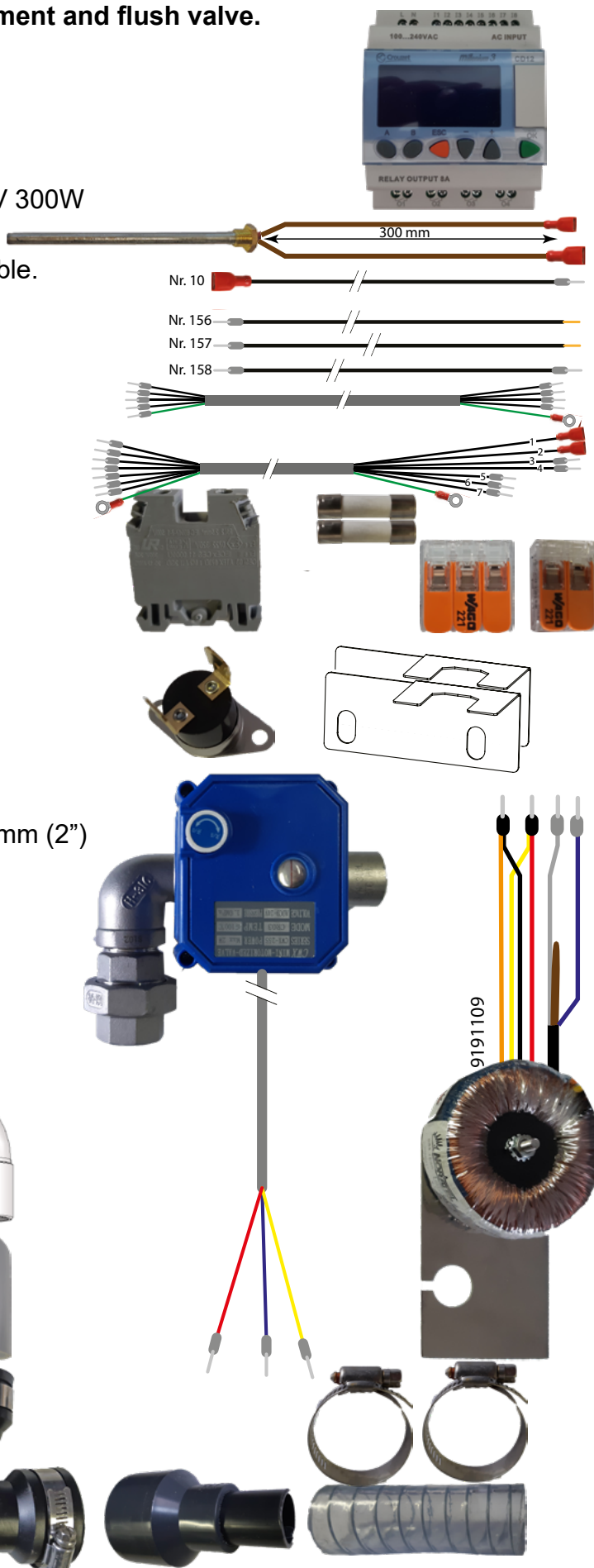


Flush and heat kit for GGX7F (EUR) 9198135s

This instruction describes how to update an existing Grease Guardian with a heating element and flush valve.

Contents Kit 9198135s

- 9128134 1x this instruction
- 9191008 1x PLC
- 9190222 1x Heating element 9282214 ass.120V 300W
- 9190801 1x Wiring set
 - Wires 10,156, 157, 158 and 2x cable.
- 9191010 1x rail terminal
- 9171120 2x fuse 10AT 5x20
- 9291122 1x 2 pole connector Wago
- 9291123 1x 3 pole connector Wago
- 9191390 1x Thermostat switch
- 9194170 2 x Springloaded bracket
- 9190139 1x motor valve ass.
 - 9301031 1x elbow 3/4" SS
 - 9301027 1x Union conicle 3/4" SS (M-F)
 - 9301006 1x Pipe nipple 3/4"
- 9191109 1x Transformer ass.
 - 9194171 1x transformer bracket
 - 4285010 1x Nut M3 with lockwasher
- 30009090 1x Elbow 50 mm PVC
- 9191358 1x Elbow Rubber 48mm (spare)
- 9193040 1x Tube PVC D50 mm (2") lenght 55 mm (2")
- 9191015 1x Rubber Tee
- 9191013 1x Adapter PVC 50x40x25
- 9191012 1x tube PVC D25 lenght 45 mm
- 9301059 95 mm Hose
- 6000032 2x Hose clamp



