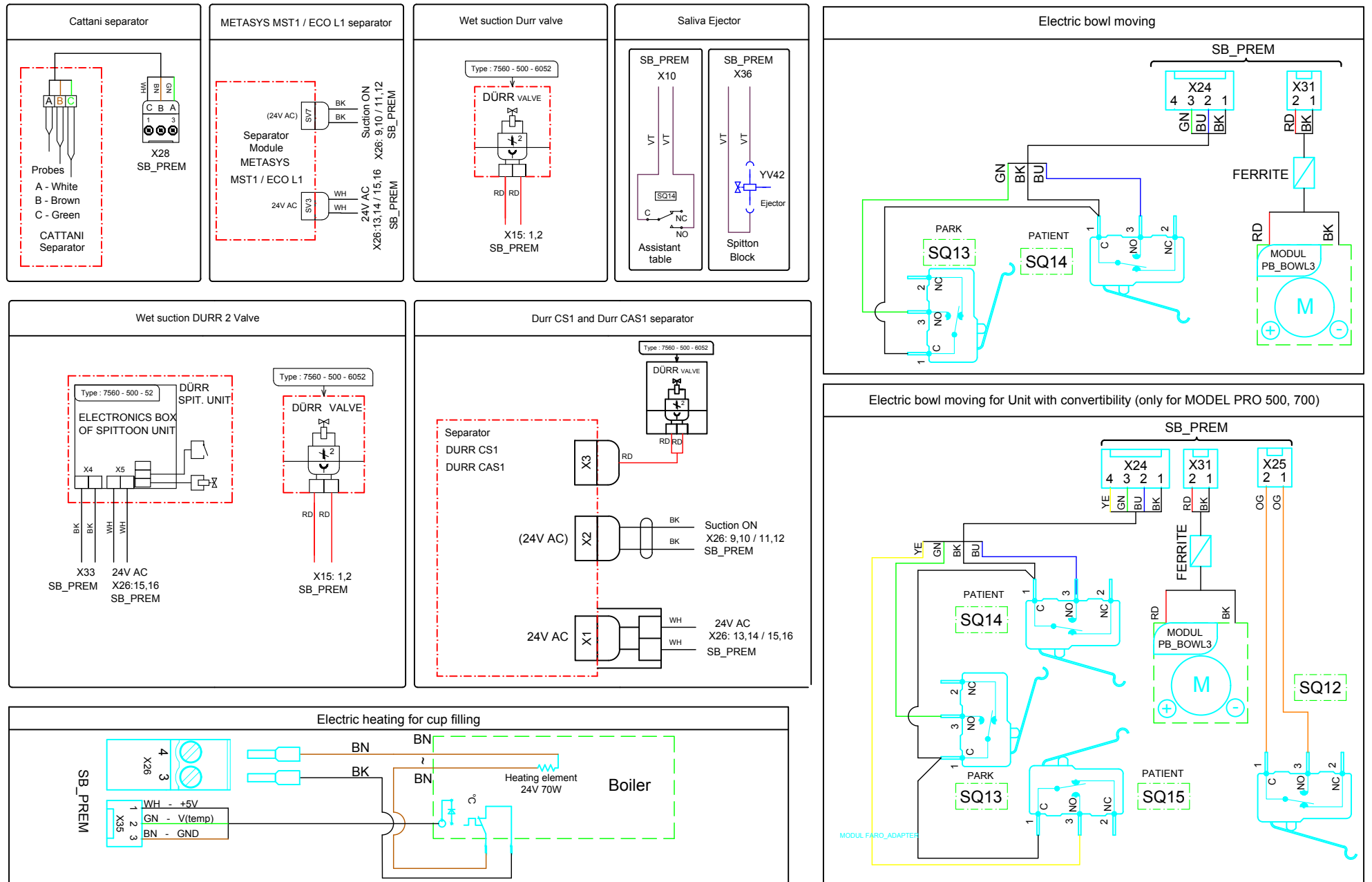
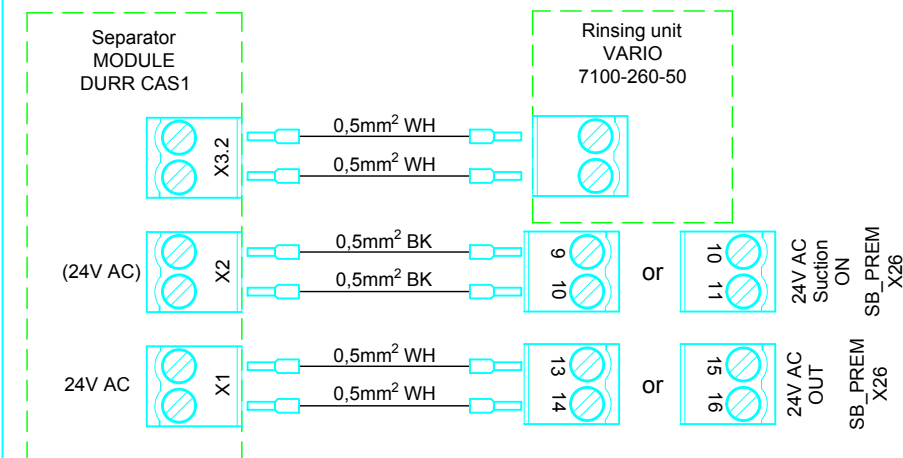


Wiring diagram of the Spitton Block - Suction systems, Bowl moving, Boiler in spittoon block used for  
**MODEL PRO 500 (DC 310), MODEL PRO 700 (DC 350), DC 240, DC 290, DL 210, DL 270, DL 290, DL 320, DL 330, DL 340, DL 380,**  
**MODEL PRO 600 (DA 270), DA 280, MODEL PRO 800 (DA 370), DA 380**  
 (29.1.2022)

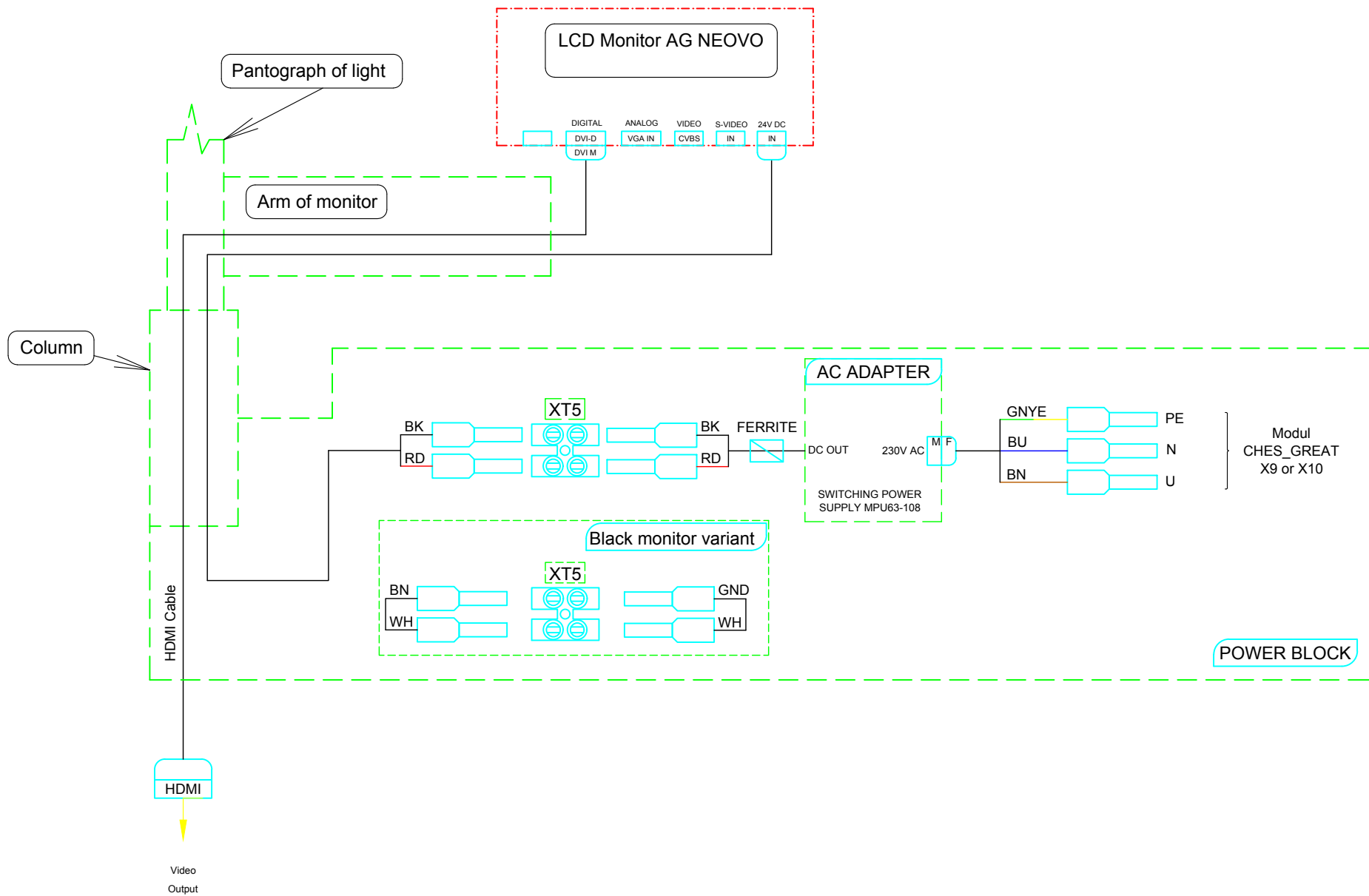


Wiring diagram of the Spitton Block - Suction systems, rinsing unit for  
**MODEL PRO 500 (DC 310), MODEL PRO 700 (DC 350), DC 240, DC 290, DL 210, DL 270, DL 290, DL 320, DL 330, DL 340, DL 380,**  
**MODEL PRO 600 (DA 270), DA 280, MODEL PRO 800 (DA 370), DA 380**  
 (17.1.2022)

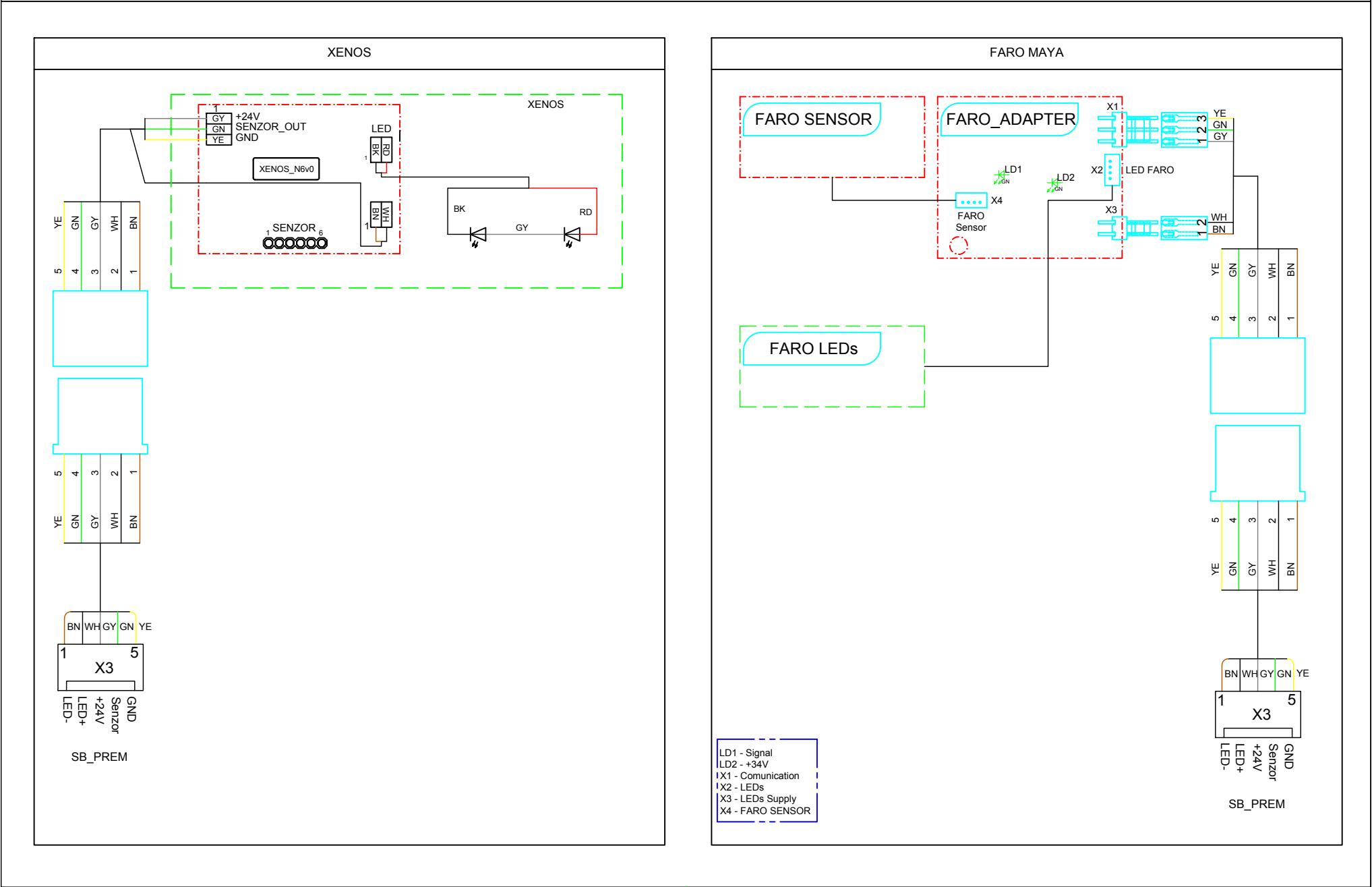
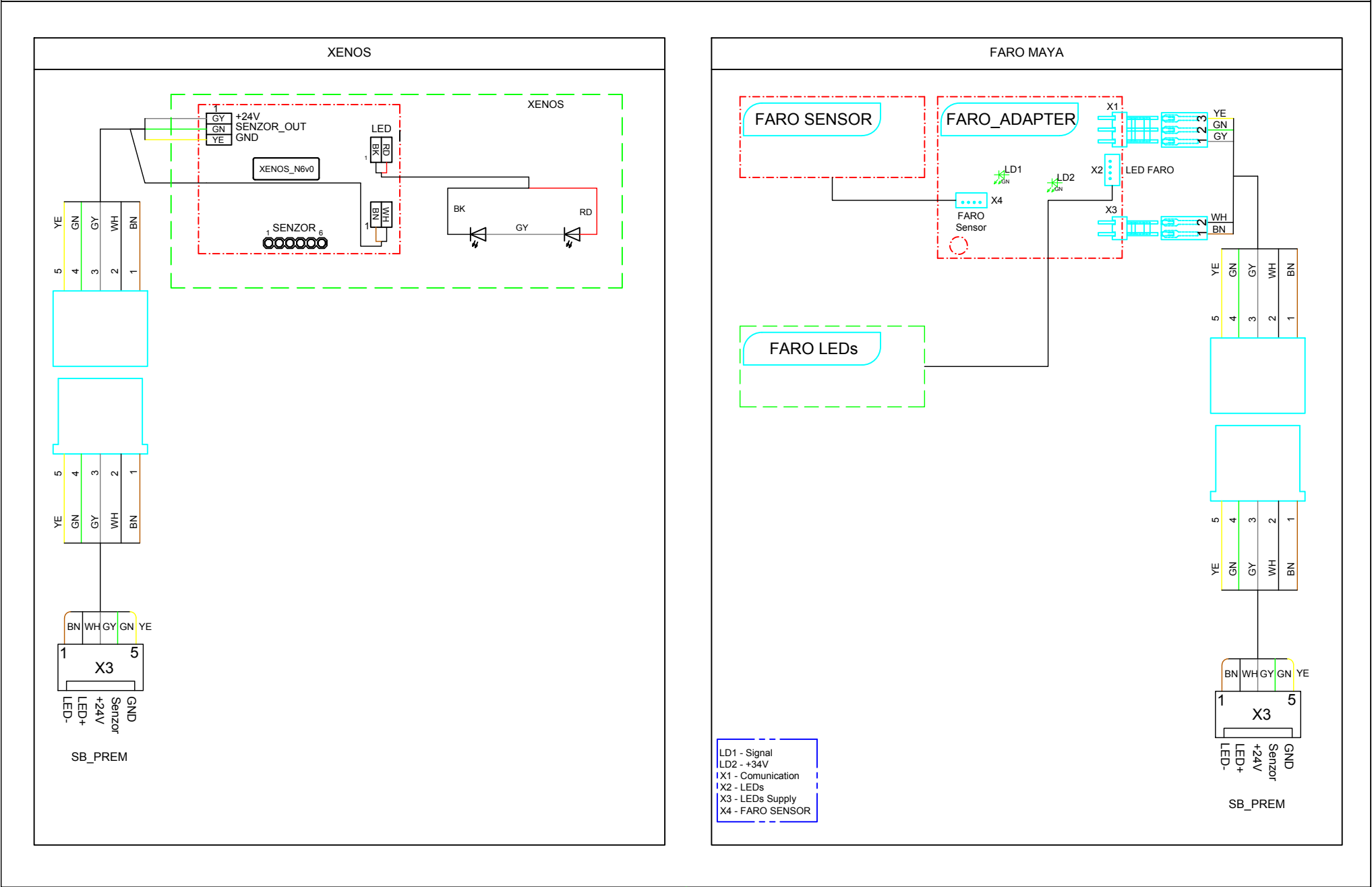
Durr CAS1 separator with VARIO rinsing unit



