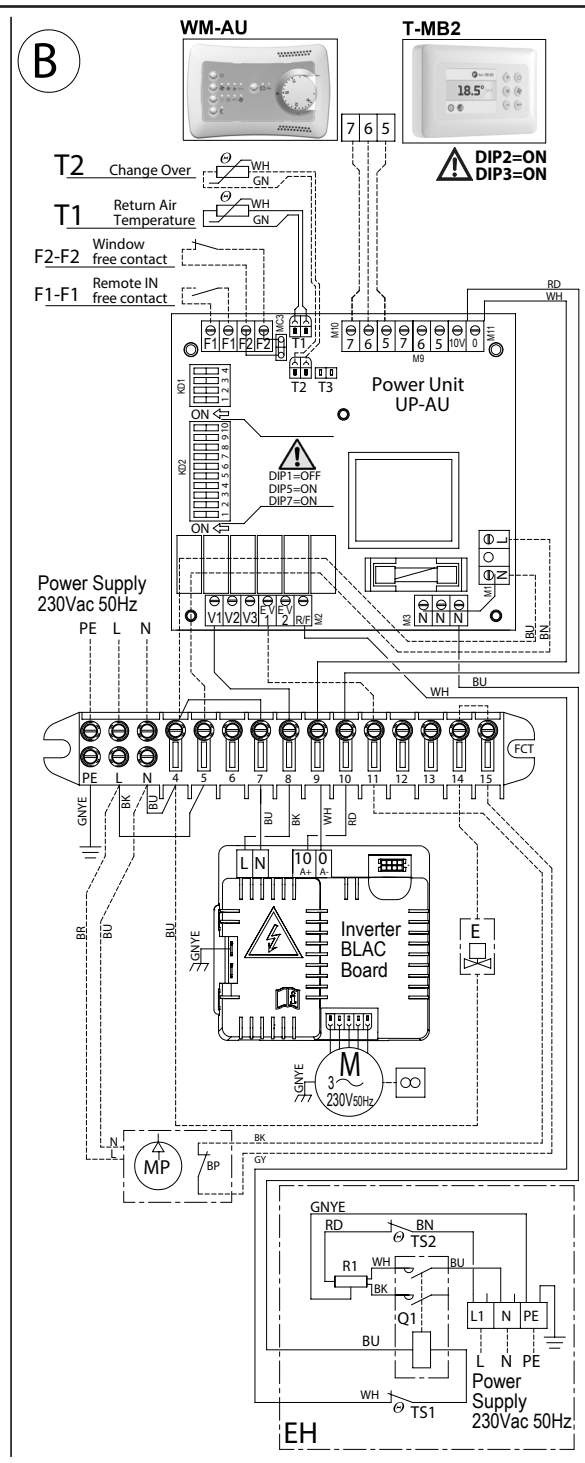
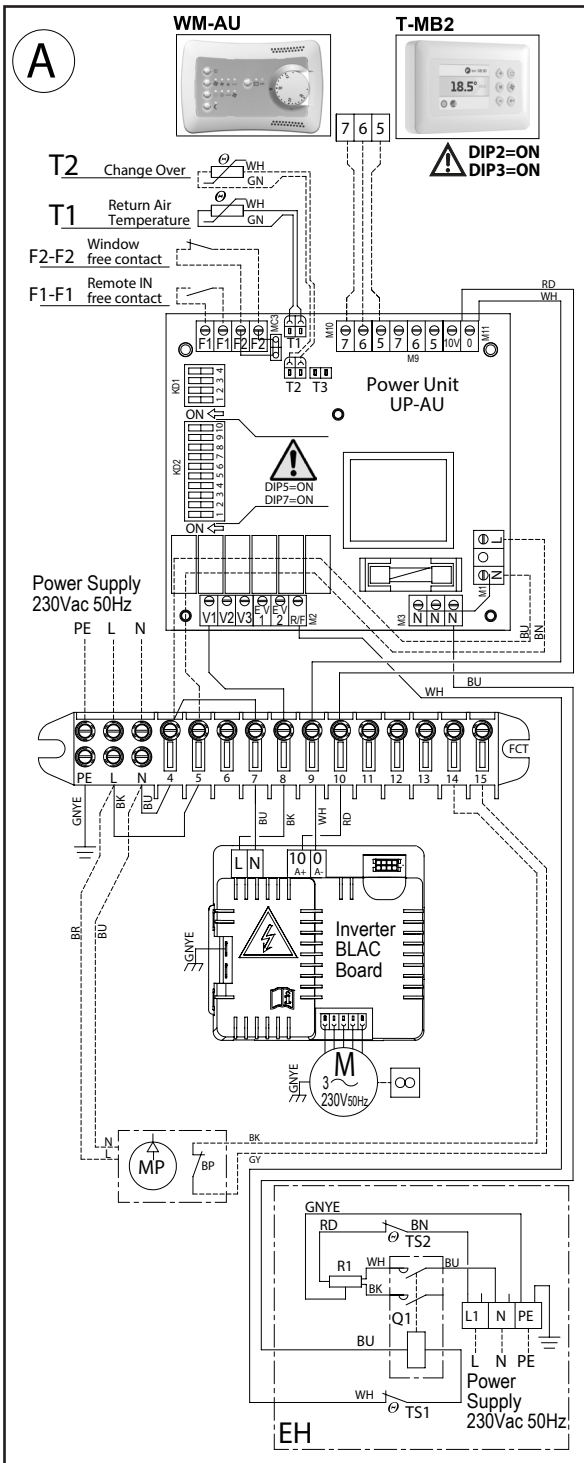
B