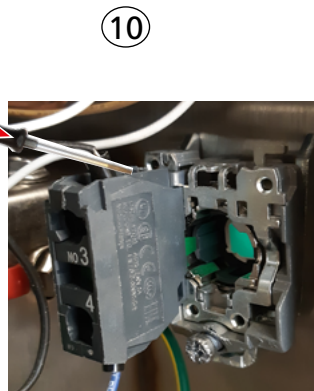
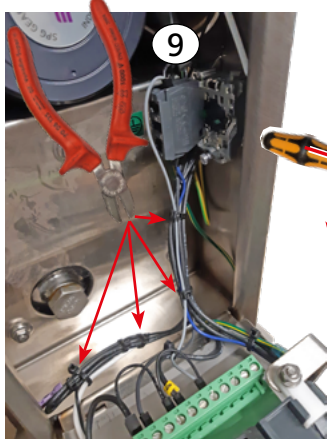
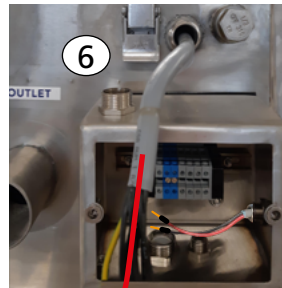
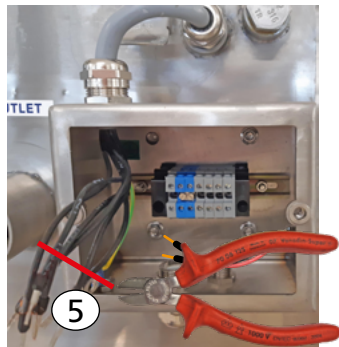
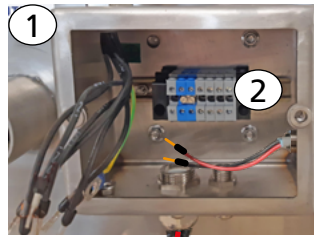
Spare elbow



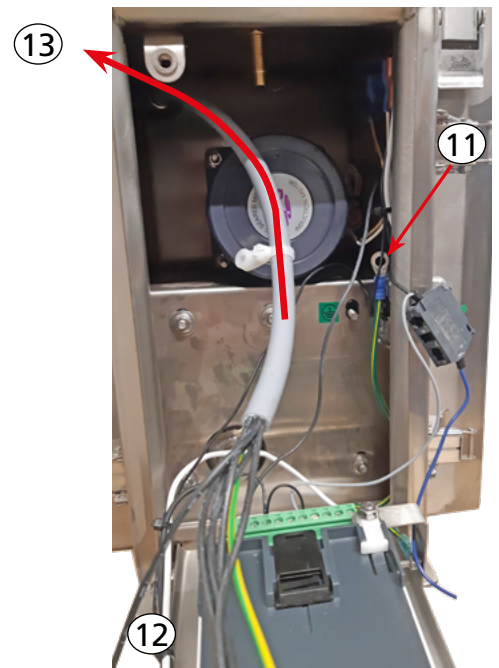
Disconnect the power supply!

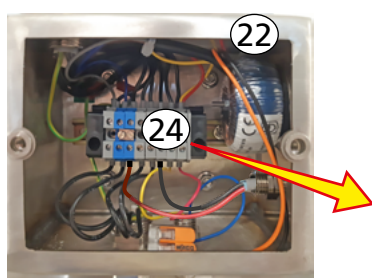
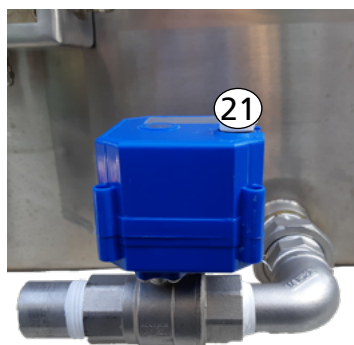
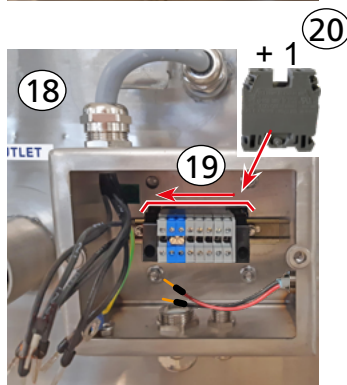
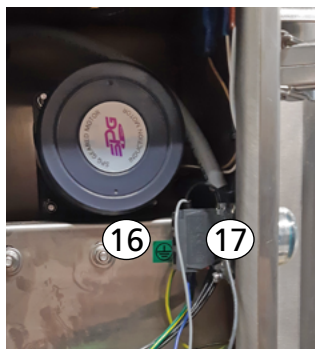
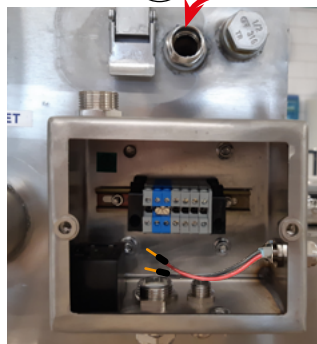
Make the tank empty!