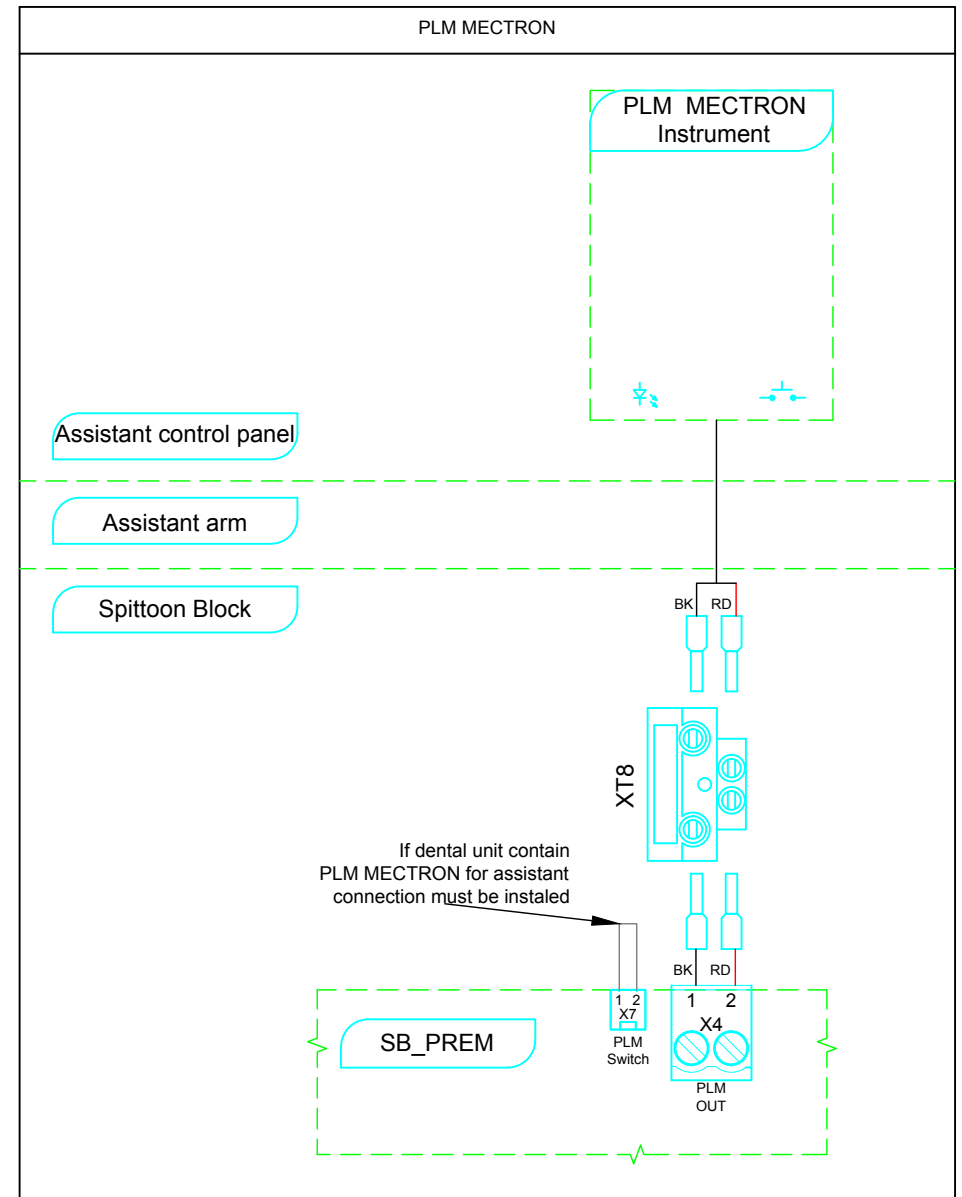
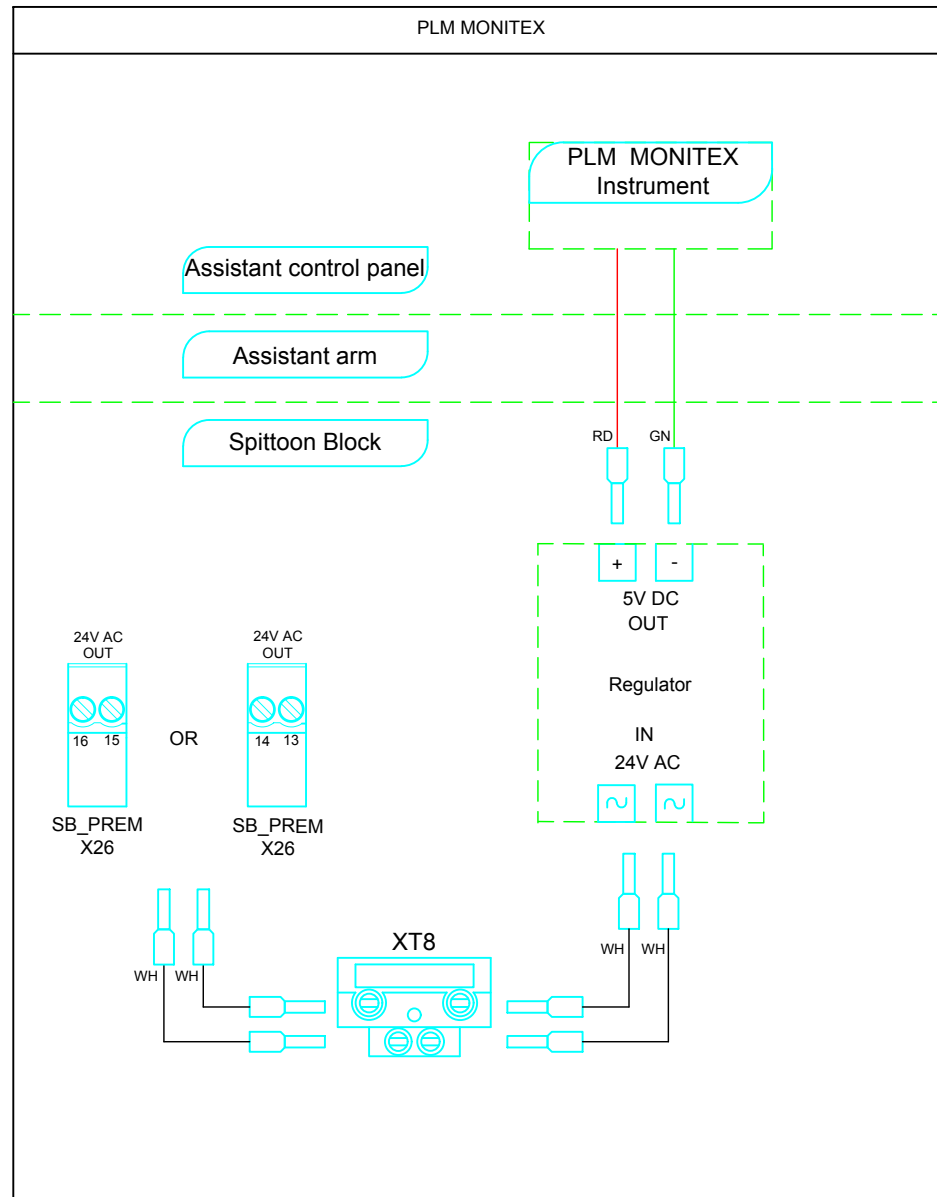
Wiring diagram of the Power Block - Monitor power supply in power block used for  
**MODEL PRO 500 (DC 310), MODEL PRO 700 (DC 350), DC 240, DC 290, DL 210, DL 270, DL 290, DL 320, DL 330, DL 340, DL 380,**  
**MODEL PRO 600 (DA 270), DA 280, MODEL PRO 800 (DA 370), DA 380**  
 (15.1.2021)



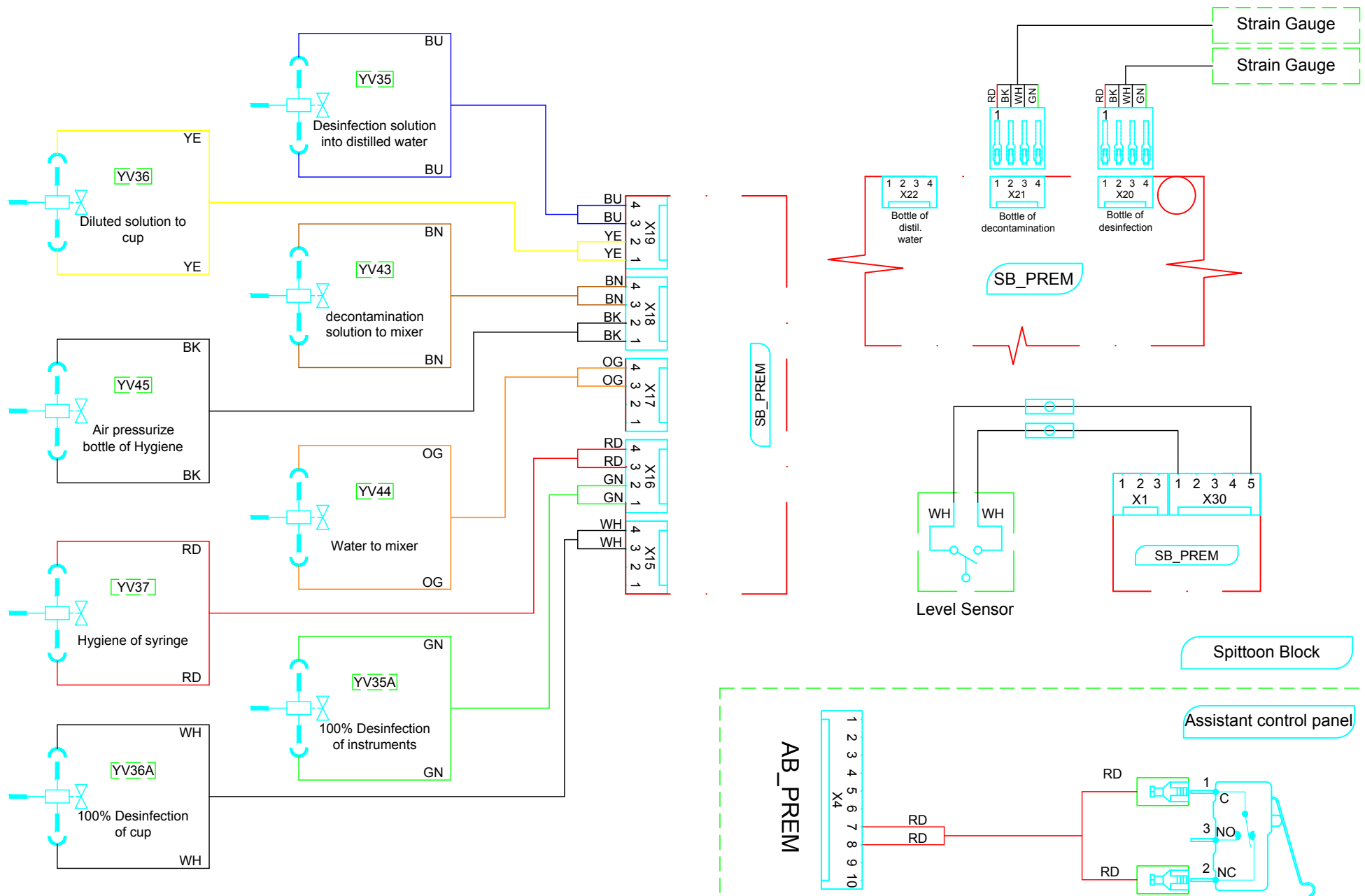
Wiring diagram of the Spittoon Block - Dental Light used for  
MODEL PRO 500 (DC 310), MODEL PRO 700 (DC 350), DC 240, DC 290, DL 210, DL 270, DL 290, DL 320, DL 330, DL 340, DL 380,  
MODEL PRO 600 (DA 270), DA 280, MODEL PRO 800 (DA 370), DA 380  
(17.1.2022)