C

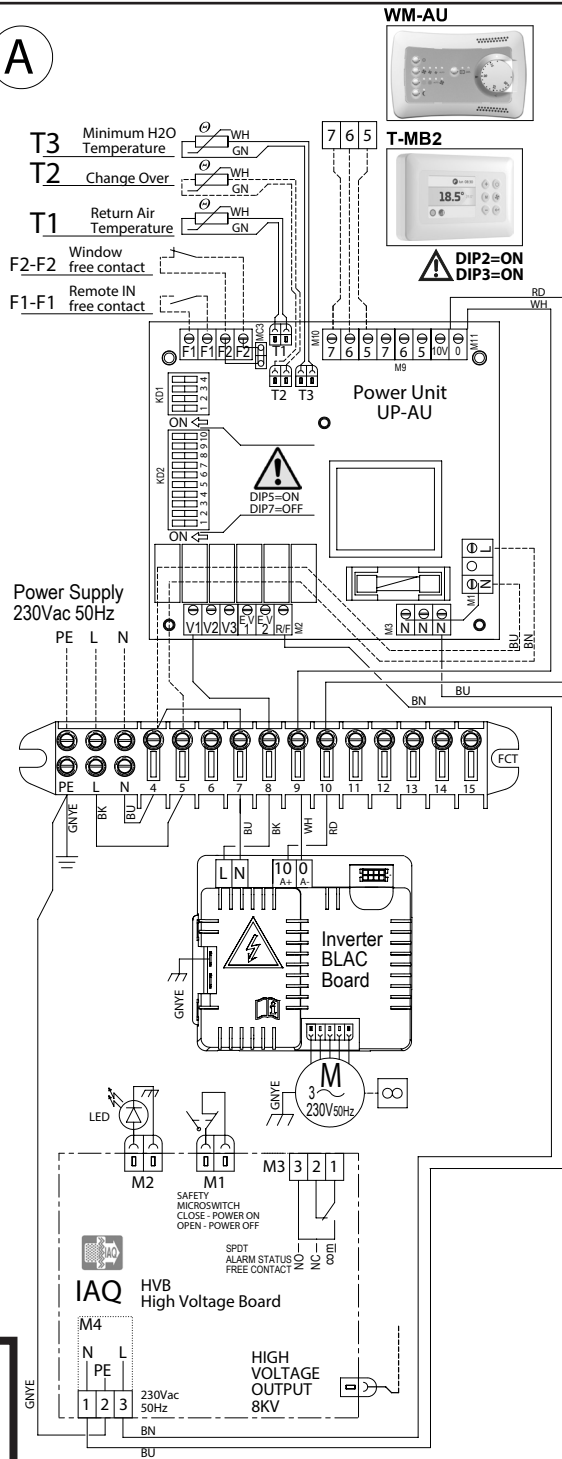


**SE-0491**

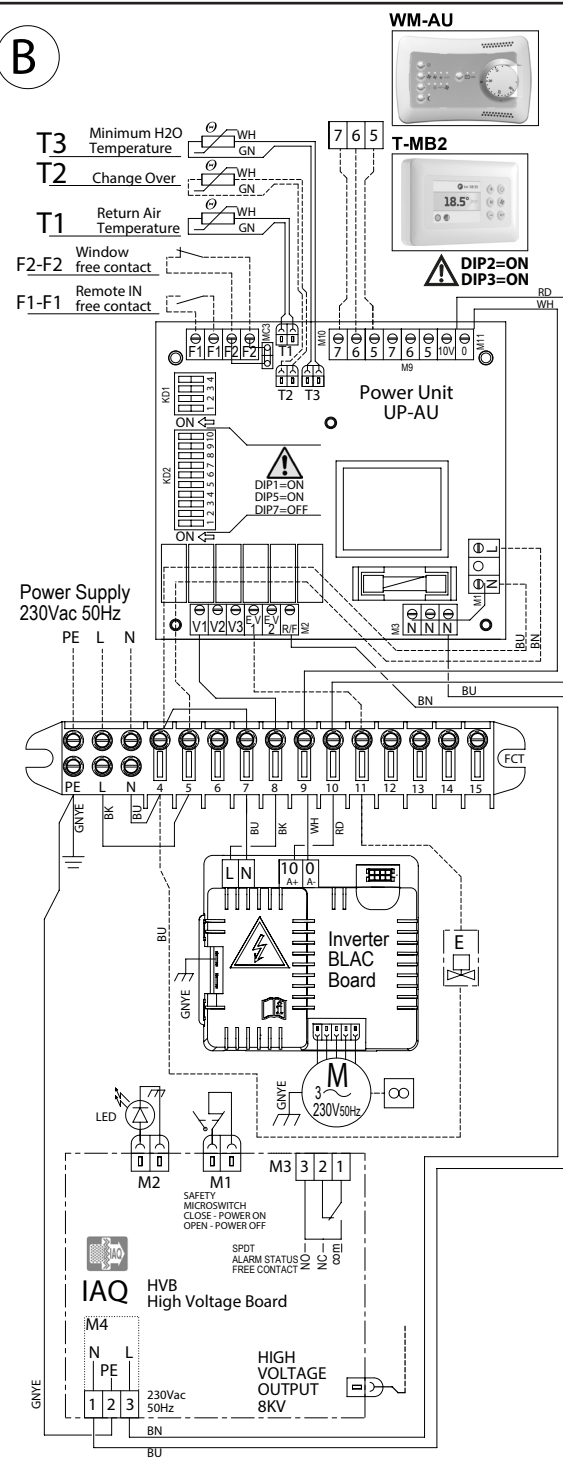


**SE-0492**

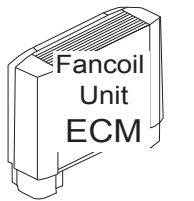
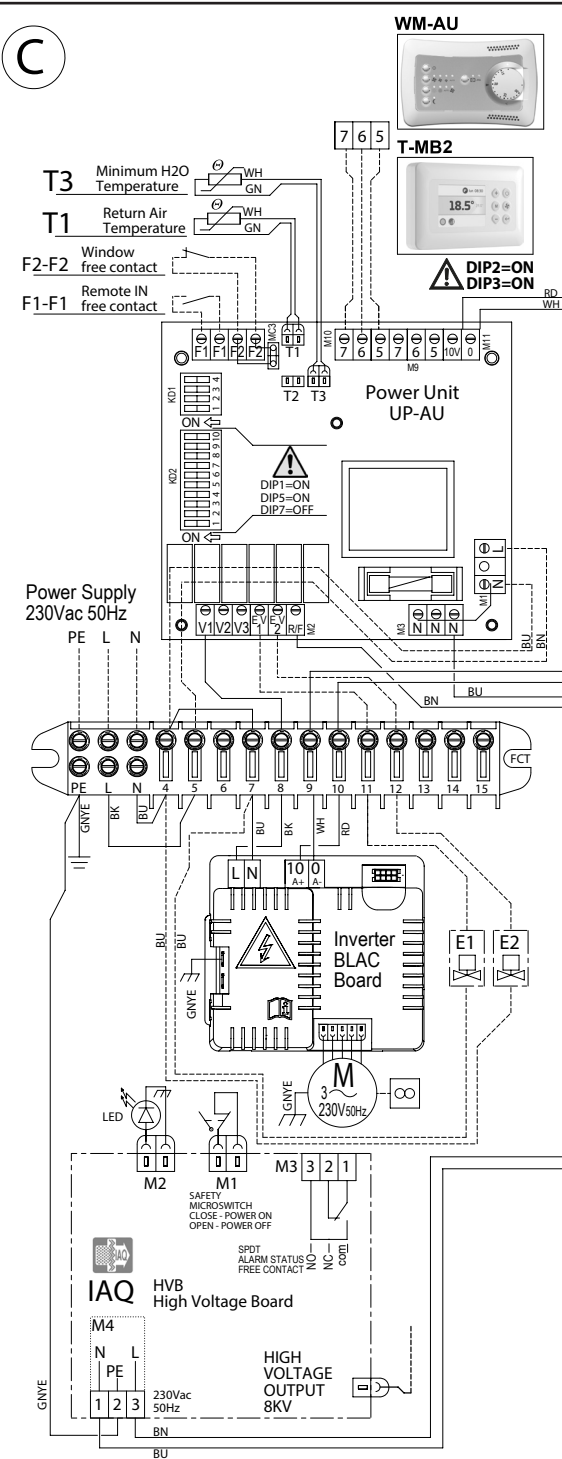
**A**