Disconnect the electric and water connections, and put the grease guardian on a table or sink and clean it.



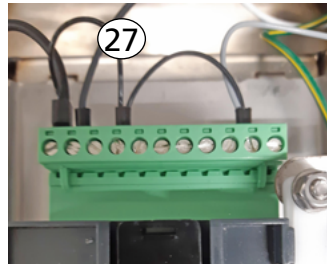
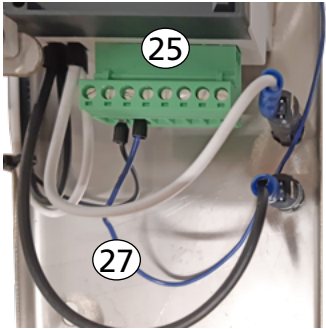
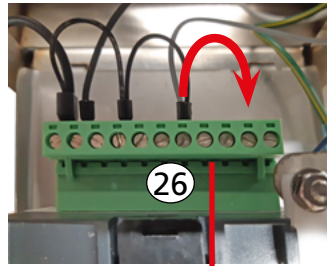
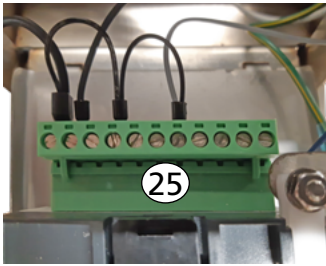
1. Open the connection box
2. Disconnect all wires from the terminals.
3. Loosen the swivel and pull out the mains cable.
4. Proceed with #19 in case the internal connection cable has 7 or more black wires.
5. Cut the ring terminal and ferrules from the wires.
6. Unscrew both swivels completely and pull out the cable, and the strain relief.
7. Pull the swivels and strain relief, from the cable
8. Open the control panel, remove the screw and turn down the mounting plate.
9. Cut all cable ties from the incoming cable.
10. Use a small screw driver to dismount the switch from the green push button.
11. Unscrew the earth wire.
12. Disconnect all cable-wires from the green terminals from the PLC and both fuse holders.
13. Pull out the cable and dispose it.





- 24

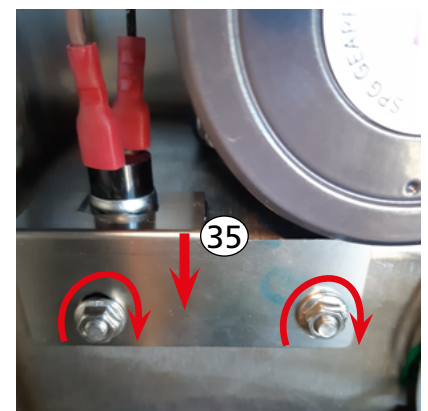
[illegible]