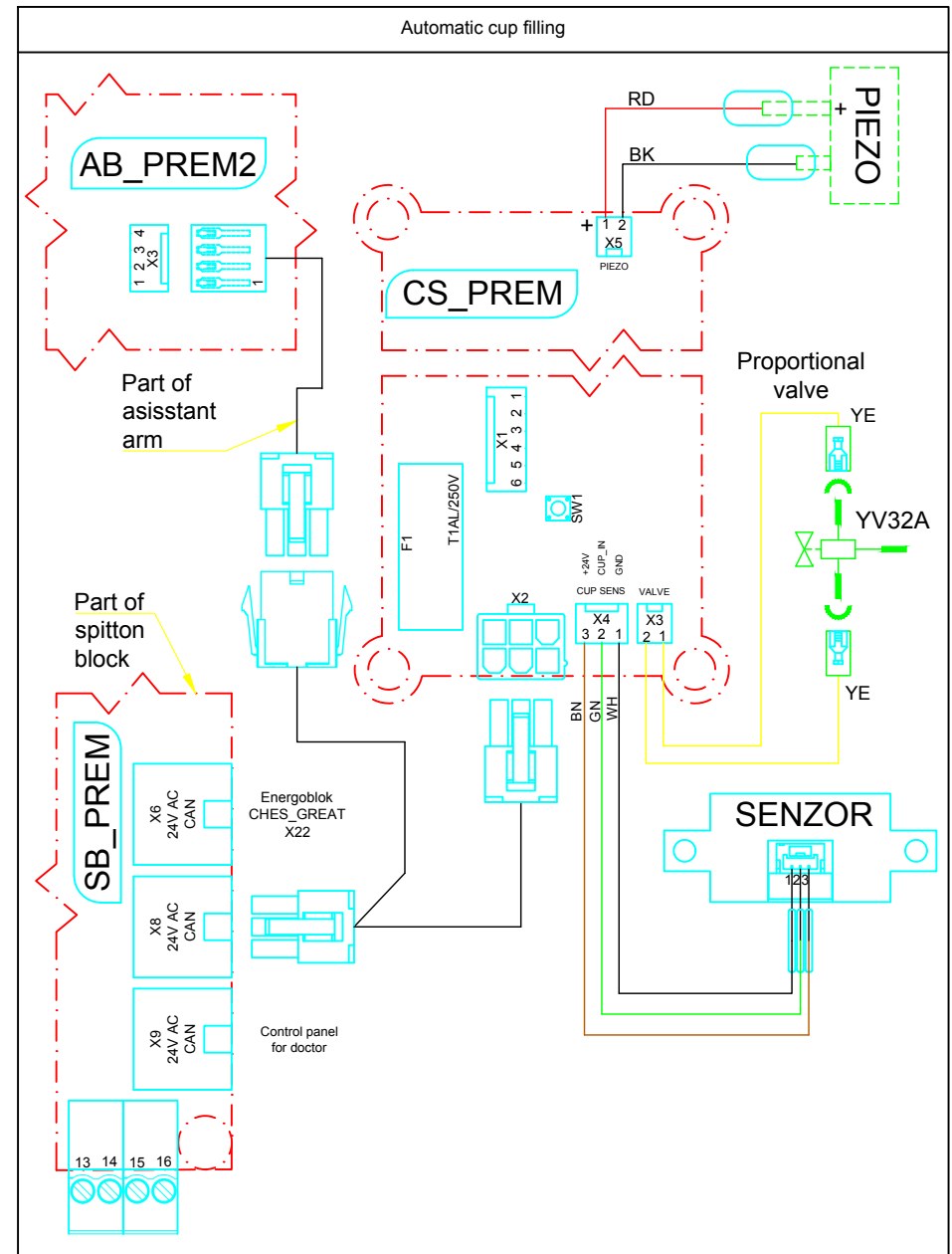
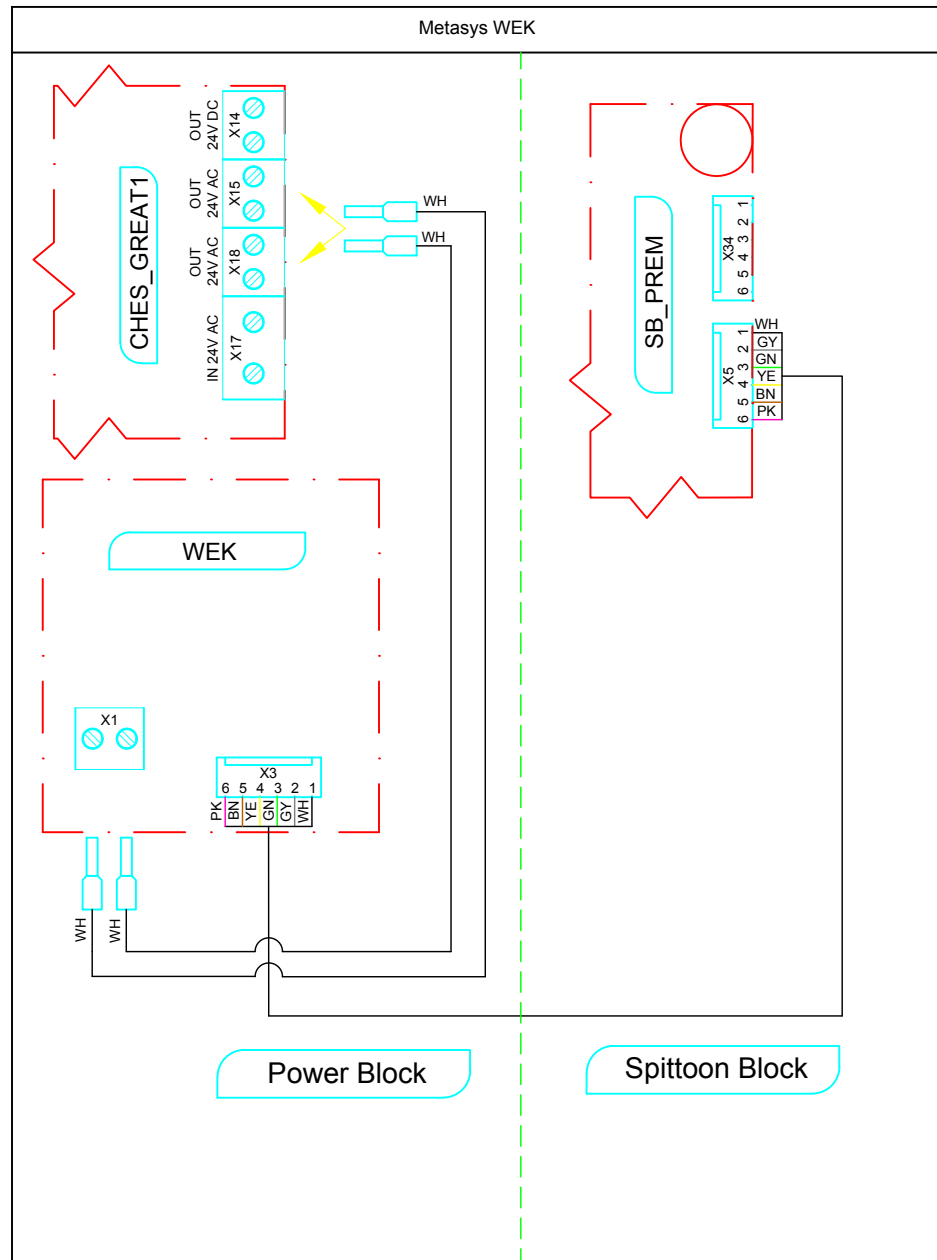
Wiring diagram of the Spittoon Block and Assistant Arm - PLM Lamps used for  
**MODEL PRO 500 (DC 310), MODEL PRO 700 (DC 350), DC 240, DC 290, DL 210, DL 270, DL 290, DL 320, DL 330, DL 340, DL 380,**  
**MODEL PRO 600 (DA 270), DA 280, MODEL PRO 800 (DA 370), DA 380**  
 (24.5.2021)



Wiring diagram of the Spittoon Block and Assistant Arm - Hygiene used for  
**MODEL PRO 500 (DC 310), MODEL PRO 700 (DC 350), DC 240, DL 210, DL 270, DL 290, DL 320, DL 330, DL 340, DL 380,**  
**MODEL PRO 600 (DA 270), DA 280, MODEL PRO 800 (DA 370), DA 380**  
 (7.7.2022)

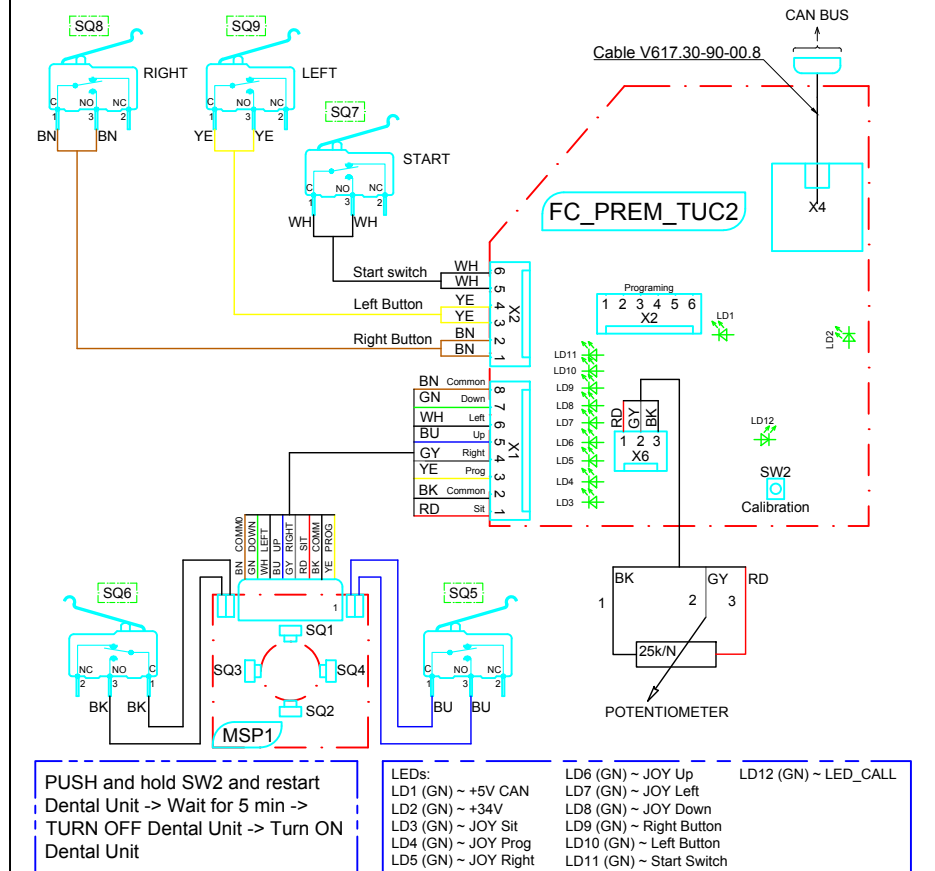


Wiring diagram of the Spittoon Block and Power Block - Metasys WEK, automatic cup filling used for  
**MODEL PRO 500 (DC 310), MODEL PRO 700 (DC 350), DC 240, DC 290, DL 210, DL 270, DL 290, DL 320, DL 330, DL 340, DL 380,**  
**MODEL PRO 600 (DA 270), DA 280, MODEL PRO 800 (DA 370), DA 380**  
 (8.7.2022)

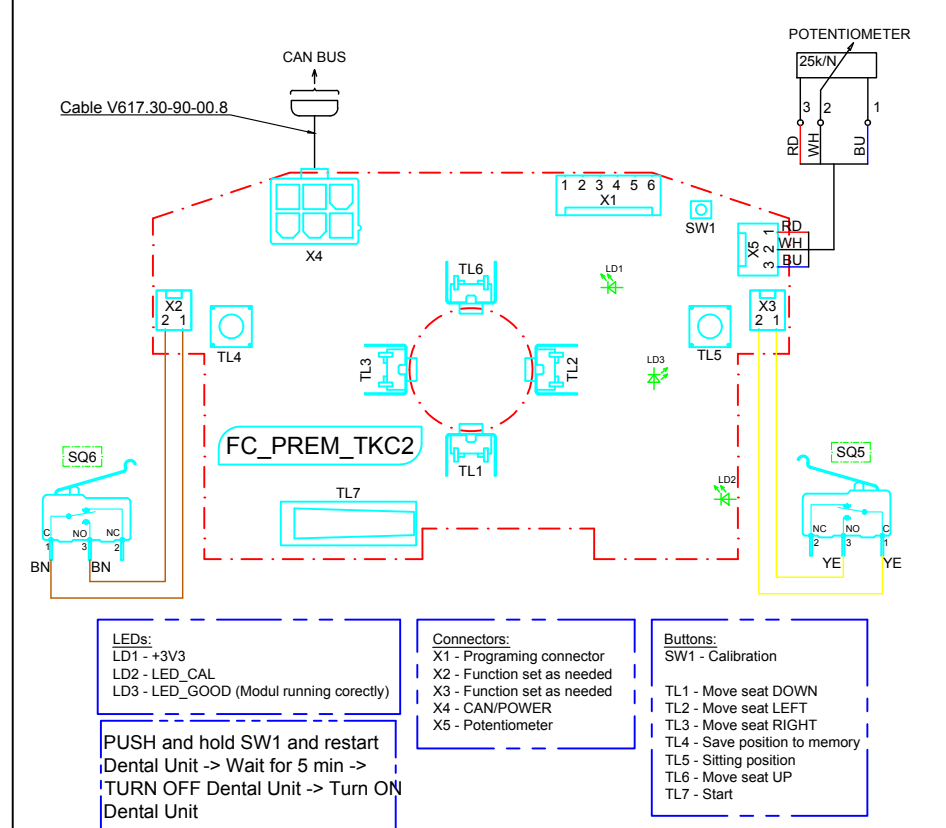


Wiring diagram of the Foot Controller - Wired foot controllers used for  
**MODEL PRO 500 (DC 310), MODEL PRO 700 (DC 350), DC 240, DC 290, DL 210, DL 270, DL 290, DL 320, DL 330, DL 340, DL 380,**  
**MODEL PRO 600 (DA 270), DA 280, MODEL PRO 800 (DA 370), DA 380**  
 (7.7.2022)