**B**

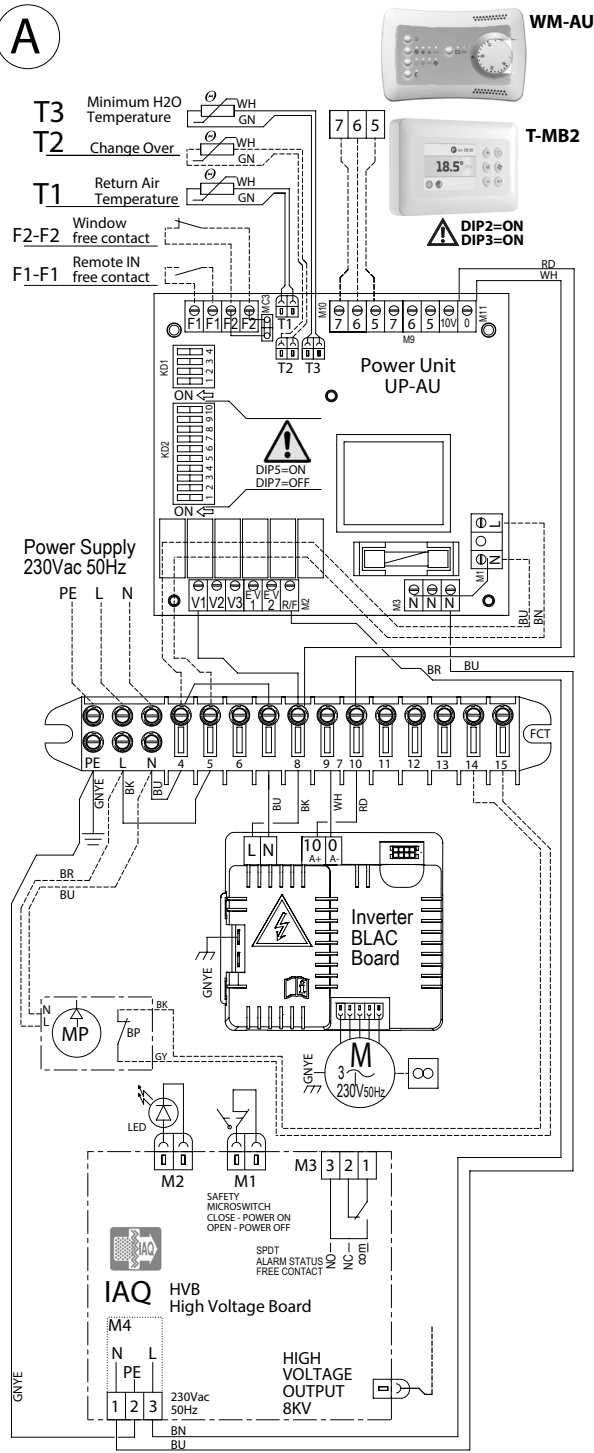


**C**

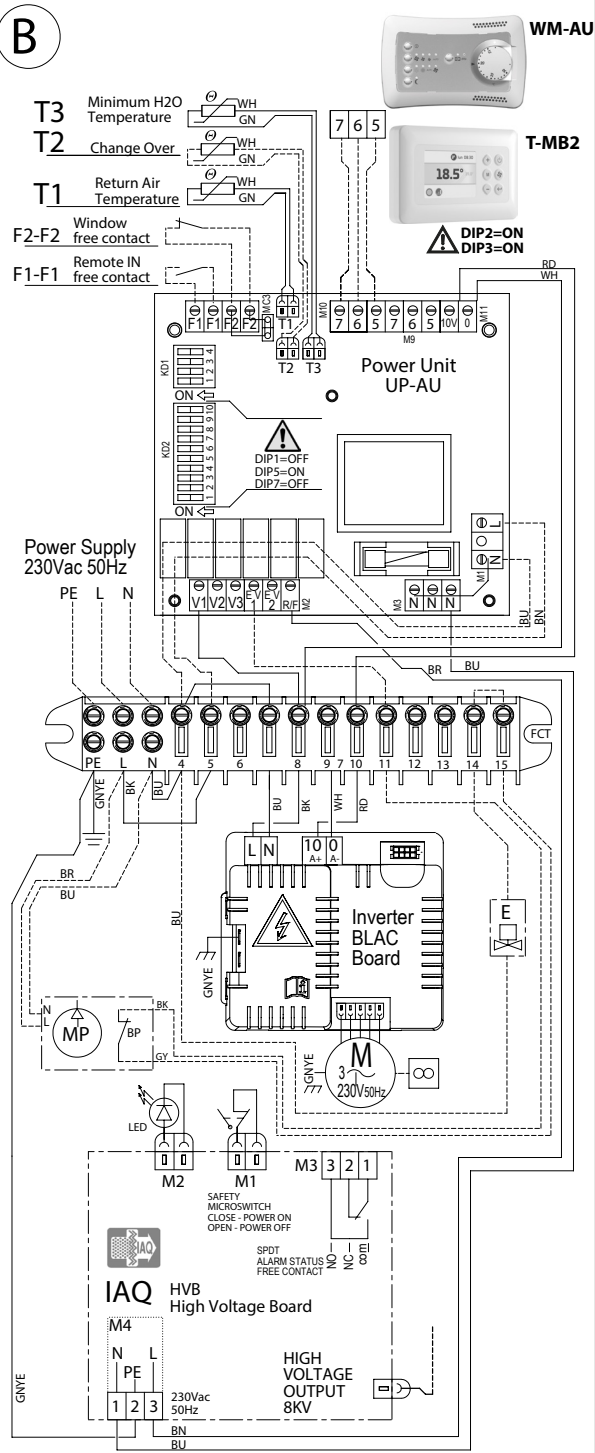


**SE-0493**

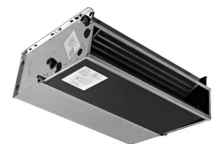
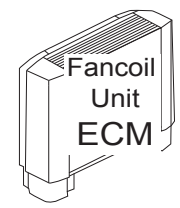
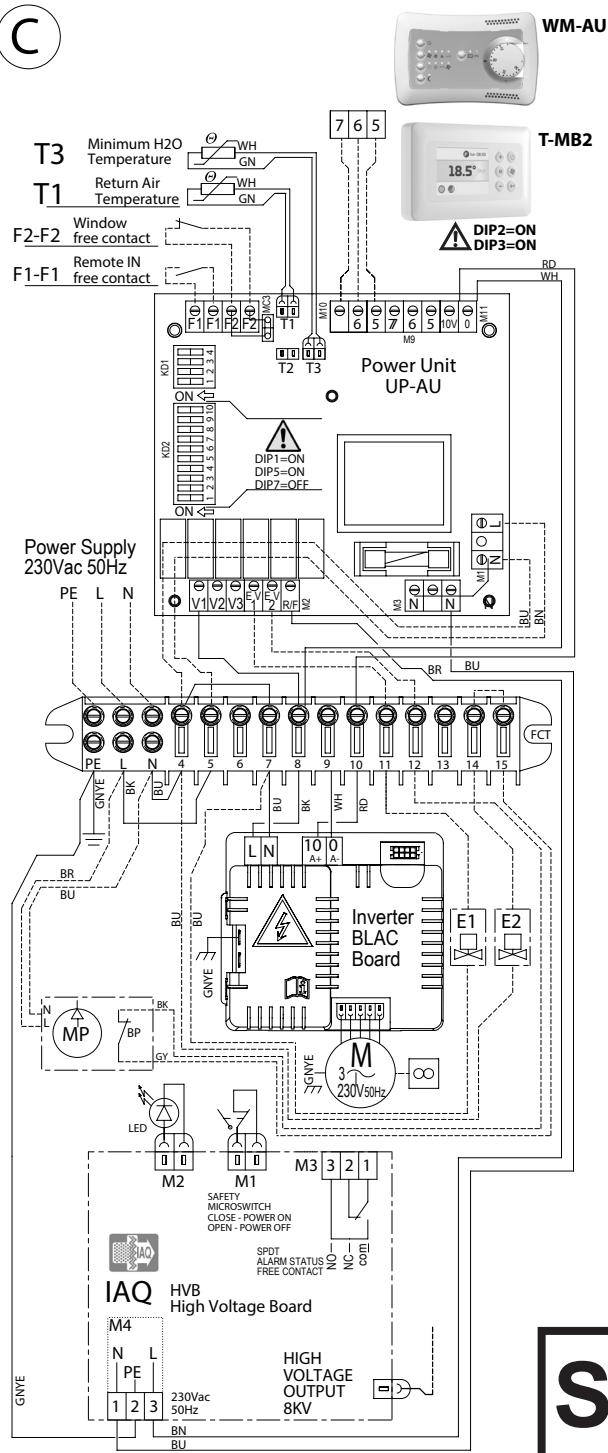
A



B



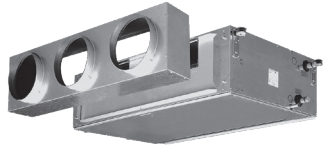
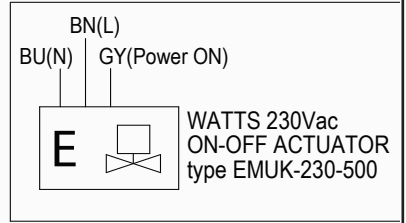
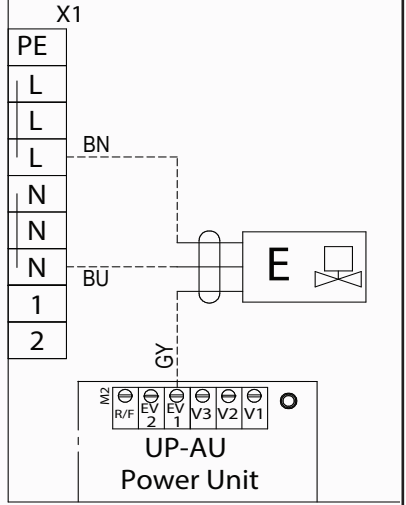
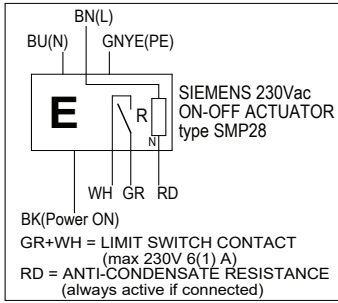
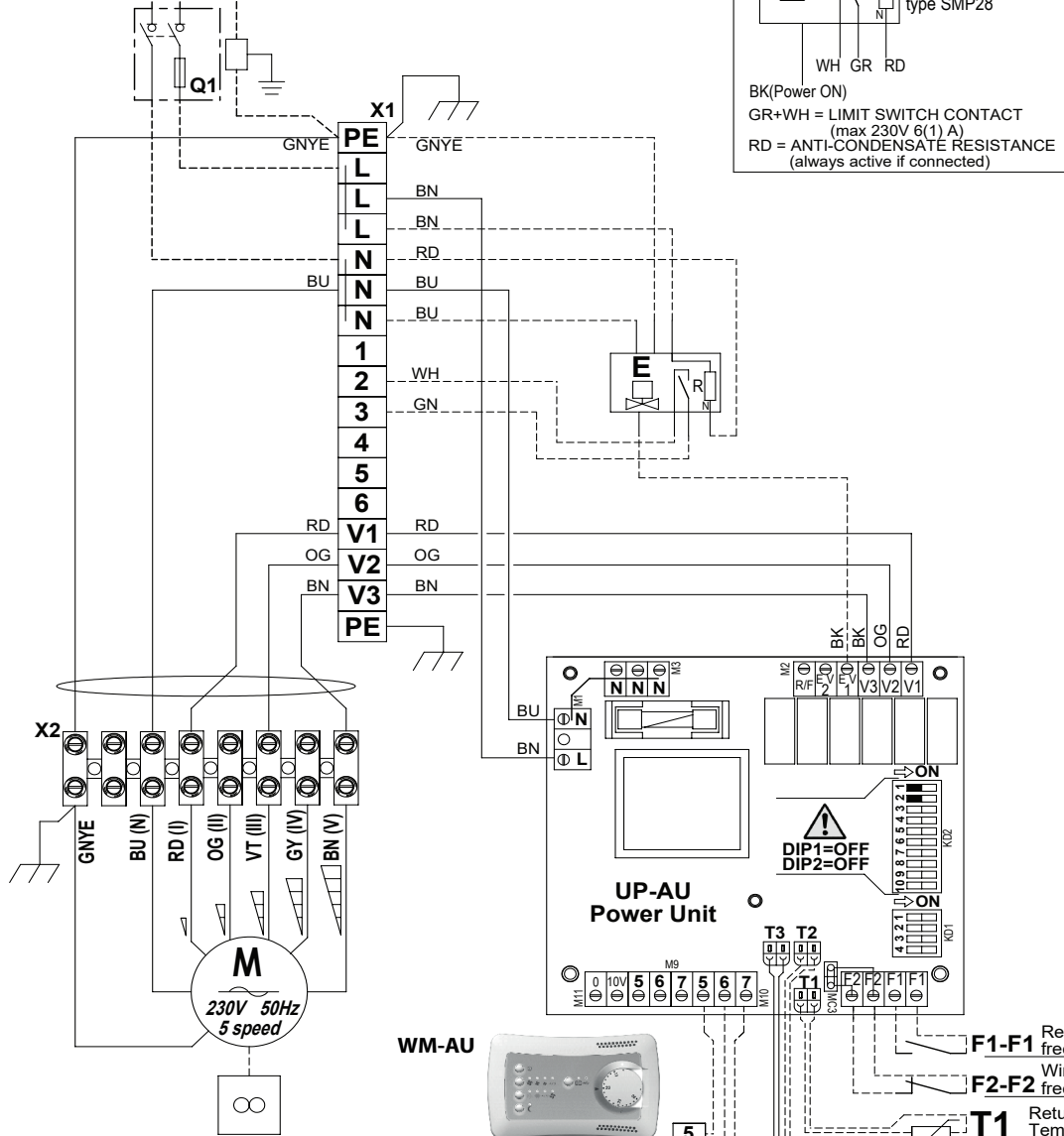
C



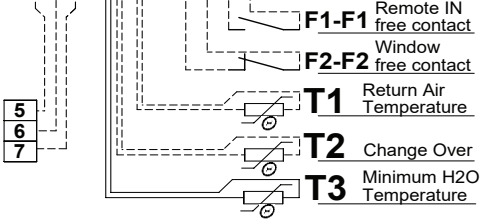
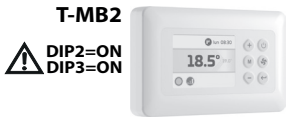
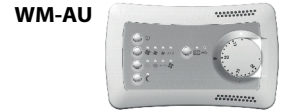
**SE-0494**