#1 = Reedswitch, cover
#2 = Green button

#1,4, 10 = common (F1)
#2 = Motor

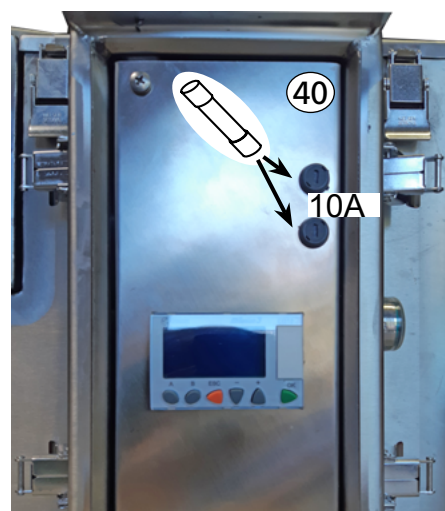
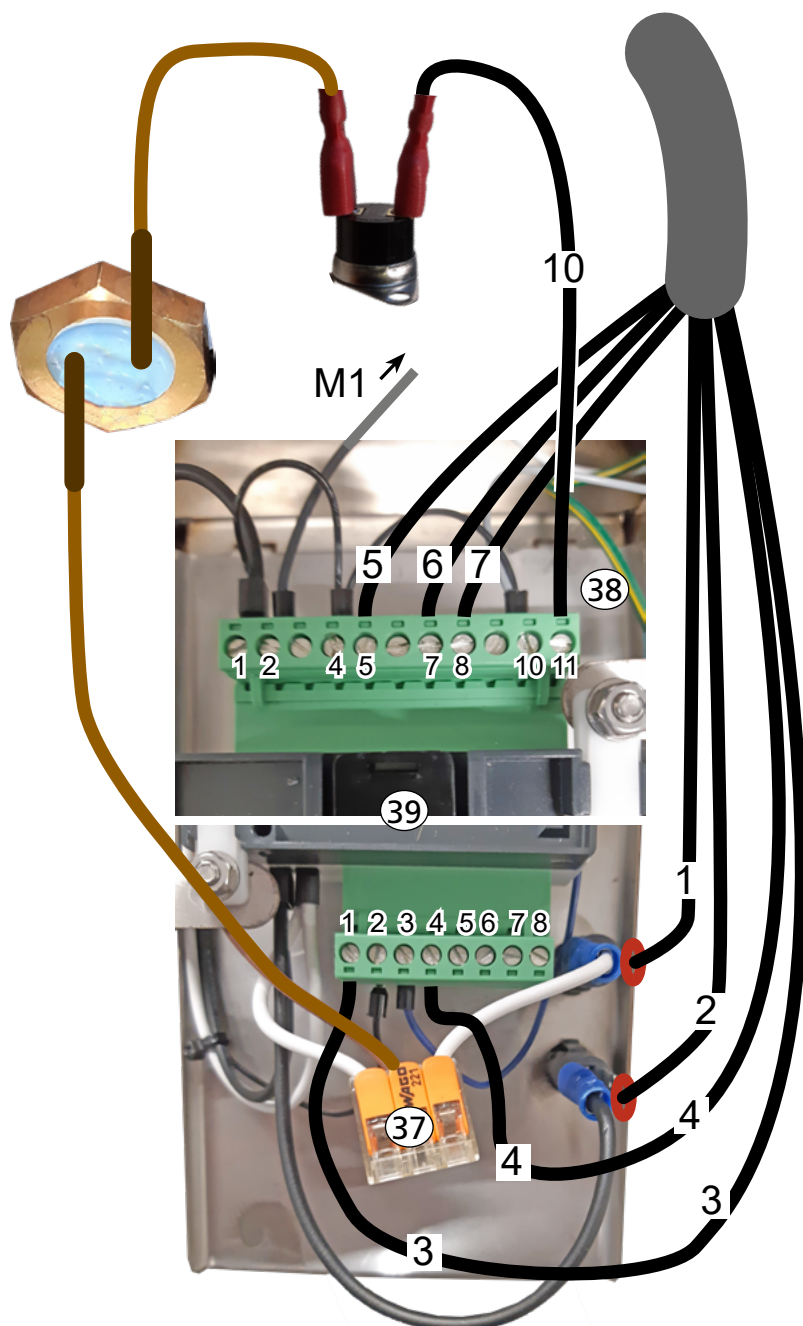
25. Remove the cable-wires from the PLC (if not already done). The picture shows what remains.
26. Move the (line voltage) junction, from terminal #7 to #10.
27. Check the remaining wiring on the PLC input and output terminals with the pictures.
28. Unscrew the 3/8" plug from the tank.
29. Apply a generous amount of ptfе tape as shown under the hexagonal head.
30. Mount the heating element firmly
31. Make sure the ptfе tape is bulging all around under the hexagonal head. This to make sure a seal has been formed.
32. Prepare the clixon as shown. Connect one wire from the heating element.
33. Connect the delivered black wire #10.
34. Mount the clixon with 2 spring loaded brackets and slacken the nuts.
35. Push down the brackets and tighten the nuts.