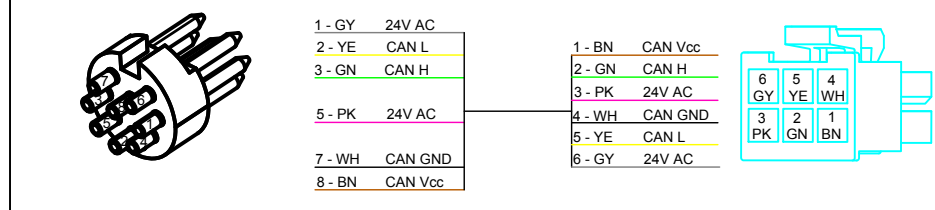
Foot Controller UNO



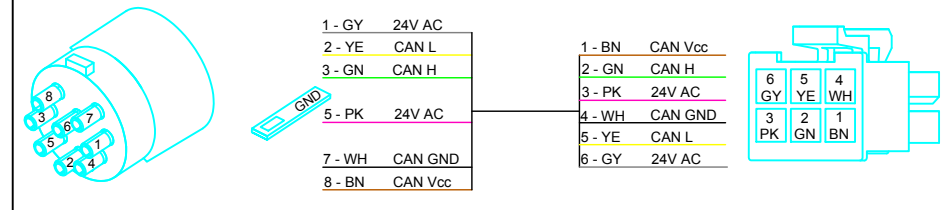
Foot Controller NOK



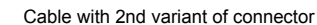
Cable with 1st variant of connector



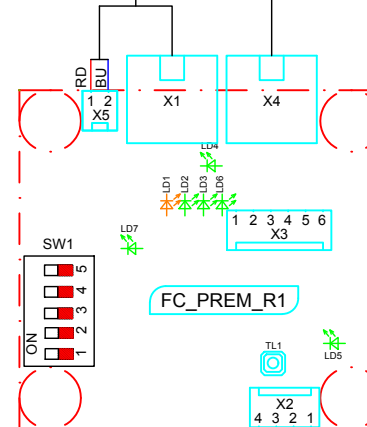
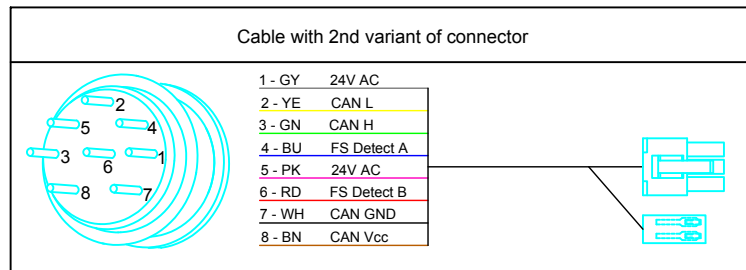
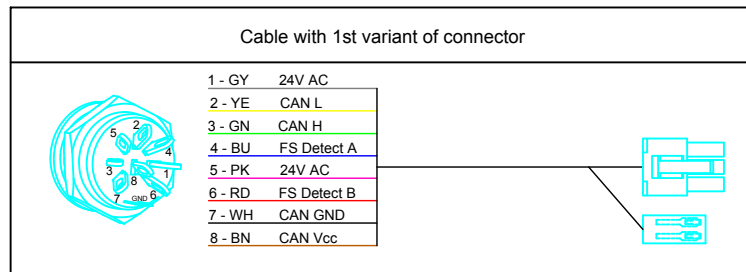
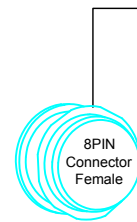
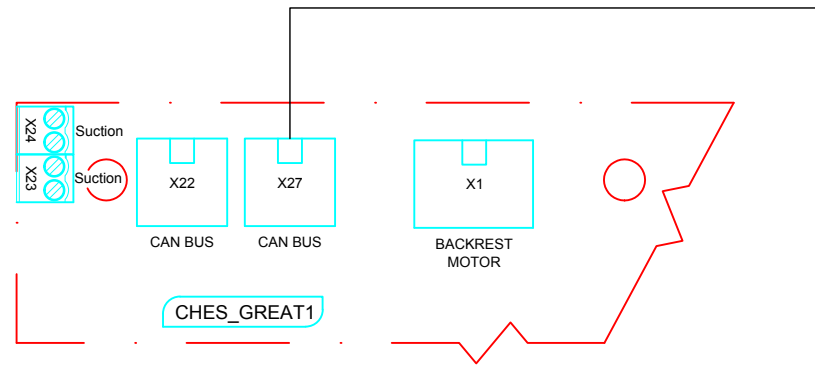
Cable with 1st variant of connector



(7.7.2022)



Wiring diagram of the Power Block - Receiver for wireless foot controllers used for  
**MODEL PRO 500 (DC 310), MODEL PRO 700 (DC 350), DC 240, DC 290, DL 210, DL 270, DL 290, DL 320, DL 330, DL 340, DL 380,**  
**MODEL PRO 600 (DA 270), DA 280, MODEL PRO 800 (DA 370), DA 380**  
 (7.7.2022)

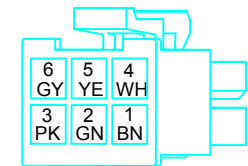


PUSH and hold TL1 and restart Dental Unit ->  
 Wait for 5 min -> TURN  
 OFF Dental Unit -> Turn  
 ON Dental Unit

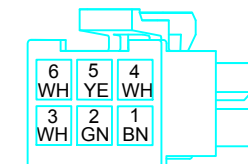
LEDs:  
 LD1 (OG) ~ Communication  
 LD2 (GN) ~ Not used  
 LD3 (GN) ~ Not used  
 LD4 (GN) ~ +5V  
 LD5 (GN) ~ Successfully paired  
 LD6 (GN) ~ System running indication  
 LD7 (GN) ~ Charger cable in

TL1 ~ Pairing Button (only for economy)  
 SW1 ~ Not used (OFF)  
 X1 ~ CAN output for Foot controller  
 X2 ~ Pairing Button (only for economy)  
 X3 ~ Programming connector  
 X4 ~ CAN Input from power block module  
 X5 ~ Foot Controller Detect (functionality  
 test - connect pins with jumper the LED  
 will light up)

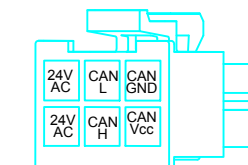
X1



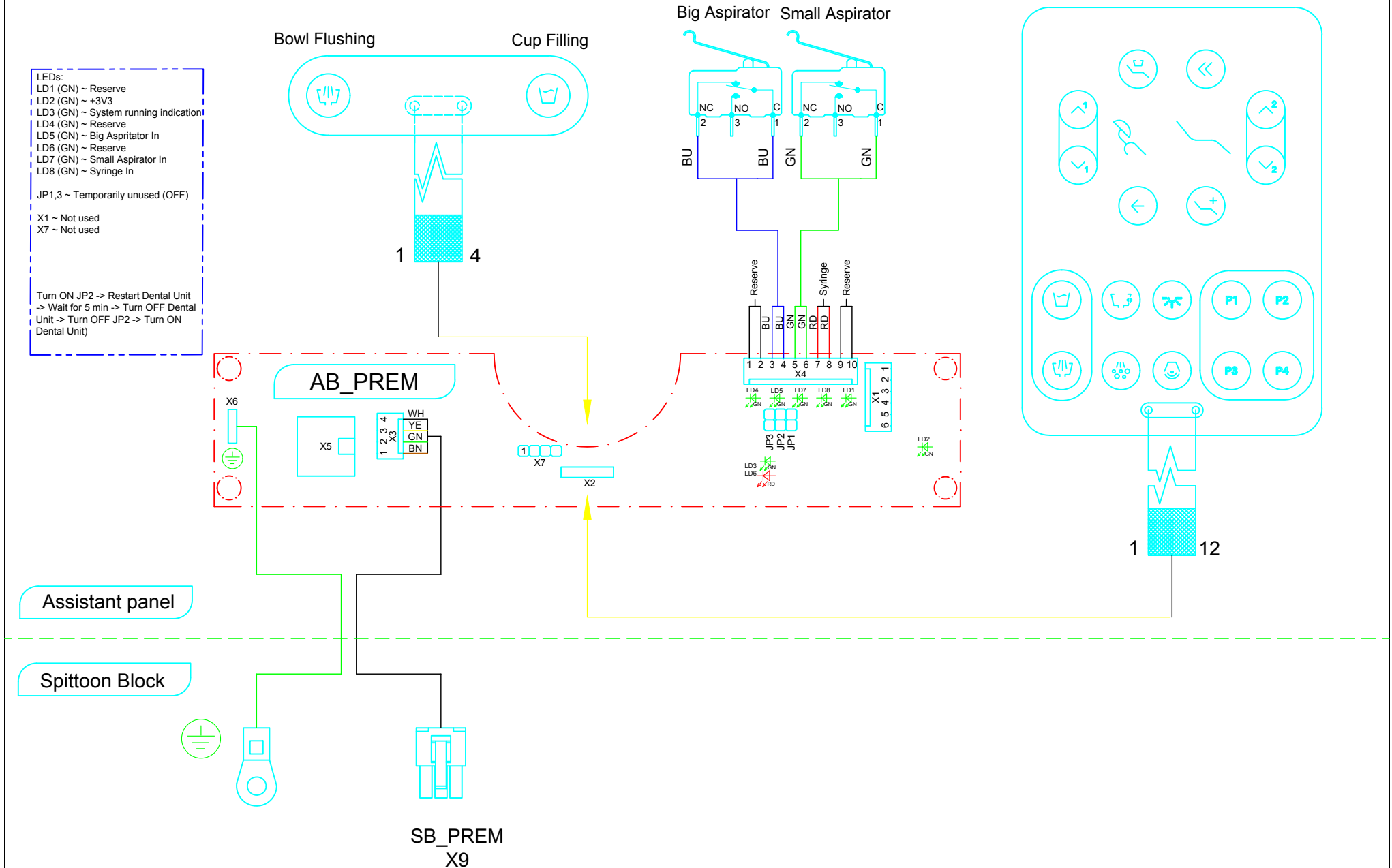
X4



General view of  
 CAN Connectors



Wiring diagram of the Assistant Panel - Modul in assistant panel used for  
**MODEL PRO 500 (DC 310), MODEL PRO 700 (DC 350), DC 240, DC 290, DL 210, DL 270, DL 290, DL 320, DL 330, DL 340, DL 380,**  
**MODEL PRO 600 (DA 270), DA 280, MODEL PRO 800 (DA 370), DA 380**  
 (11.5.2021)



Wiring diagram of the Control Panel - Modul TB\_PREM in control panel used for  
**MODEL PRO 500 (DC 310), MODEL PRO 700 (DC 350), DC 240, DC 290, DL 210, DL 270, DL 290, DL 320, DL 330, DL 340, DL 380,**  
**MODEL PRO 600 (DA 270), DA 280, MODEL PRO 800 (DA 370), DA 380**  
 (7.7.2022)

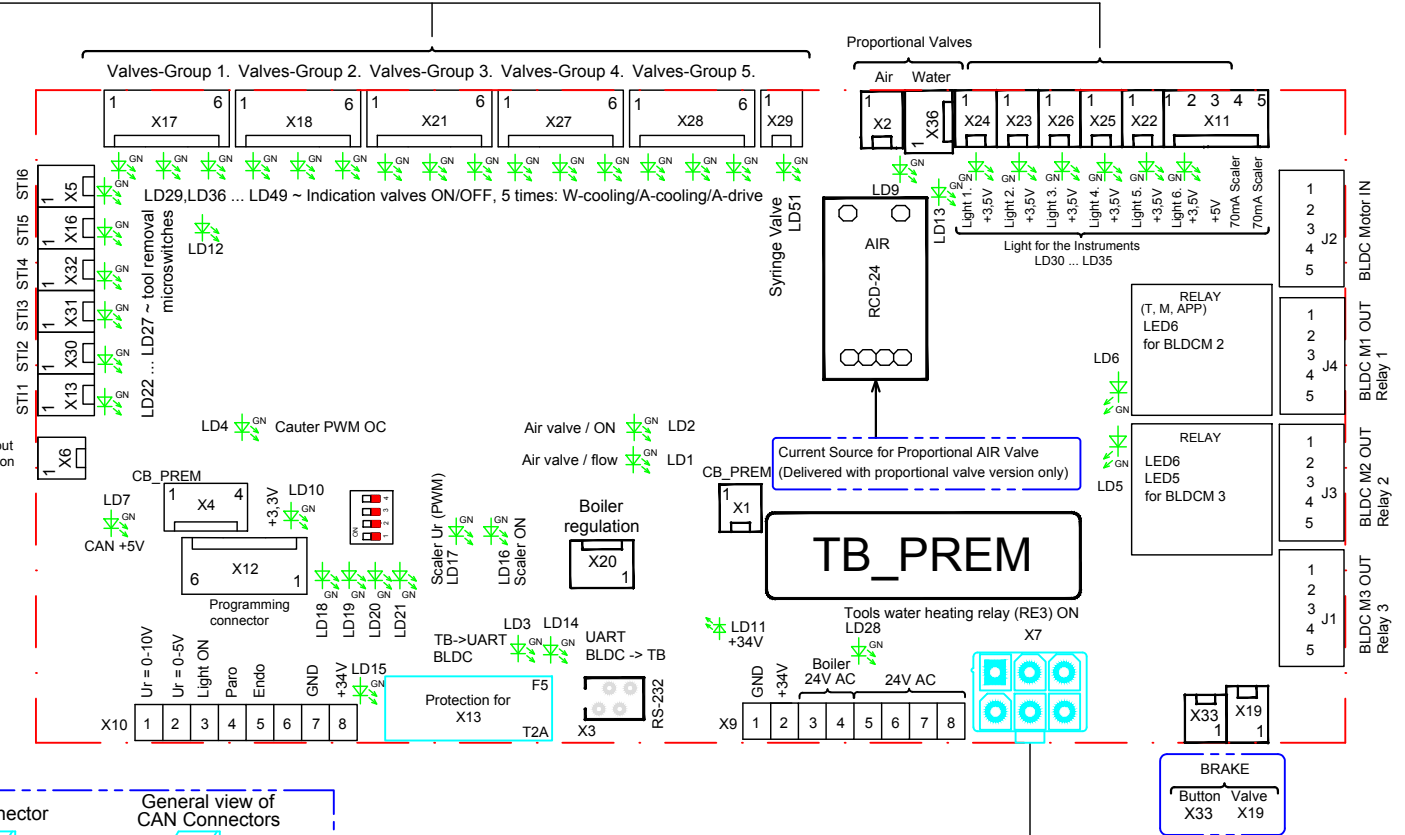
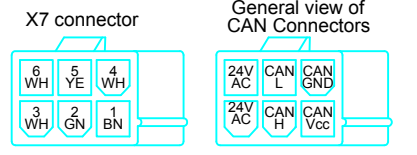
BK - Black (čierna)  
 BN - Brown (hnedá)  
 BU - Blue (modrá)  
 GN - Green (zelená)  
 GNYE - Green/Yellow  
 GY - Grey (sivá)  
 OG - Orange (oranžová)  
 PK - Pink (ružová)  
 RD - Red (červená)  
 VT - Violet (fialová)  
 WH - White (biela)  
 YE - Yellow (žltá)

**Functionally related parts**

- Valves-Group 1. (Connector X17)  
 - Light 1. (Connector X24)
- Valves-Group 2. (Connector X18)  
 - Light 2. (Connector X23)
- Valves-Group 3. (Connector X21)  
 - Light 3. (Connector X26)
- Valves-Group 4. (Connector X27)  
 - Light 4. (Connector X25)
- Valves-Group 5. (Connectors X28)  
 - Light 5. (Connector X22)
- Valves-Group 6. (Connectors X29)  
 - valve for hygiene syringe
- Light 6. (Connector X11)