**B**

**POWER SUPPLY**  
230V 50/60Hz  
**N L PE**

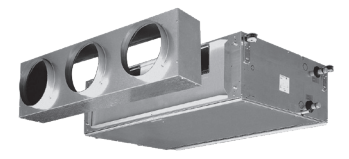
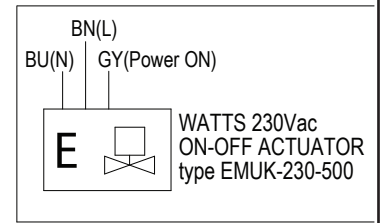
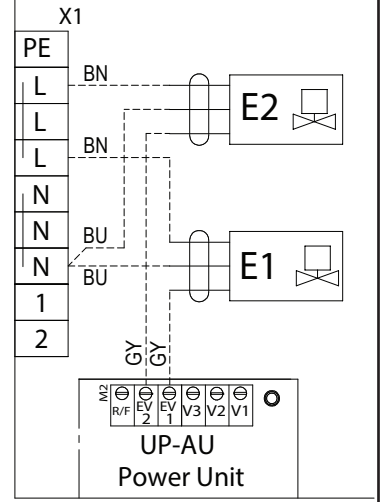
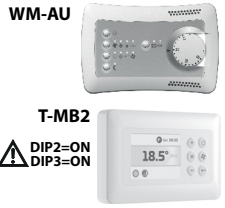
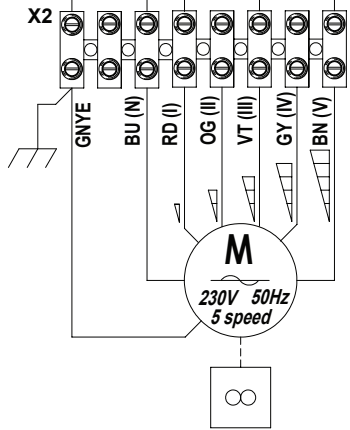
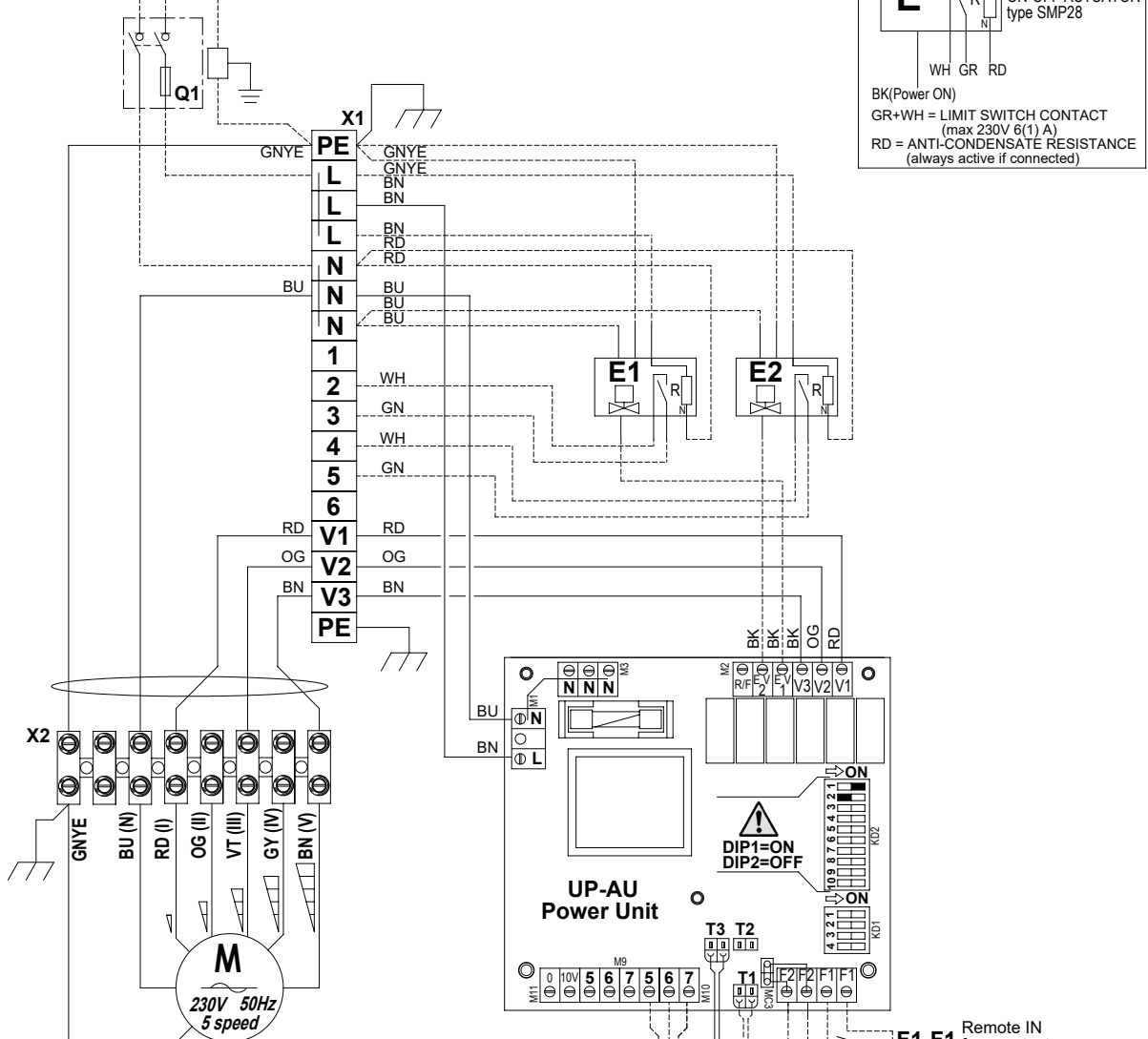


**SE-0691-01**



**C**

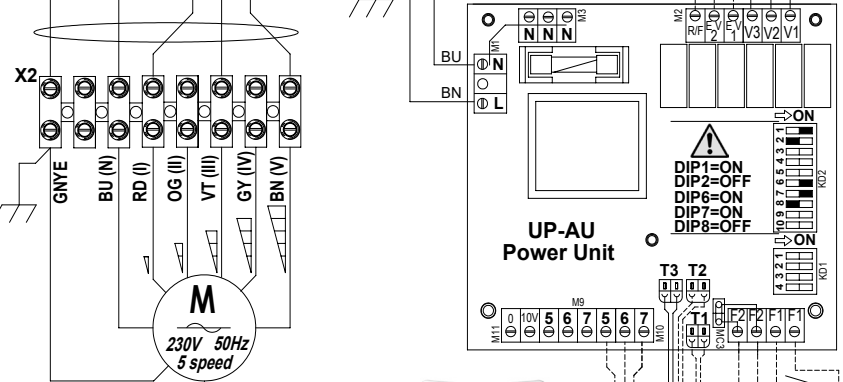
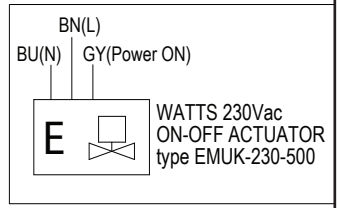
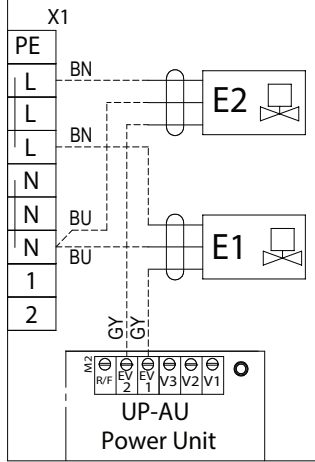
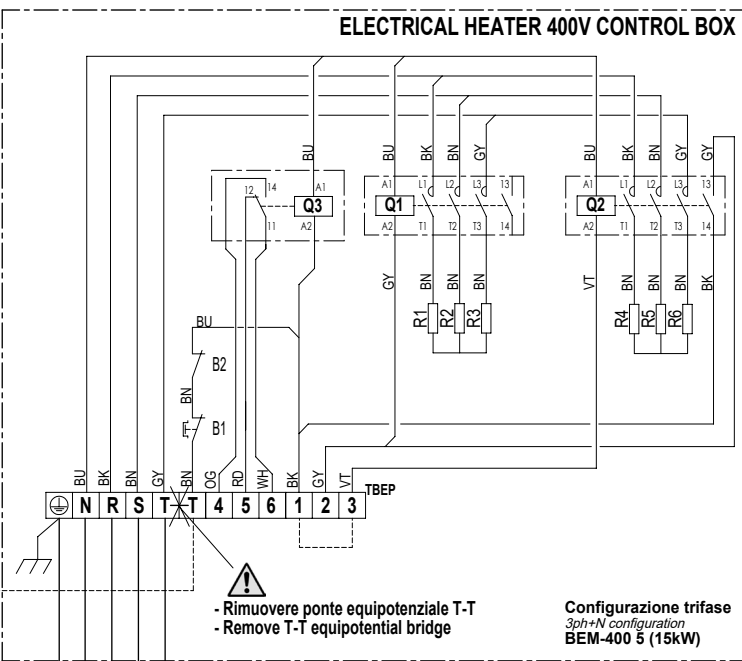
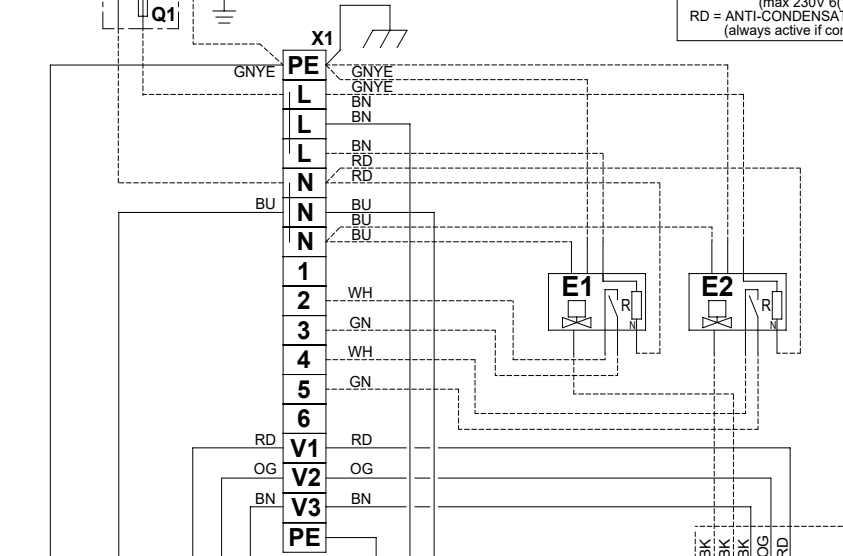
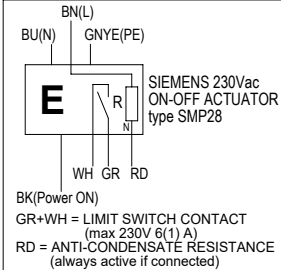
**POWER SUPPLY**  
230V 50/60Hz  
N L PE



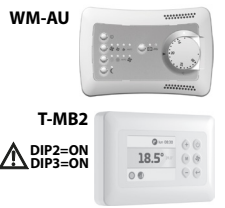
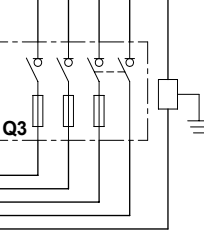
**SE-0691-01**

**C**

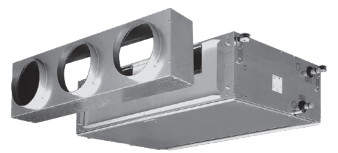
**POWER SUPPLY**  
230V 50/60Hz  
N L PE



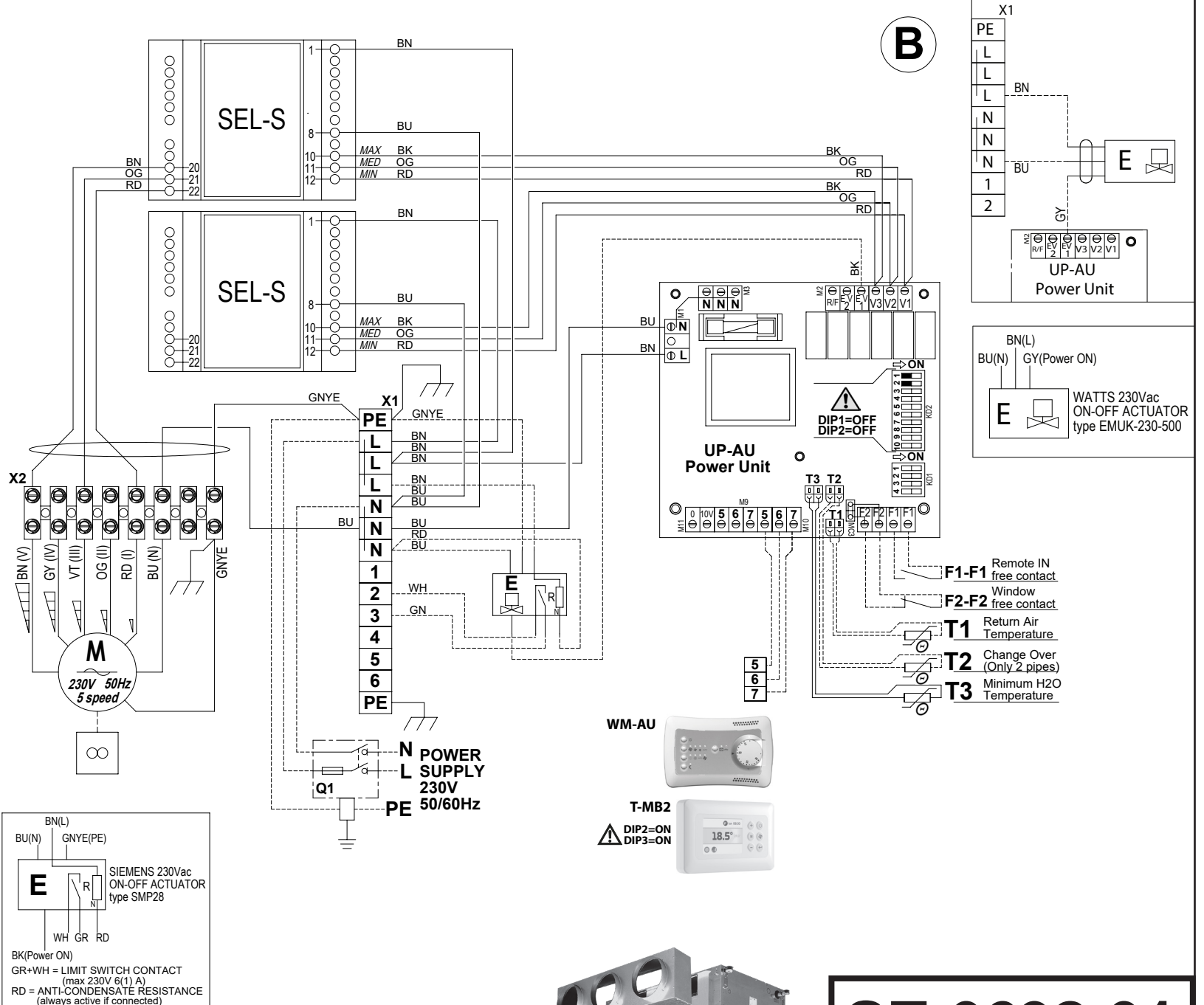
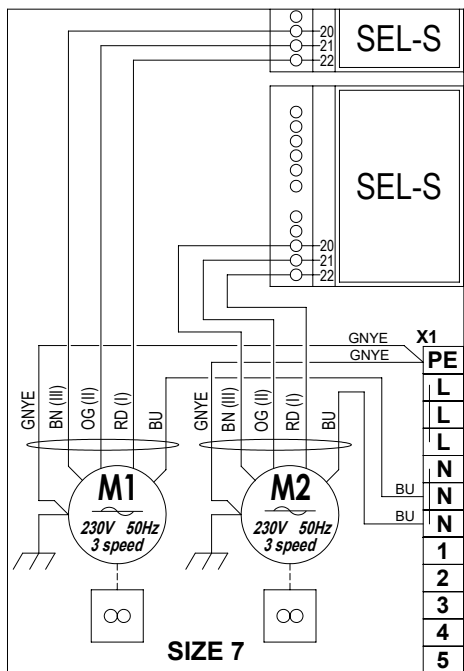
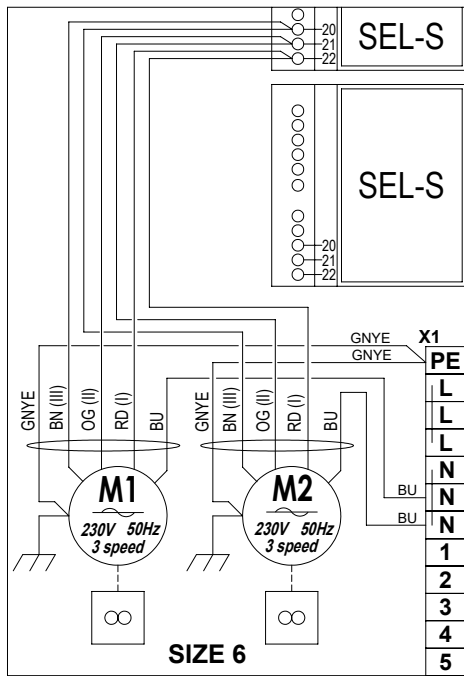
**POWER SUPPLY**  
400V 3P+N 50/60Hz  
T S R N PE



- F1-F1 Remote IN free contact
- F2-F2 Window free contact
- T1 Return Air Temperature
- T2 Change Over Minimum H2O Temperature
- T3 Temperature