LD5 ~ BLDC relay 1 ON  
 LD6 ~ BLDC relay 2 ON  
 LD7 ~ CAN +5V  
 LD8 ~ Power Good for Scaler  
 LD9 ~ Water servo - Control  
 LD11 ~ +34V  
 LD12 ~ +24V  
 LD13 ~ Water servo - Power  
 LD15 ~ +34V / Scaler  
 LD16 ~ Scaler ON  
 LD17 ~ Scaler Ur (PWM) (Intensity of LED depends on output intensity of Ur)  
 LD18 ~ Scaler Light  
 LD19 ~ Scaler Paro  
 LD20 ~ Scaler Endo  
 LD21 ~ Scaler Start

1 ~ Normal OFF - If table not contain motors turn ON  
 2 ~ Normal OFF - Factory reset (Turn ON DIP SW2 -> Restart Dental Unit -> Wait for 5 min -> Turn OFF Dental Unit -> Turn OFF DIP SW2 -> Turn ON Dental Unit)  
 3 ~ Normal OFF - not used  
 4 ~ Normal OFF - not used



Control Panel - Base

Pantograph of the Control Panel

Pillar

Spittoon Block / Power Block / Pillar Base

Bundle of the Control Panel

Communication and 24V AC  
 SB\_PREM X6, X8, X9  
 Spittoon Block

Wiring diagram of the Control Panel - Modul CB\_PREM, USB\_PREM and BT\_BUTTON in control panel used for  
**MODEL PRO 500 (DC 310), MODEL PRO 700 (DC 350), DC 240, DC 290, DL 210, DL 270, DL 290, DL 320, DL 330, DL 340, DL 380,**  
**MODEL PRO 600 (DA 270), DA 280, MODEL PRO 800 (DA 370), DA 380**  
 (7.7.2022)

BK - Black (čierna)  
 BN - Brown (hnedá)  
 BU - Blue (modrá)  
 GN - Green (zelená)  
 GNYE - Green/Yellow  
 GY - Grey (sivá)  
 OG - Orange (oranžová)  
 PK - Pink (ružová)  
 RD - Red (červená)  
 VT - Violet (fialová)  
 WH - White (biela)  
 YE - Yellow (žltá)

LD1 (GN) ~ Power Supply indication +5V  
 LD2 (GN) ~ Board supply indication +3V3  
 LD3 (GN) ~ USB present indication  
 LD4 (GN) ~ CAN bus supply indication +5V  
 LD5 (GN) ~ Write to USB indication  
 LD6 (GN) ~ Temporarily unused  
 LD7 (BU) ~ Bluetooth connection indication  
 LD8 (RD) ~ All Error indication  
 LD9 (YE) ~ Heartbeat - system run indication  
 LD10 (GN) ~ Write to SD card indication  
 LD11 (GN) ~ SD card present indication

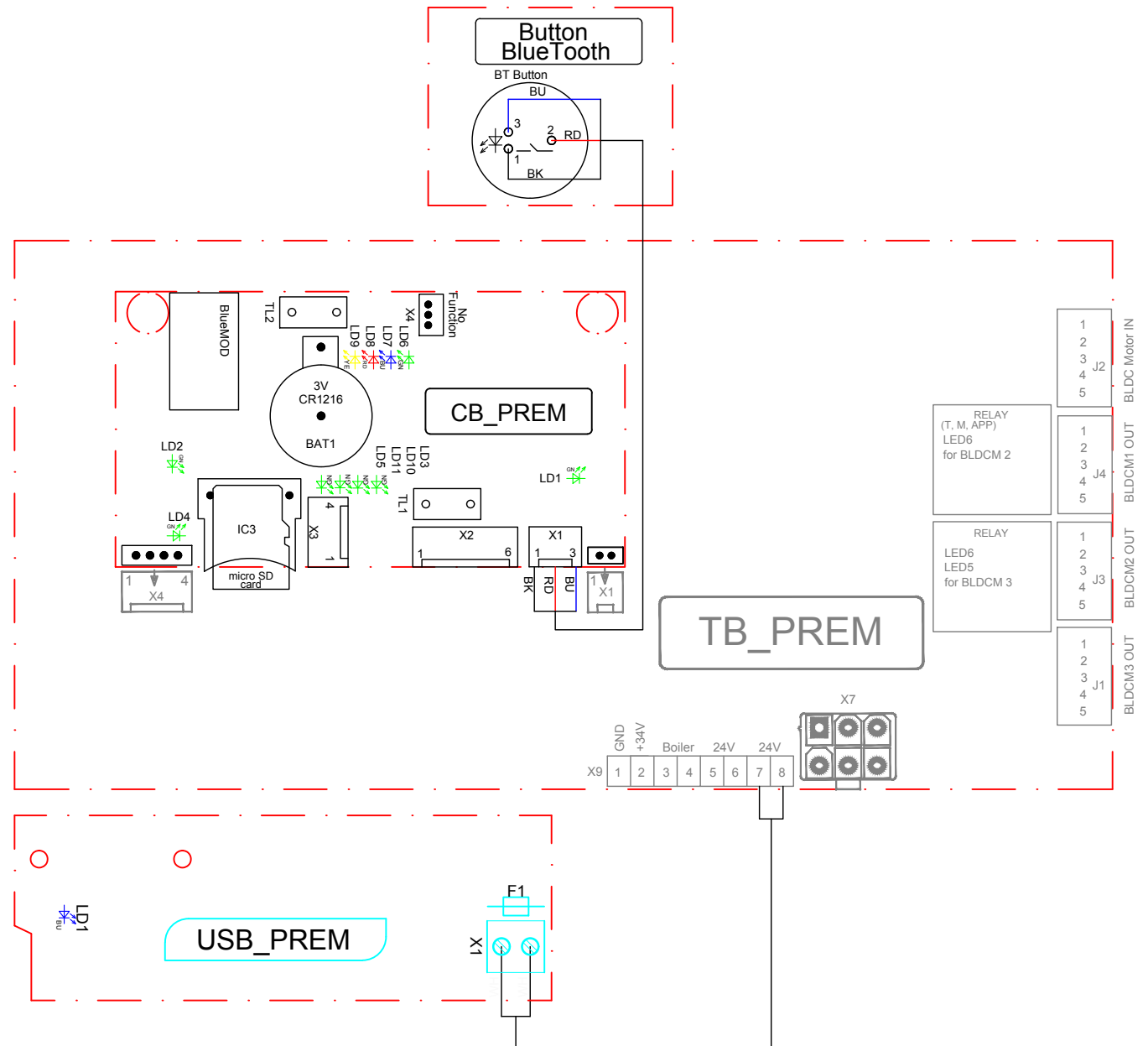
LED on BT button  
 Blinking - not connected  
 Permanently lit - connected

TL1 ~ Board Reset  
 TL2 ~ Factory reset (Hold ON TL2 at the same time press TL1 and release buttons -> Wait for 5min -> Restart Dental Unit)

X1 ~ BlueTooth Button  
 X2 ~ Programming  
 X3 ~ USB (Temporarily unused)  
 X4 ~ Temporarily unused

### USB\_PREM:

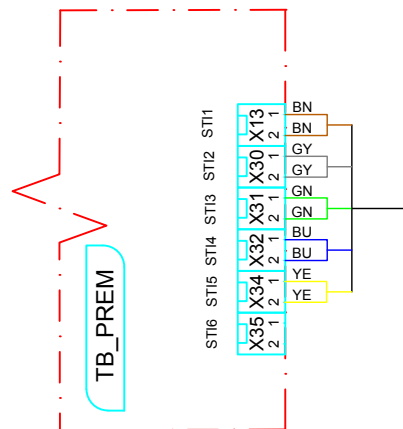
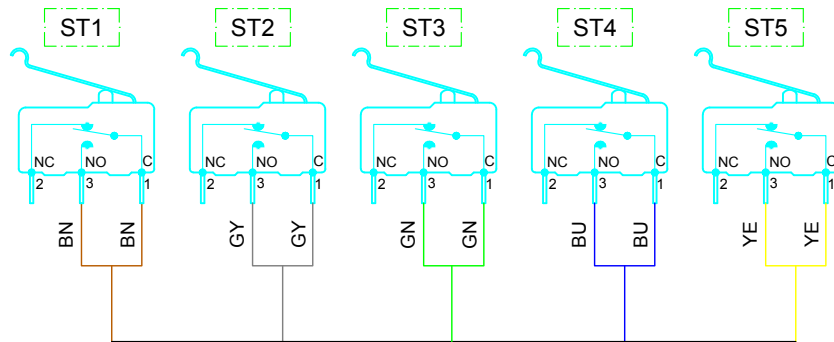
LD1 (BU) ~ Power Supply indication +5V



Wiring diagram of the Control Panel - Connection of the taking-off sensors in control panel used for  
**MODEL PRO 500 (DC 310), MODEL PRO 700 (DC 350), DC 240, DC 290, DL 210, DL 270, DL 290, DL 320, DL 330, DL 340, DL 380,**  
**MODEL PRO 600 (DA 270), DA 280, MODEL PRO 800 (DA 370), DA 380**  
 (15.1.2021)

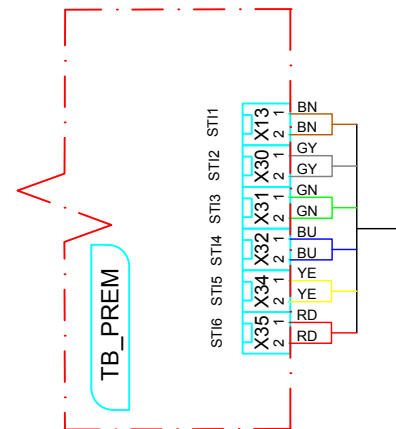
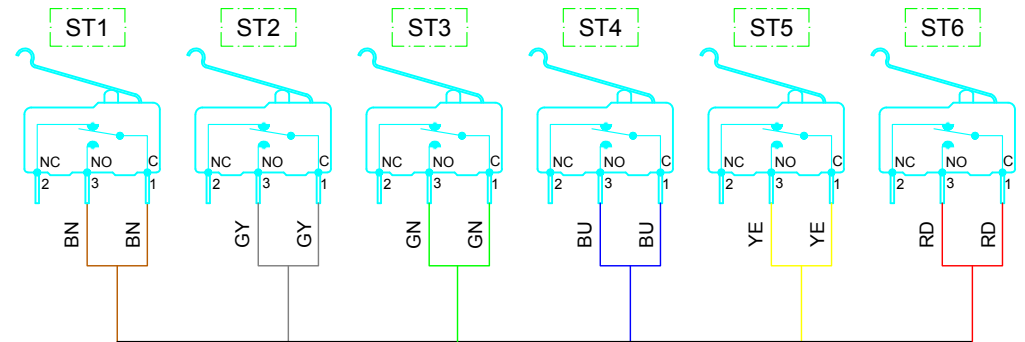
BK - Black (čierna)  
 BN - Brown (hnedá)  
 BU - Blue (modrá)  
 GN - Green (zelená)  
 GNYE - Green/Yellow  
 GY - Grey (sivá)  
 OG - Orange (oranžová)  
 PK - Pink (ružová)  
 RD - Red (červená)  
 VT - Violet (fialová)  
 WH - White (biela)  
 YE - Yellow (žltá)

Control panel with 5 instruments,  
upper hose delivery



Note: if dental unit not contain hygiene  
do not connect syringe switch

Control panel with 6 instruments,  
upper hose delivery

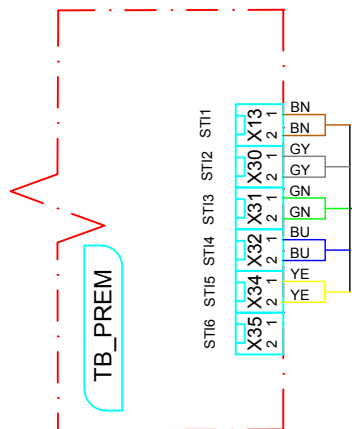
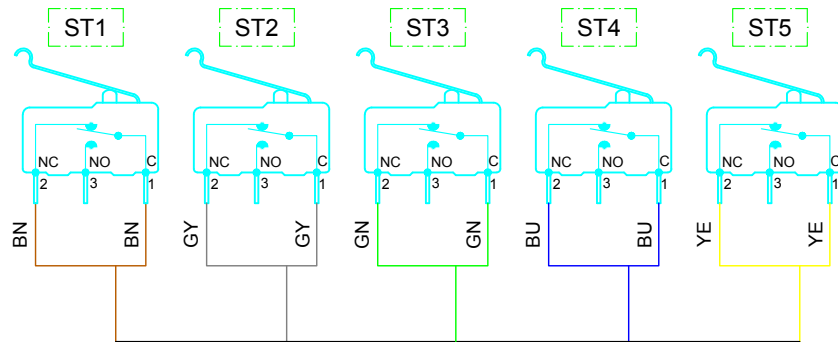


Note: if dental unit not contain hygiene  
do not connect syringe switch

Wiring diagram of the Control Panel - Connection of the taking-off sensors in control panel used for  
**MODEL PRO 500 (DC 310), MODEL PRO 700 (DC 350), DC 240, DC 290, DL 210, DL 270, DL 290, DL 320, DL 330, DL 340, DL 380,**  
**MODEL PRO 600 (DA 270), DA 280, MODEL PRO 800 (DA 370), DA 380**  
 (1.4.2021)

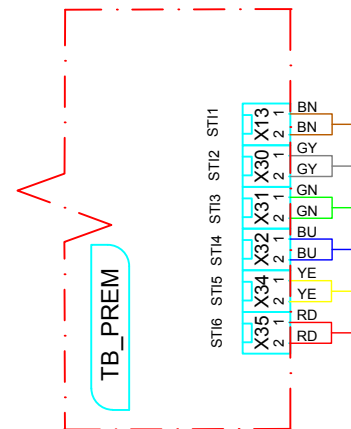
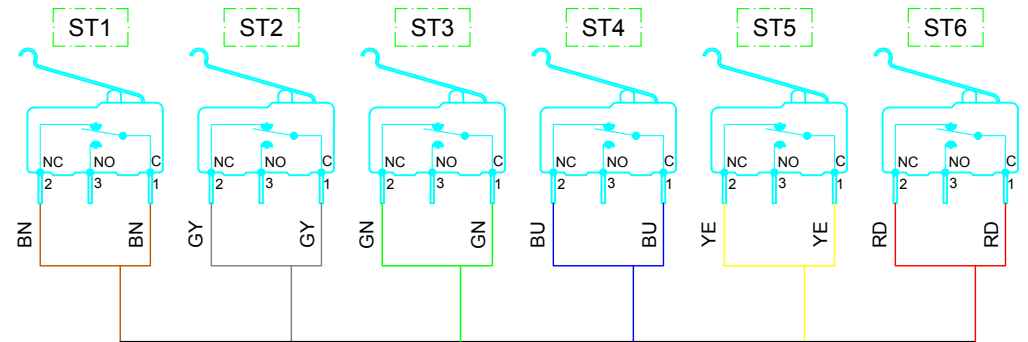
BK - Black (čierna)  
 BN - Brown (hnedá)  
 BU - Blue (modrá)  
 GN - Green (zelená)  
 GNYE - Green/Yellow  
 GY - Grey (sivá)  
 OG - Orange (oranžová)  
 PK - Pink (ružová)  
 RD - Red (červená)  
 VT - Violet (fialová)  
 WH - White (biela)  
 YE - Yellow (žltá)

Control panel with 5 instruments,  
lower hose delivery



Note: if dental unit not contain hygiene  
do not connect syringe switch

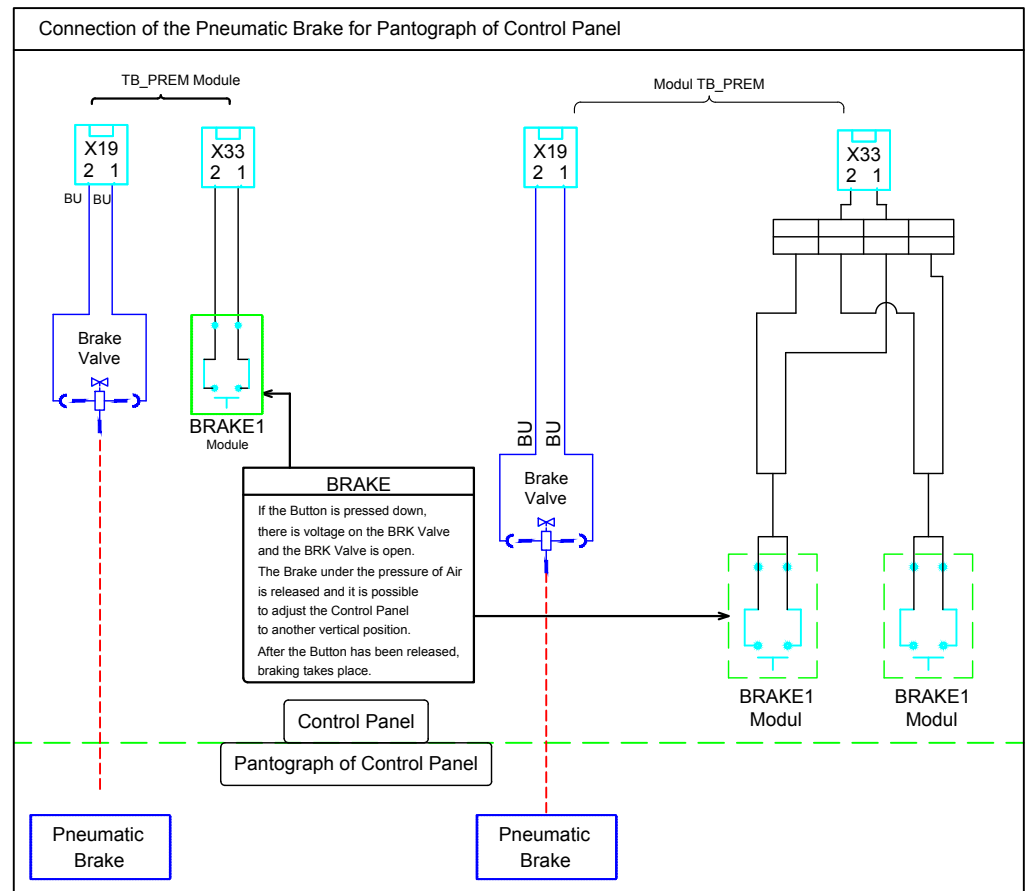
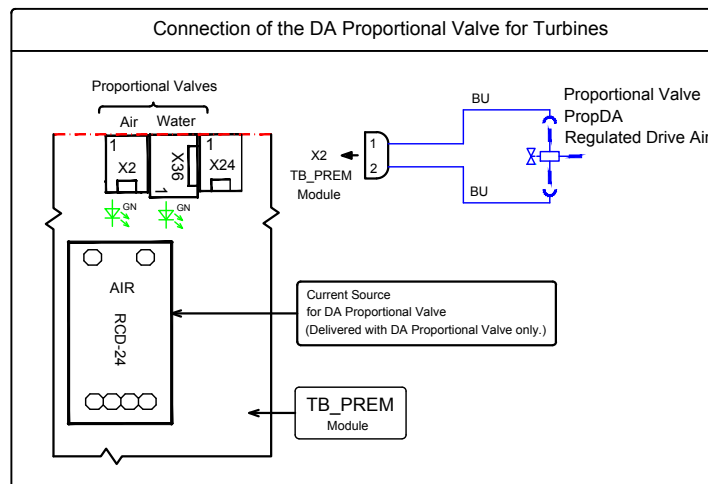
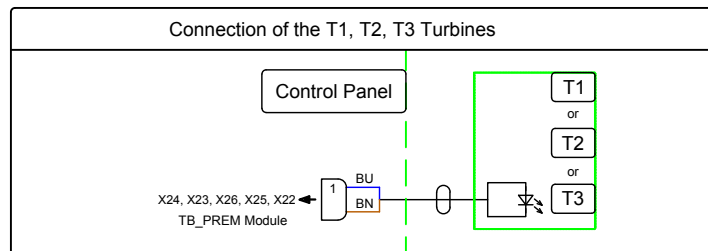
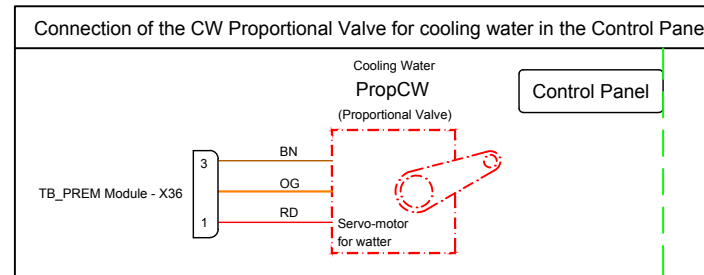
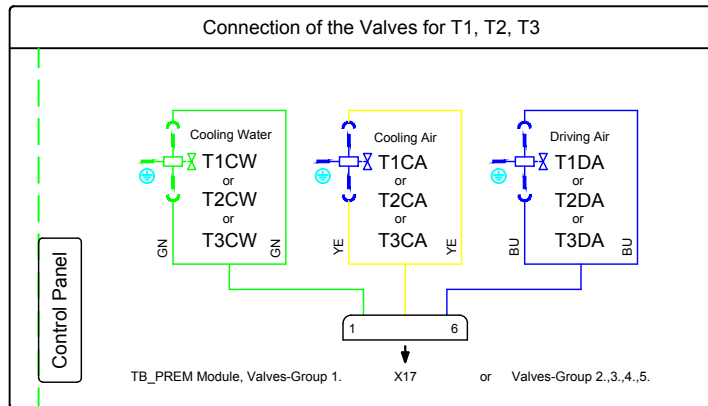
Control panel with 6 instruments,  
lower hose delivery



Note: if dental unit not contain hygiene  
do not connect syringe switch

Wiring diagram of the Control Panel - Connection of the Turbine, Proportional Valves, Pneumatic brake in control panel used for  
**MODEL PRO 500 (DC 310), MODEL PRO 700 (DC 350), DC 240, DC 290, DL 210, DL 270, DL 290, DL 320, DL 330, DL 340, DL 380,**  
**MODEL PRO 600 (DA 270), DA 280, MODEL PRO 800 (DA 370), DA 380**  
 (24.5.2021)

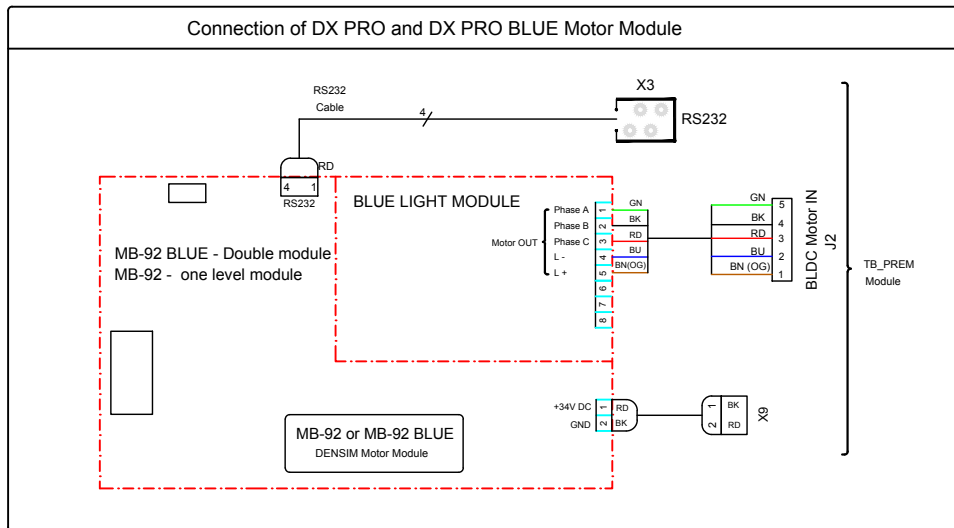
BK - Black (čierna)  
 BN - Brown (hnedá)  
 BU - Blue (modrá)  
 GN - Green (zelená)  
 GNYE - Green/Yellow  
 GY - Grey (sivá)  
 OG - Orange (oranžová)  
 PK - Pink (ružová)  
 RD - Red (červená)  
 VT - Violet (fialová)  
 WH - White (biela)  
 YE - Yellow (žltá)



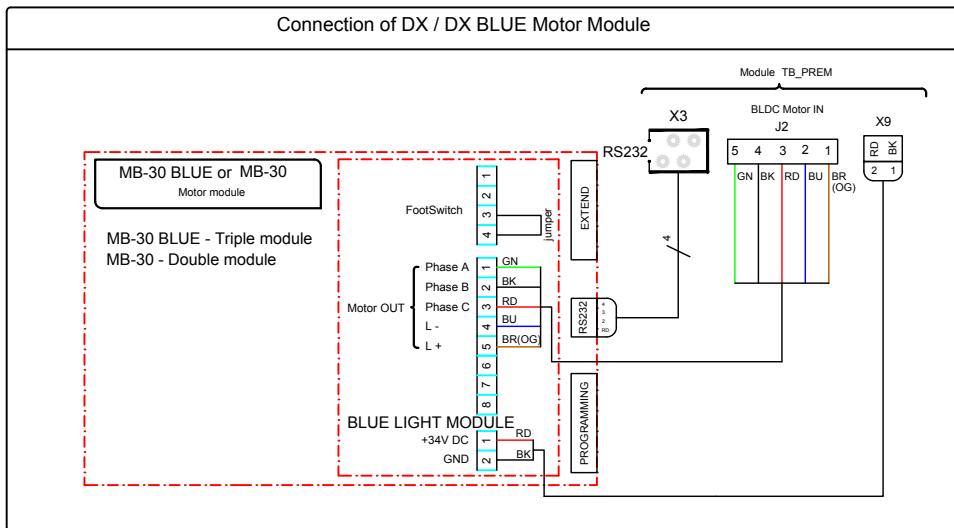
Wiring diagram of the Control Panel - Connection of the Motors and Modules for Motors, Valves for motors in control panel used for  
**MODEL PRO 500 (DC 310), MODEL PRO 700 (DC 350), DC 240, DC 290, DL 210, DL 270, DL 290, DL 320, DL 330, DL 340, DL 380,**  
**MODEL PRO 600 (DA 270), DA 280, MODEL PRO 800 (DA 370), DA 380**  
 (15.1.2021)

BK - Black (čierna)  
 BN - Brown (hnedá)  
 BU - Blue (modrá)  
 GN - Green (zelená)  
 GNYE - Green/Yellow  
 GY - Grey (sivá)  
 OG - Orange (oranžová)  
 PK - Pink (ružová)  
 RD - Red (červená)  
 VT - Violet (fialová)  
 WH - White (biela)  
 YE - Yellow (žltá)

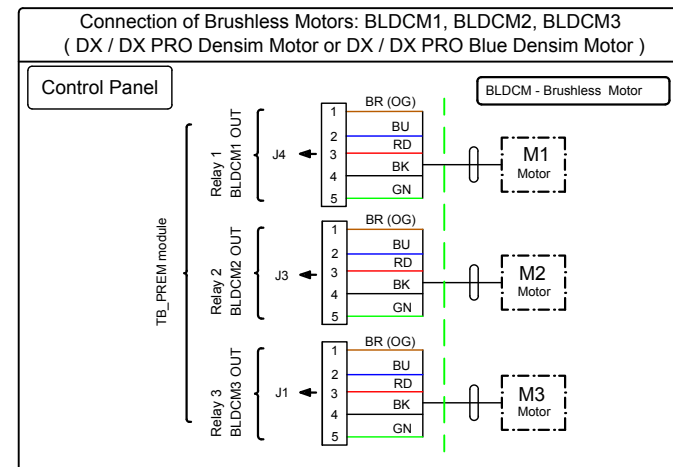
### Connection of DX PRO and DX PRO BLUE Motor Module



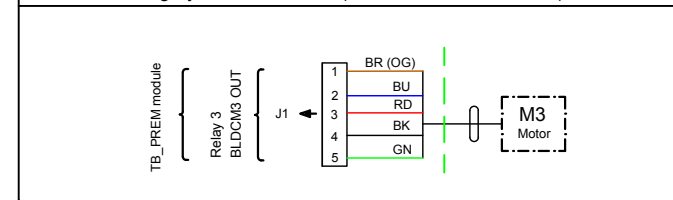
### Connection of DX / DX BLUE Motor Module



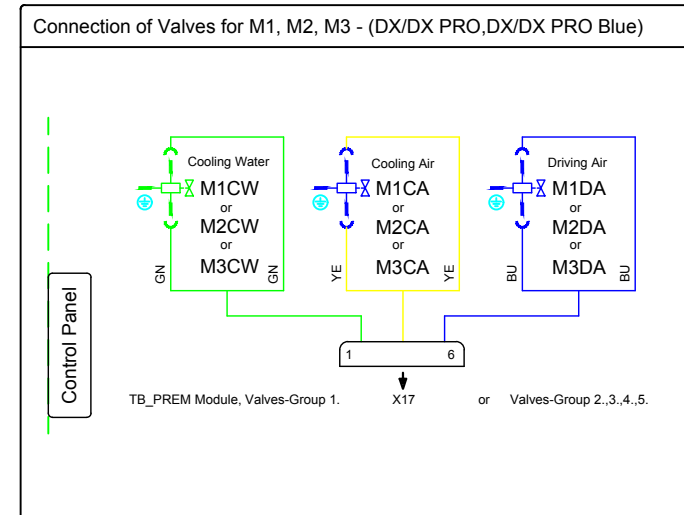
### Connection of Brushless Motors: BLDCM1, BLDCM2, BLDCM3 (DX / DX PRO Densim Motor or DX / DX PRO Blue Densim Motor)