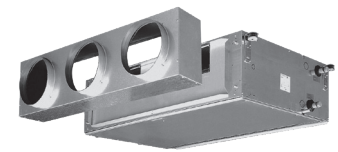
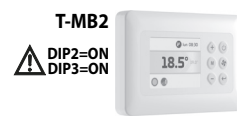
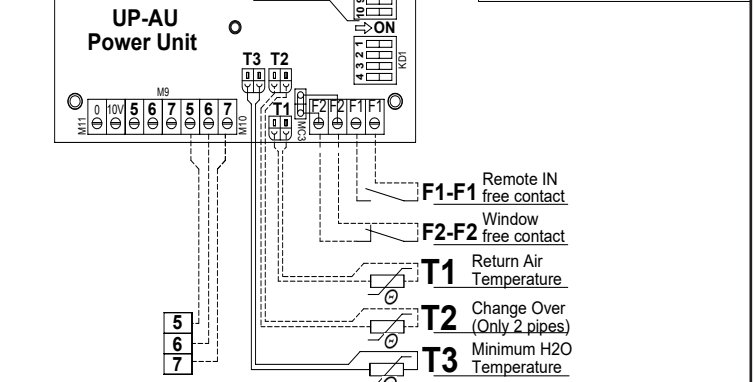
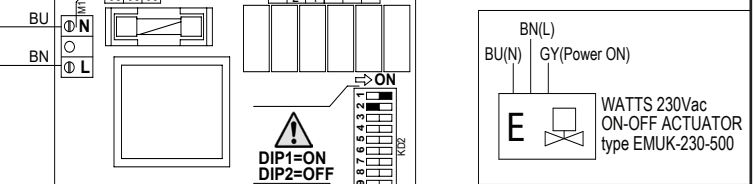
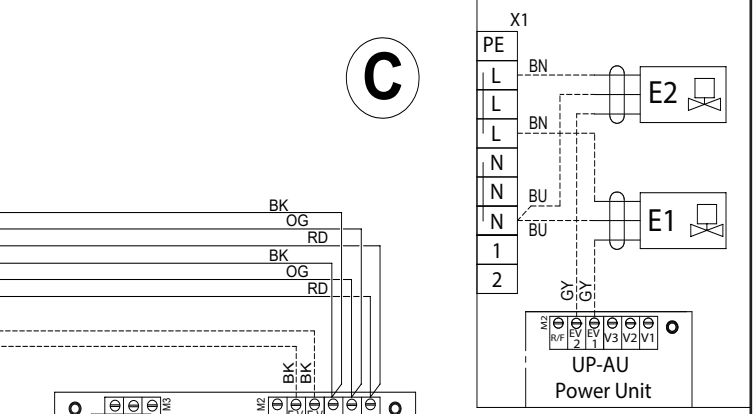
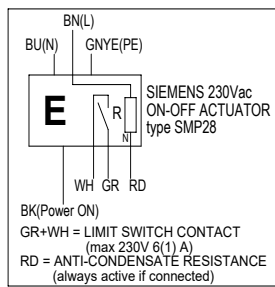
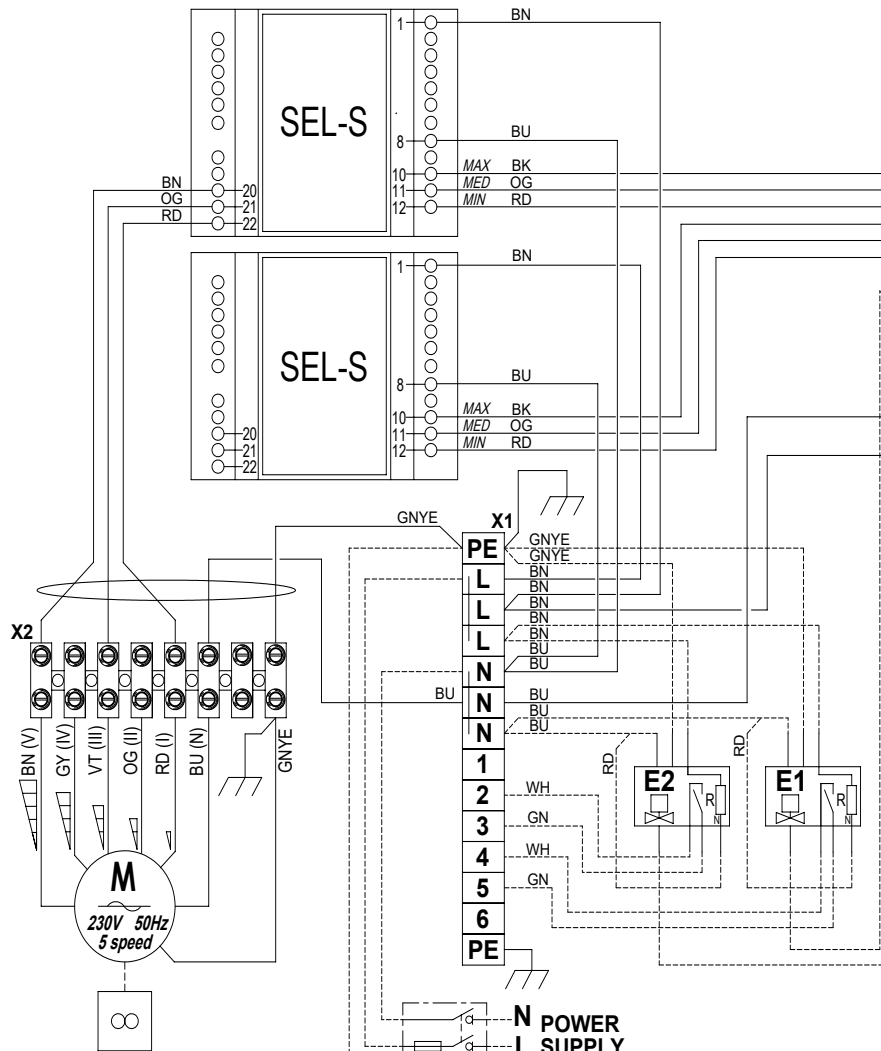
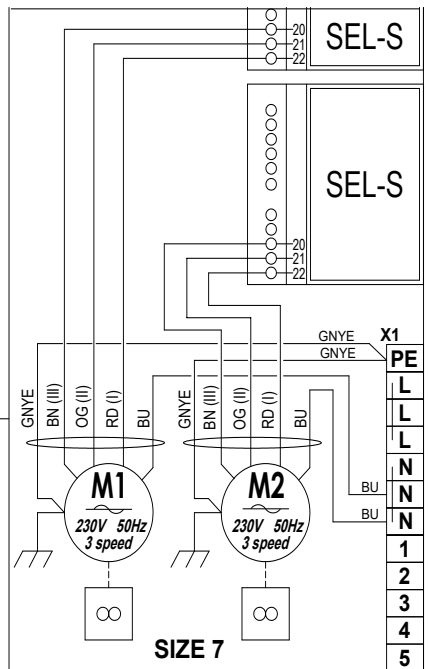
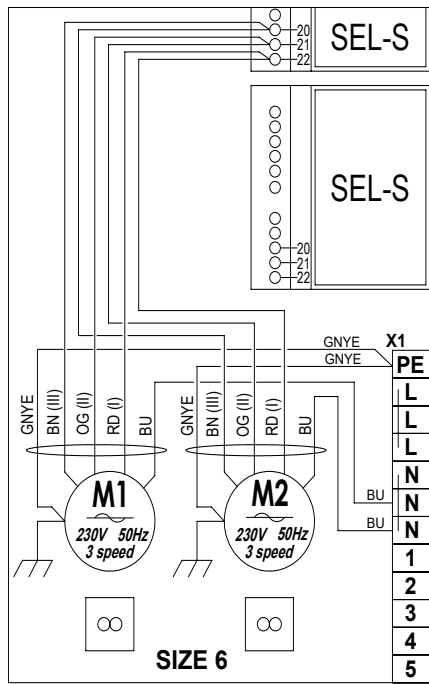


**SE-0691-02**



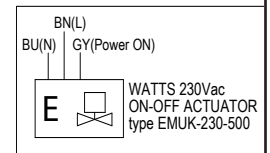
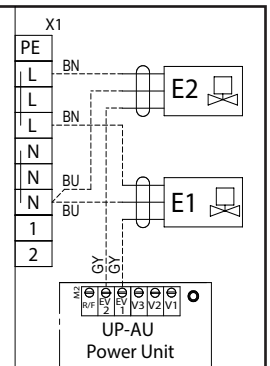
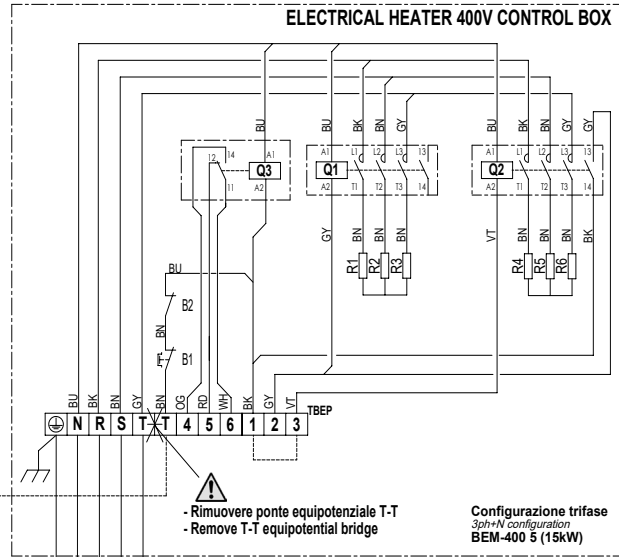
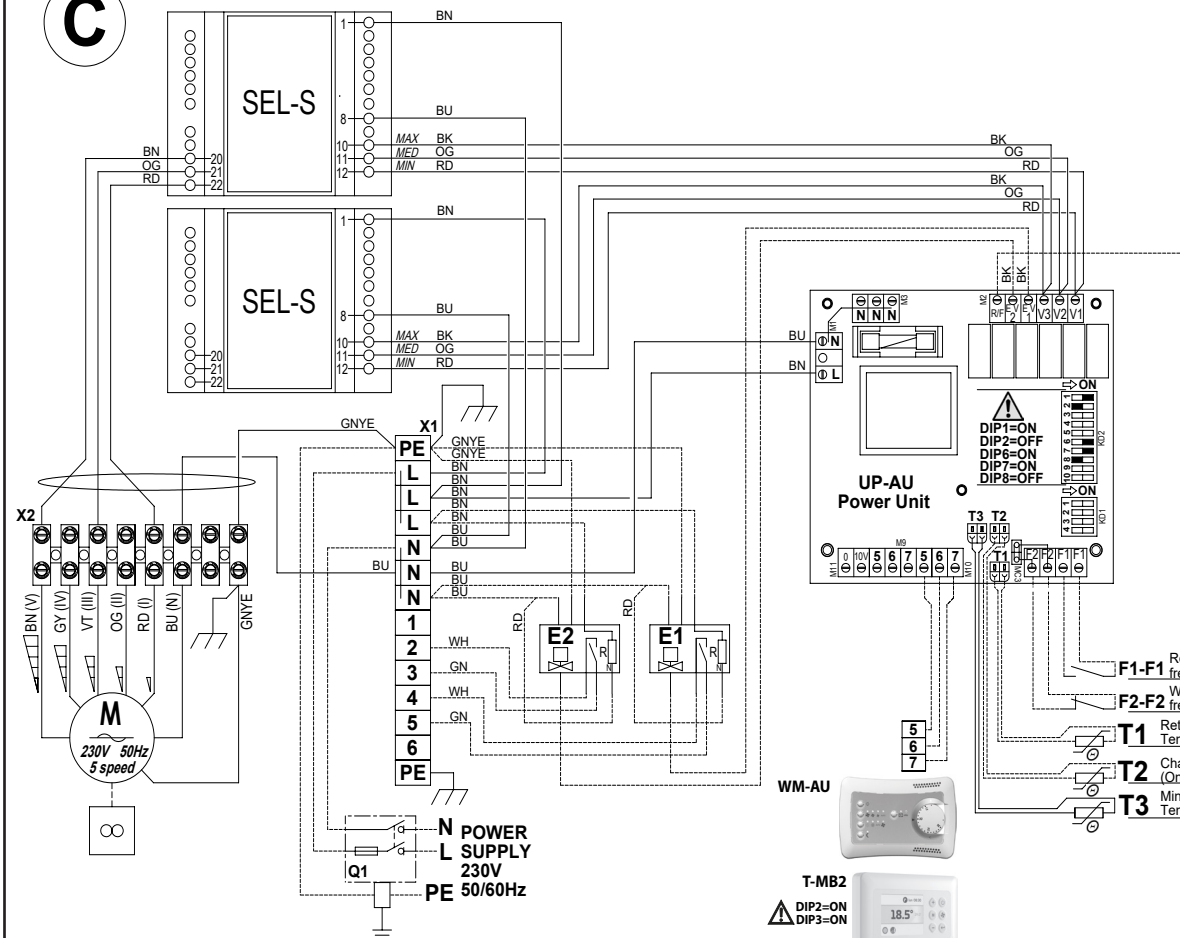
**SE-0692-01**