### Alternative connection of surgery motor: BLDCM3( DX SRG Densim Motor )

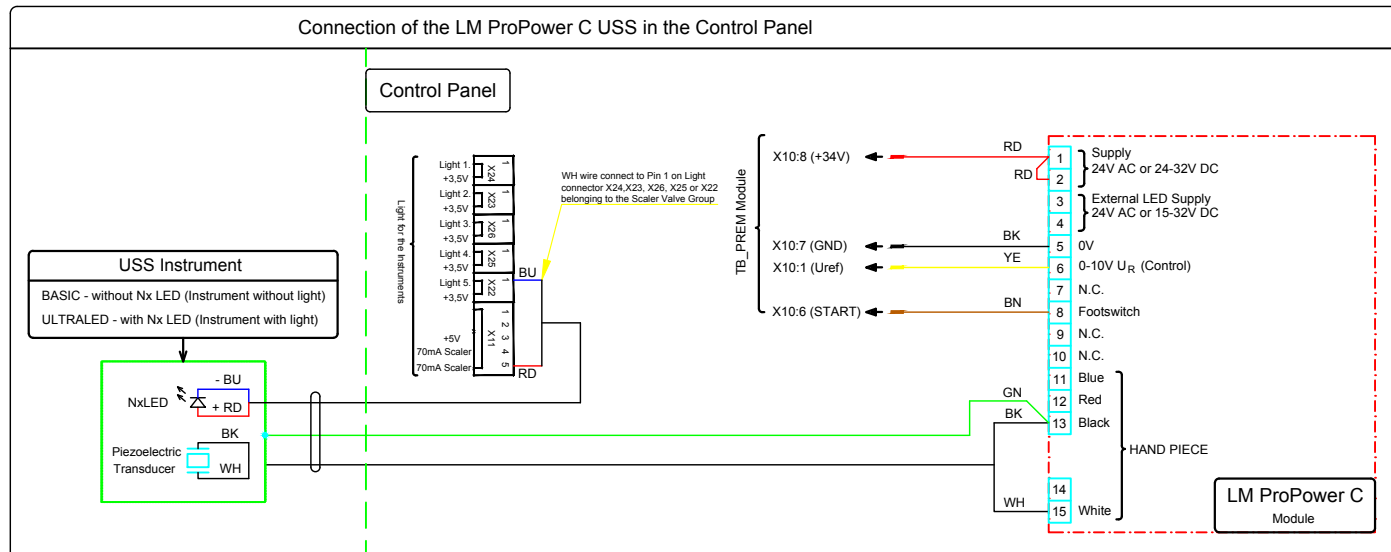
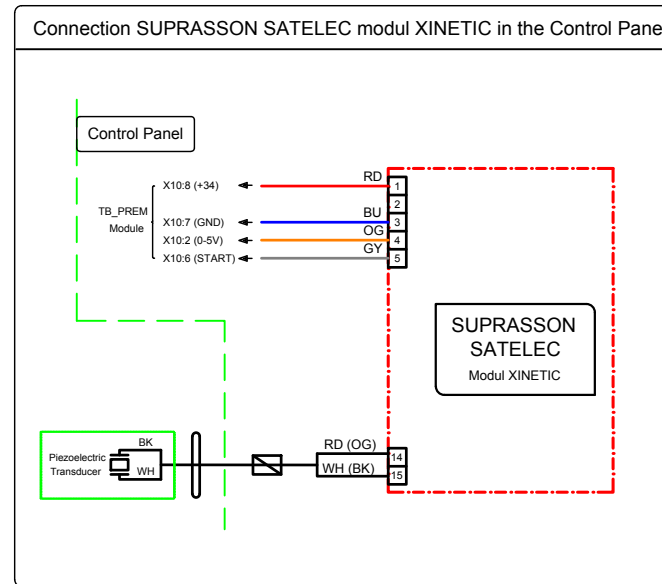
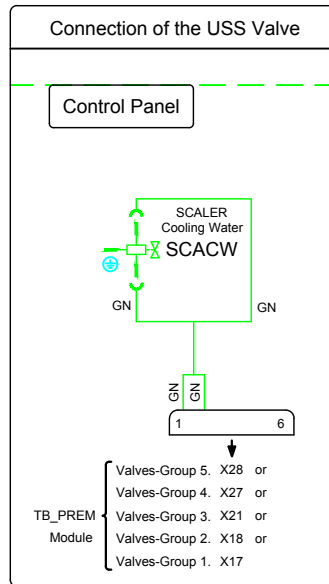


### Connection of Valves for M1, M2, M3 - (DX/DX PRO,DX/DX PRO Blue)



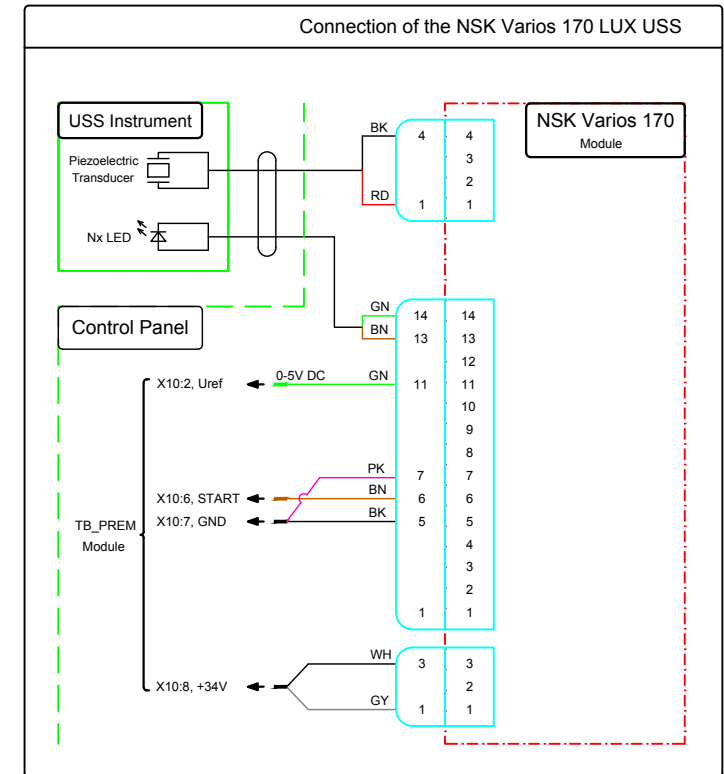
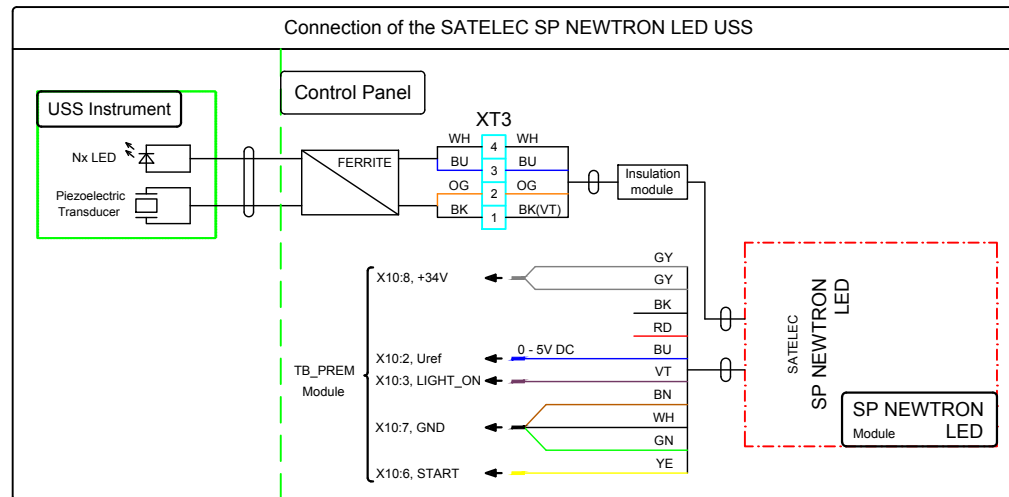
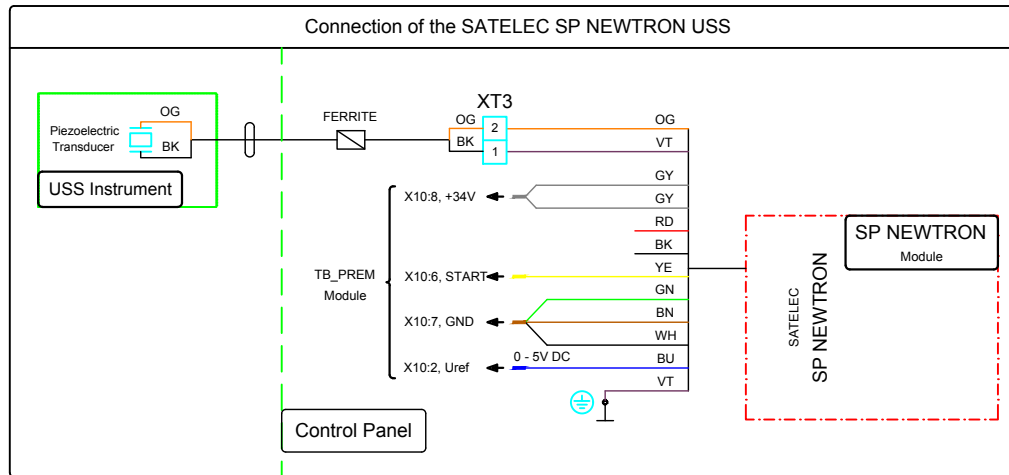
Wiring diagram of the Control Panel - Connection of the Scaler XINETIC, LM ProPower C USS, Valve for Scaler in control panel used for  
**MODEL PRO 500 (DC 310), MODEL PRO 700 (DC 350), DC 240, DC 290, DL 210, DL 270, DL 290, DL 320, DL 330, DL 340, DL 380,**  
**MODEL PRO 600 (DA 270), DA 280, MODEL PRO 800 (DA 370), DA 380**  
 (6.7.2021)

BK - Black (čierna)  
 BN - Brown (hnedá)  
 BU - Blue (modrá)  
 GN - Green (zelená)  
 GNYE - Green/Yellow  
 GY - Grey (sivá)  
 OG - Orange (oranžová)  
 PK - Pink (ružová)  
 RD - Red (červená)  
 VT - Violet (fialová)  
 WH - White (biela)  
 YE - Yellow (žltá)

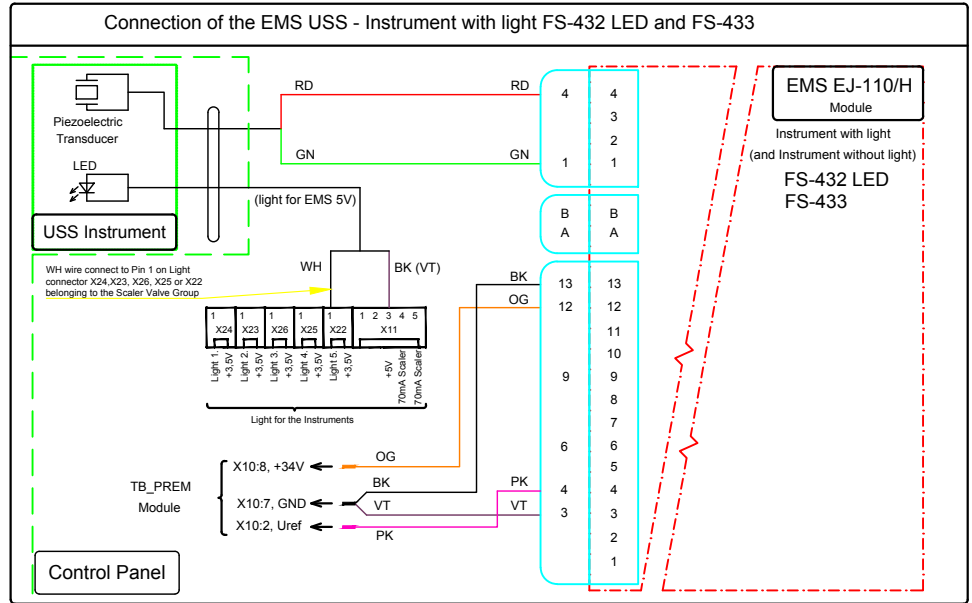
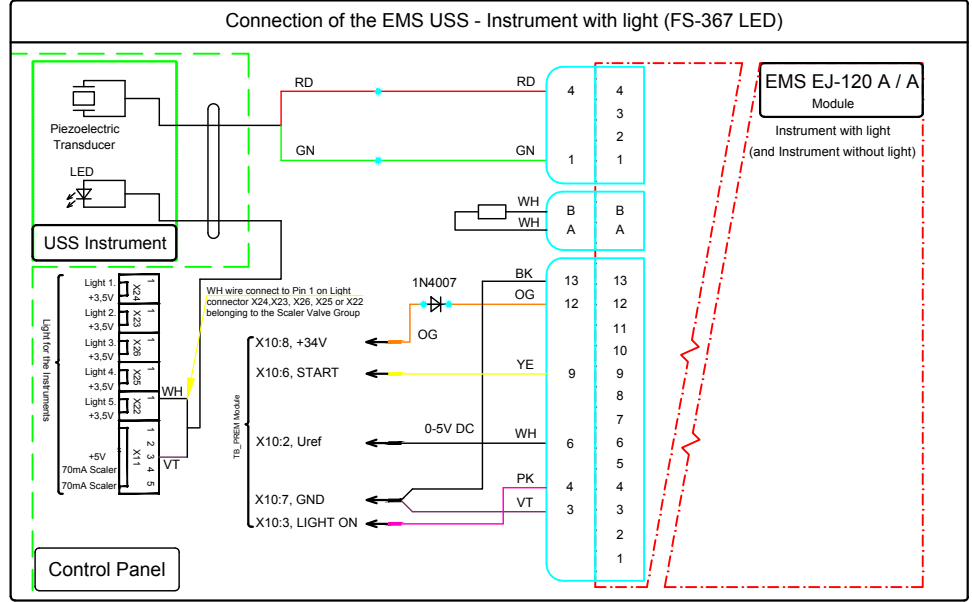
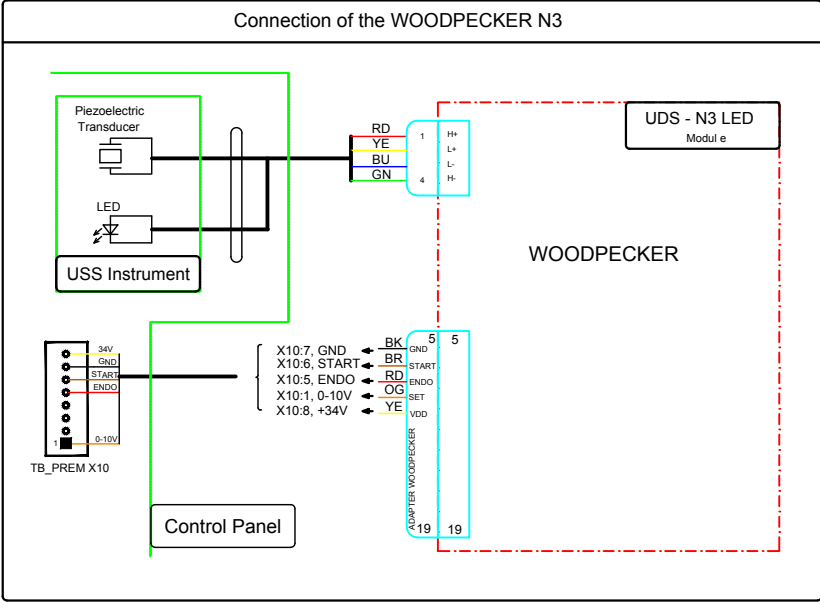