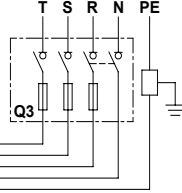


**SE-0692-02**

**C**



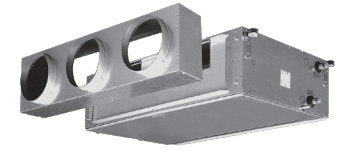
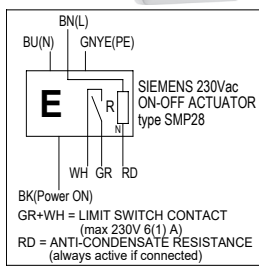
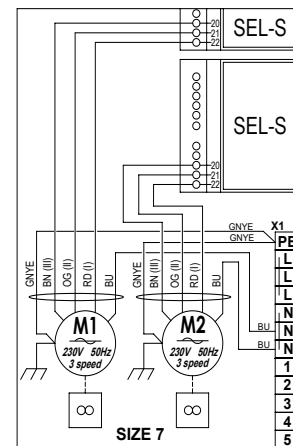
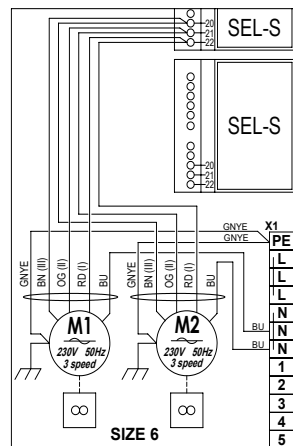
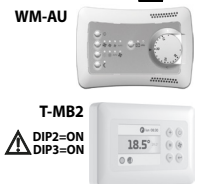
**POWER SUPPLY**  
400V 3P+N 50/60Hz



Configurazione trifase  
3ph+N configuration  
BEM-400 5 (15kW)

! - Rimuovere ponte equipotenziale T-T  
! - Remove T-T equipotential bridge

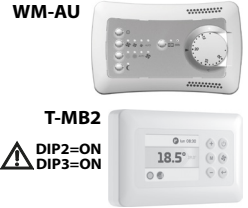
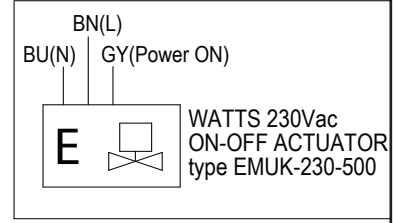
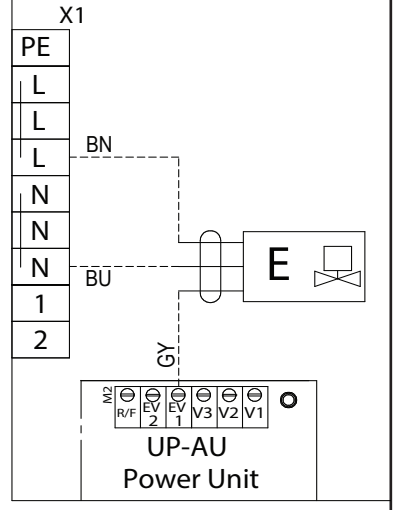
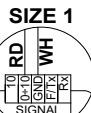
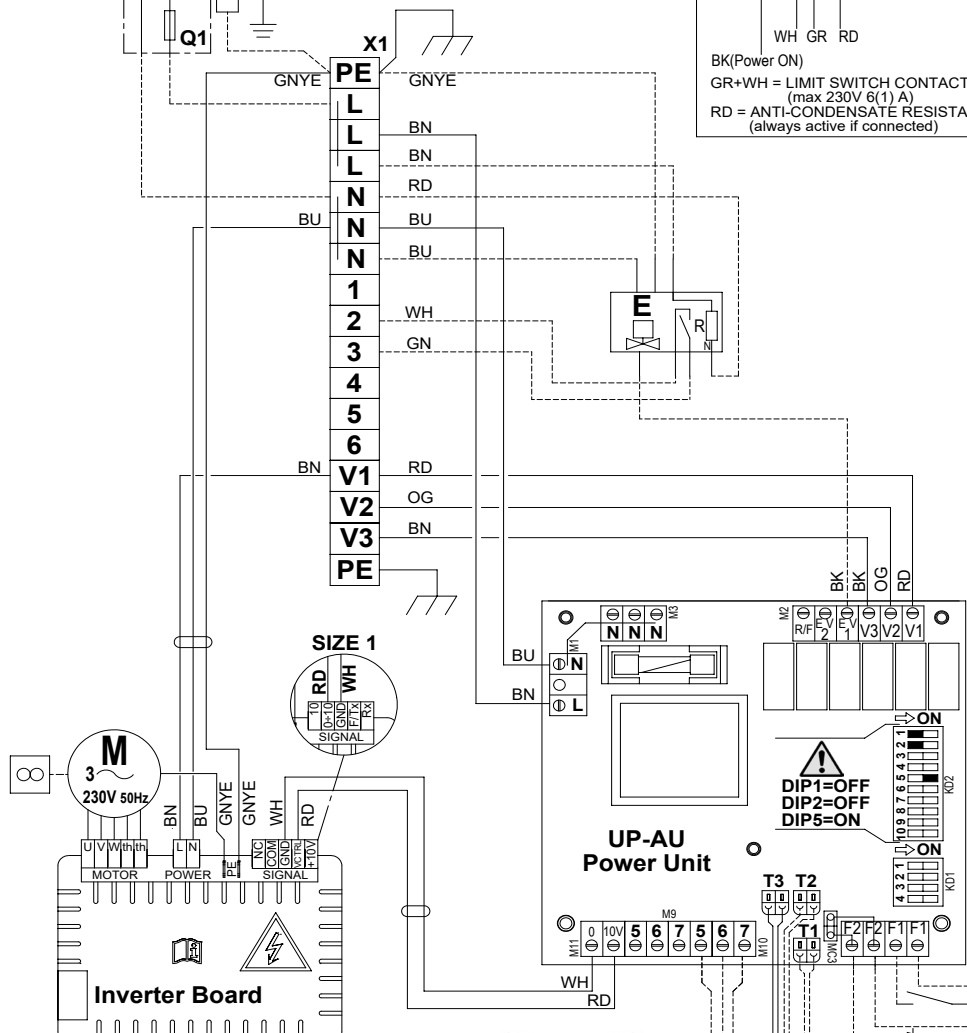
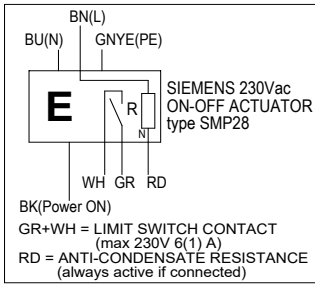
- F1-F1 Remote IN free contact
- F2-F2 Window free contact
- T1 Return Air Temperature
- T2 Change Over (Only 2 pipes)
- T3 Minimum H2O Temperature



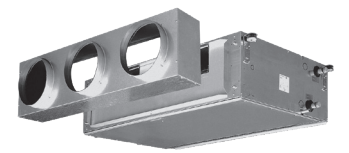
**SE-0692-03**

B

**POWER SUPPLY**  
230V 50/60Hz  
N L PE



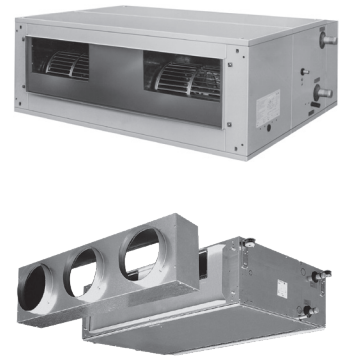
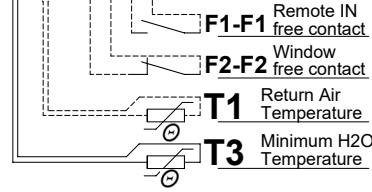
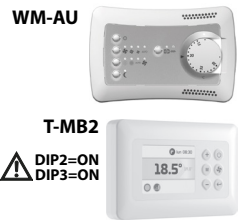
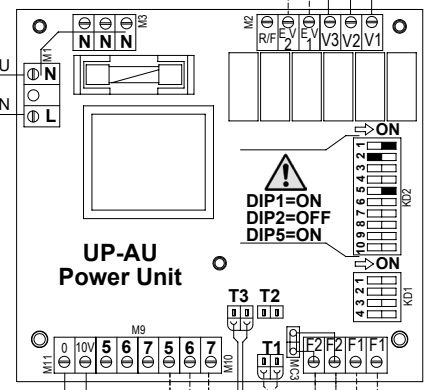
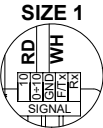
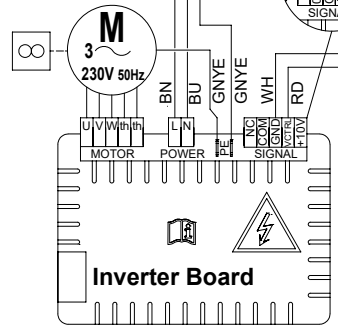
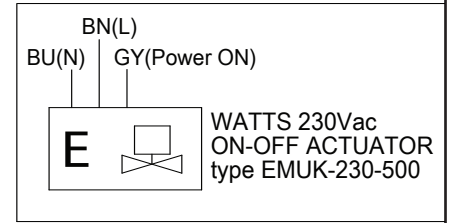
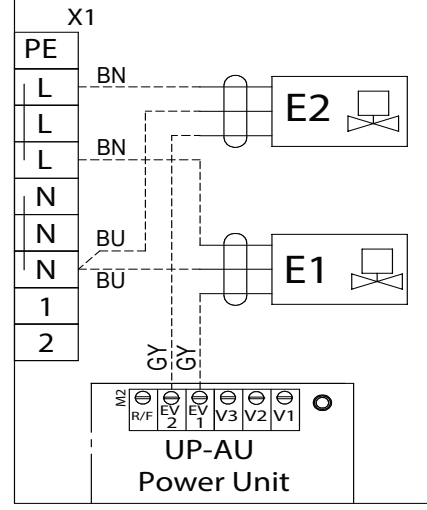
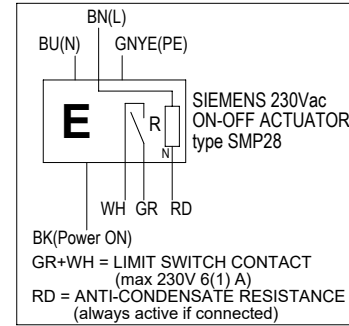
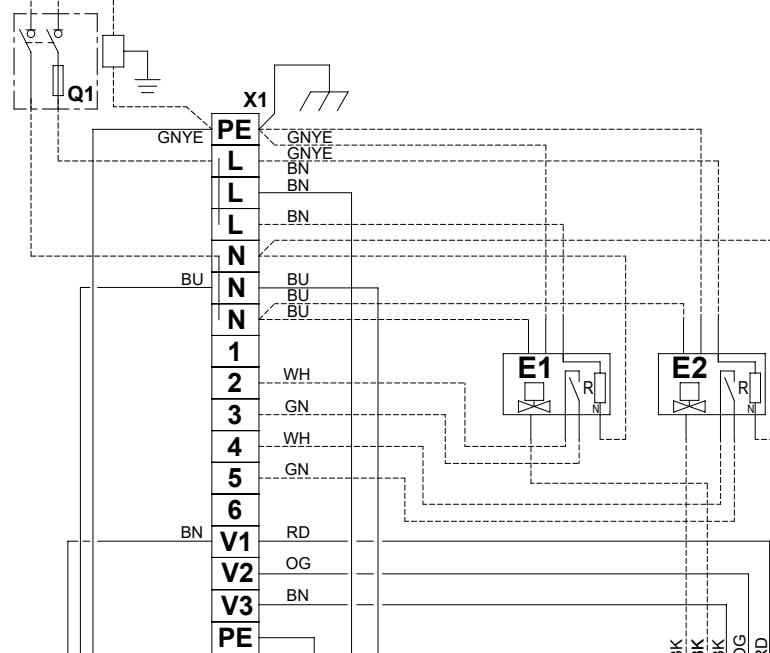
- F1-F1 Remote IN free contact
- F2-F2 Window free contact
- T1 Return Air Temperature
- T2 Change Over
- T3 Minimum H2O Temperature



**SE-0691-03**

**C**

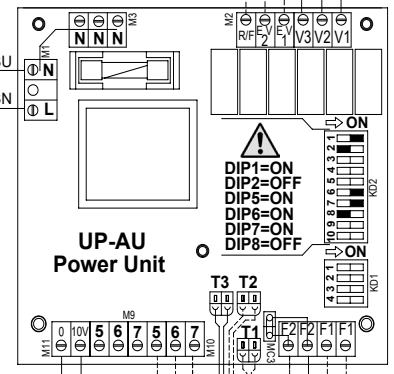
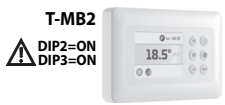
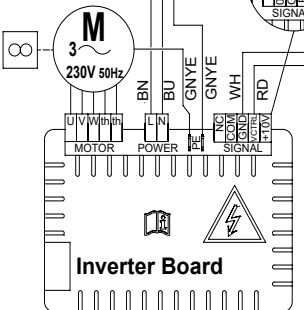
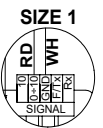
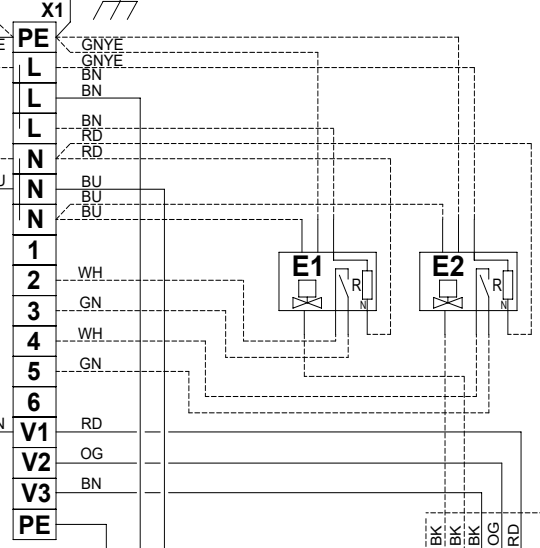
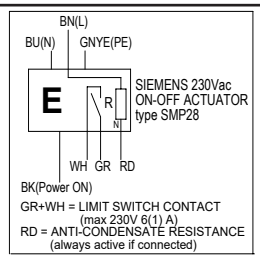
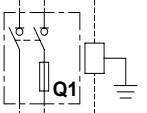
**Power Supply**  
230V 50/60Hz  
N L PE



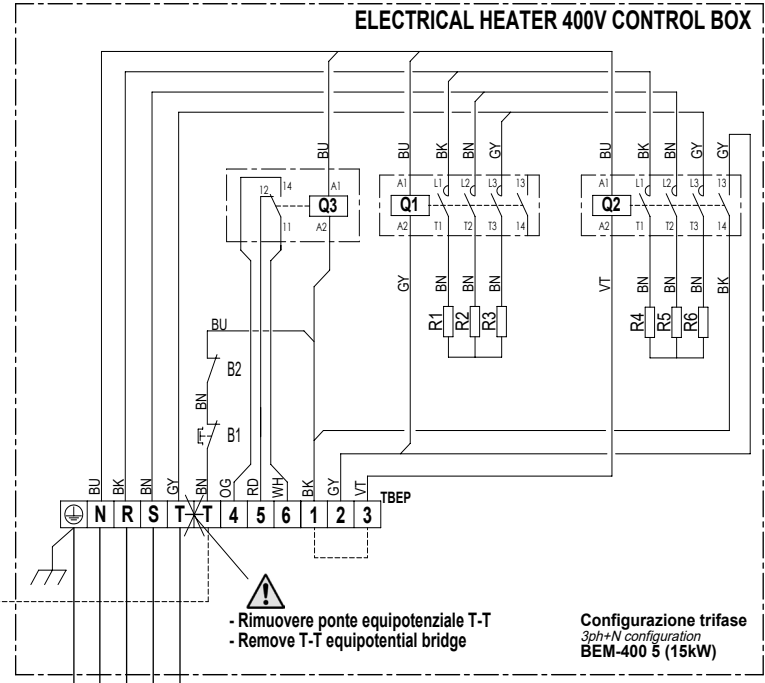
**SE-0691-03**

**C**

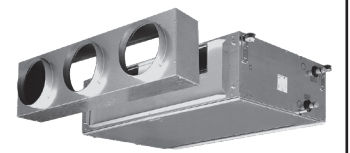
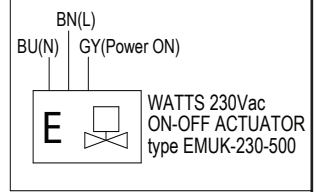
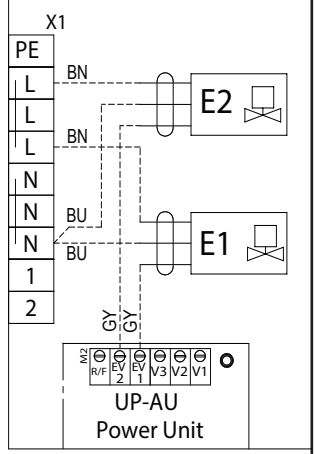
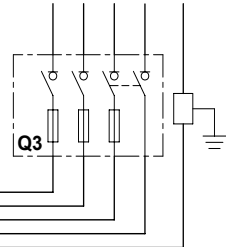
**POWER SUPPLY**  
230V 50/60Hz  
**N L PE**



- F1-F1 Remote IN free contact
- F2-F2 Window free contact
- T1 Return Air Temperature
- T2 Change Over
- T3 Minimum H2O Temperature



**POWER SUPPLY**  
400V 3P+N 50/60Hz  
**T S R N PE**



**SE-0691-04**