Wiring diagram of the Control Panel - Connection of the Scaler SP NEWTRON and NEWTRON LED, NSK VARIOS 170 and VARIOS 170 LED, Valve for Scaler in control panel used for  
**MODEL PRO 500 (DC 310), MODEL PRO 700 (DC 350), DC 240, DC 290, DL 210, DL 270, DL 290, DL 320, DL 330, DL 340, DL 380,**  
**MODEL PRO 600 (DA 270), DA 280, MODEL PRO 800 (DA 370), DA 380**  
 (15.1.2021)

BK - Black (čierna)  
 BN - Brown (hnedá)  
 BU - Blue (modrá)  
 GN - Green (zelená)  
 GNYE - Green/Yellow  
 GY - Grey (sivá)  
 OG - Orange (oranžová)  
 PK - Pink (ružová)  
 RD - Red (červená)  
 VT - Violet (fialová)  
 WH - White (biela)  
 YE - Yellow (žltá)

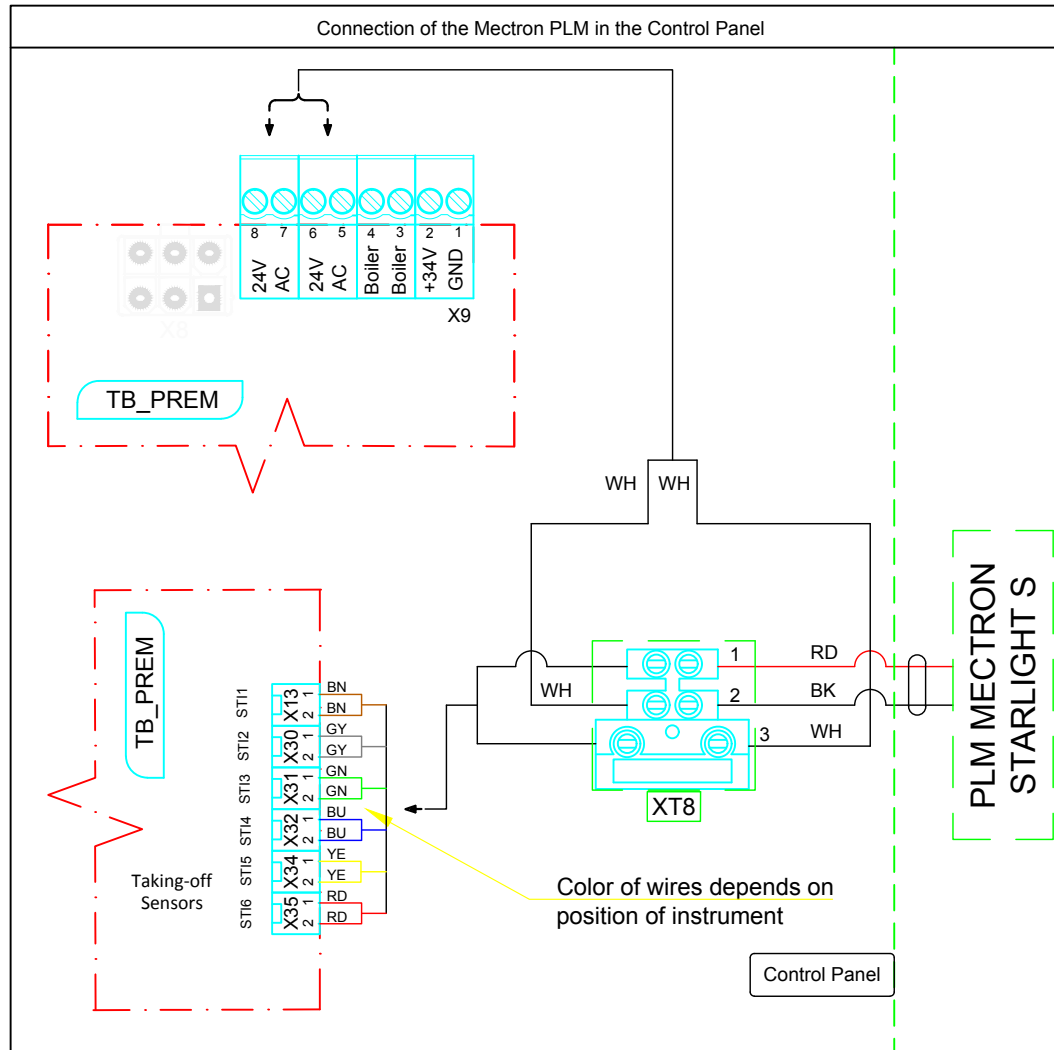


Wiring diagram of the Control Panel - Connection of the Scaler SP NEWTRON and NEWTRON LED, NSK VARIOS 170 and VARIOS 170 LED, Valve for Scaler in control panel used for  
MODEL PRO 500 (DC 310), MODEL PRO 700 (DC 350), DC 240, DC 290, DL 210, DL 270, DL 290, DL 320, DL 330, DL 340, DL 380,  
MODEL PRO 600 (DA 270), DA 280, MODEL PRO 800 (DA 370), DA 380  
(15.1.2021)

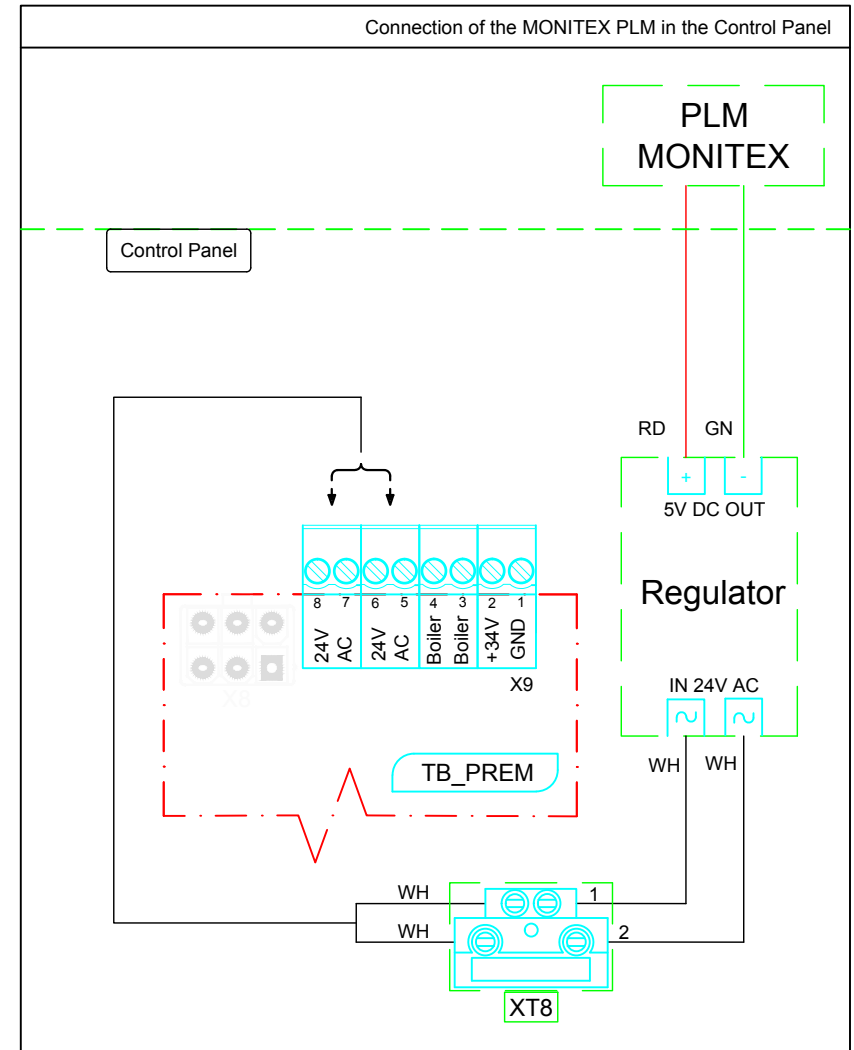


Wiring diagram of the Control Panel - Connection of the PLM instruments in control panel used for  
**MODEL PRO 500 (DC 310), MODEL PRO 700 (DC 350), DC 240, DC 290, DL 210, DL 270, DL 290, DL 320, DL 330, DL 340, DL 380,**  
**MODEL PRO 600 (DA 270), DA 280, MODEL PRO 800 (DA 370), DA 380**  
 (15.1.2021)

Connection of the Mectron PLM in the Control Panel

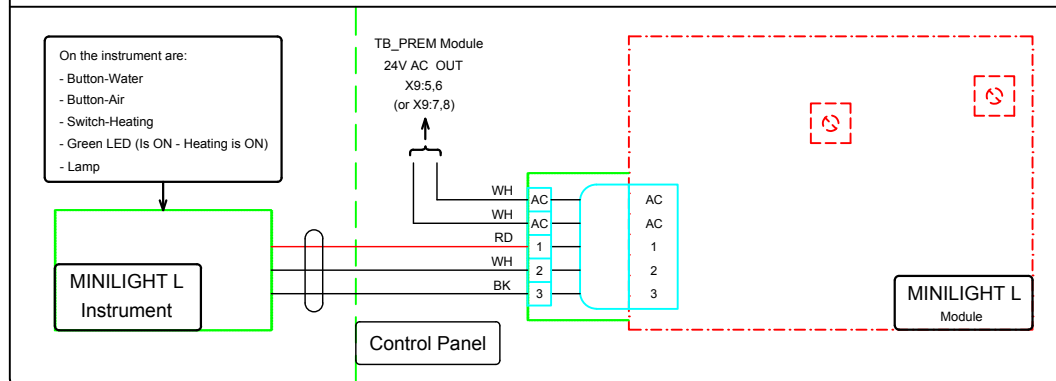


Connection of the MONITEX PLM in the Control Panel

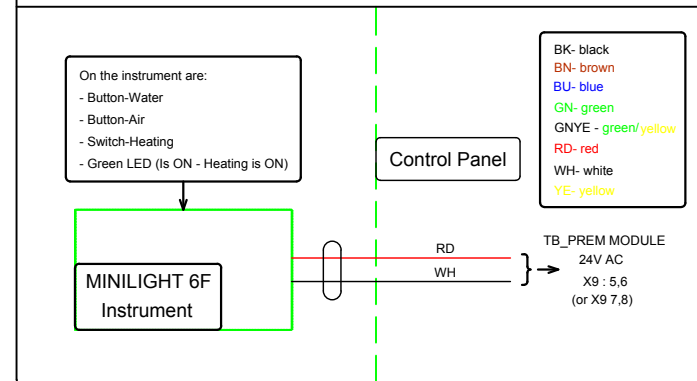


Wiring diagram of the Control Panel - Connection of the Syringe, Water heating, Hygiene Valve for Syringe, Peristaltic Pump in control panel used for  
**MODEL PRO 500 (DC 310), MODEL PRO 700 (DC 350), DC 240, DC 290, DL 210, DL 270, DL 290, DL 320, DL 330, DL 340, DL 380,**  
**MODEL PRO 600 (DA 270), DA 280, MODEL PRO 800 (DA 370), DA 380**  
 (15.1.2021)

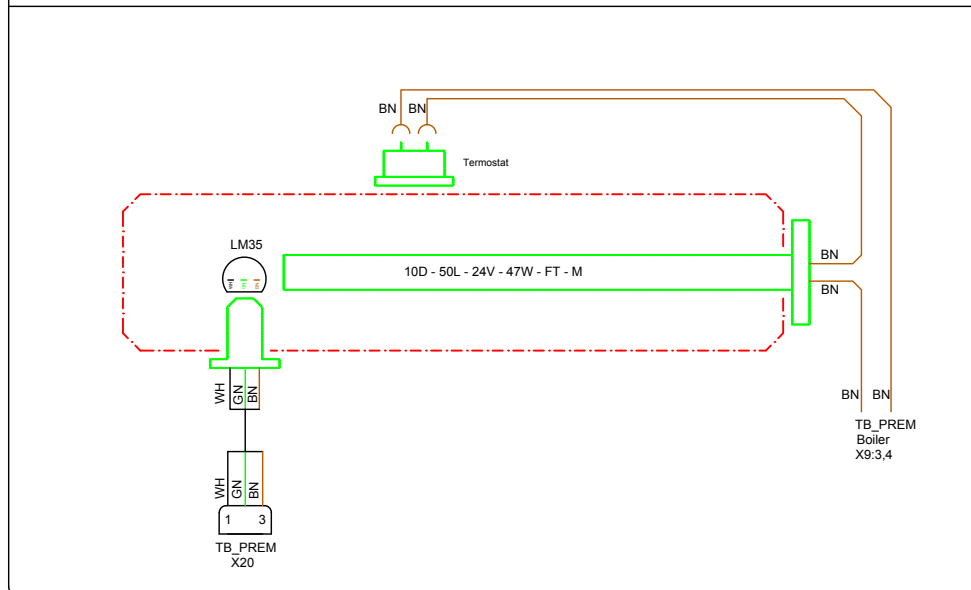
Connection of the MINILIGHT L Syringe (6F + light) in the Control Panel



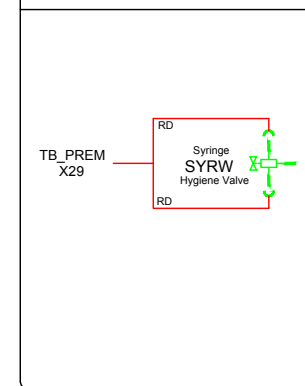
Connection of the MINILIGHT 6F Syringe (without light) in the Control Panel



Connection of the Water heating of Instrument



Hygiene



Connection of the Peristaltic pump in the Control Panel