37. Connect the wire from the heating element to both white wires with help of the 3 pole junction connector.

39. Connect the 7 black wires according the overview, to the fuses and PLC terminals.

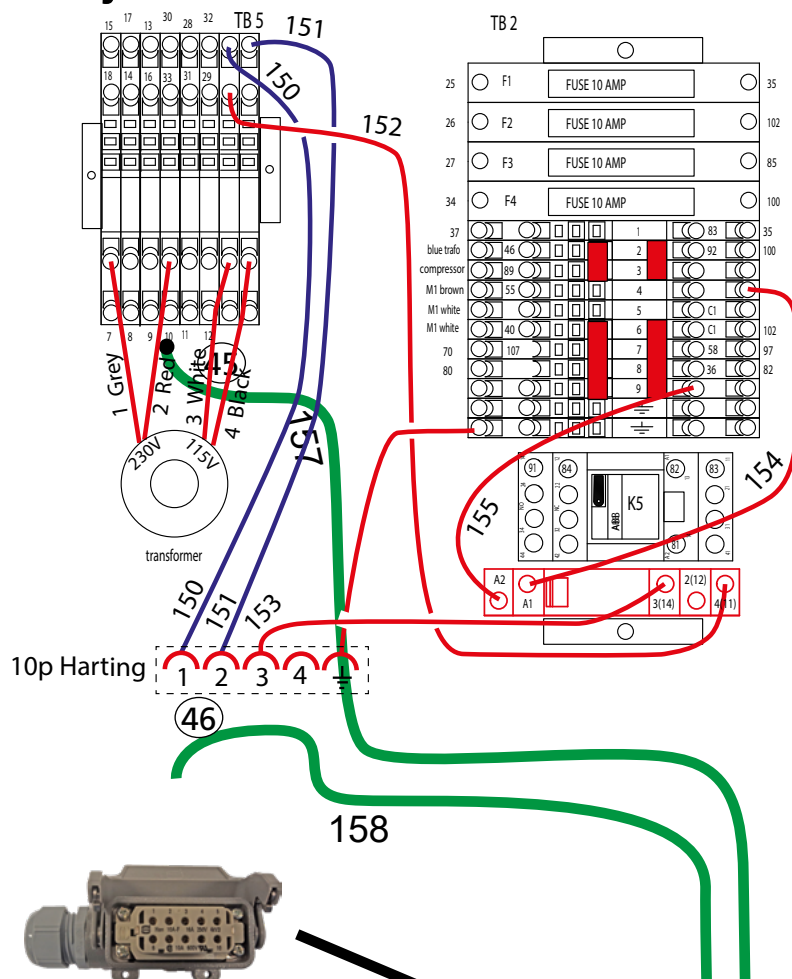
40. Replace the fuses by the delivered (10 A) ones.





41. Make an assembly from the hose with tube and adapter. Use PVC glue.
42. Make an assembly of the rubber coupler with the PVC elbow and tube. Use PVC glue.
43. Mount the assemblies.



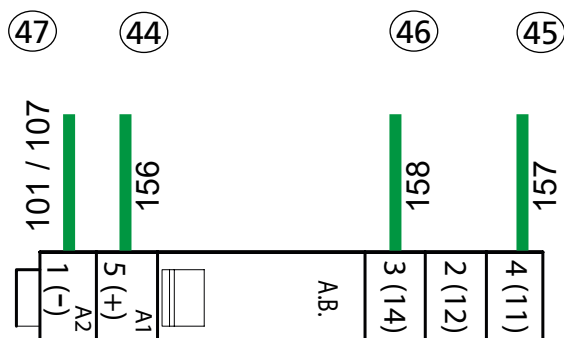
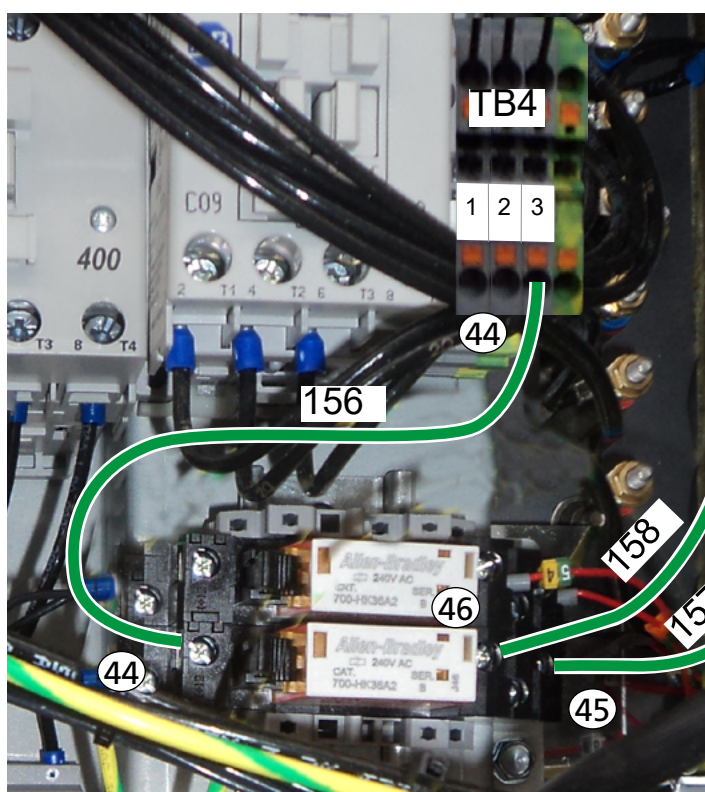
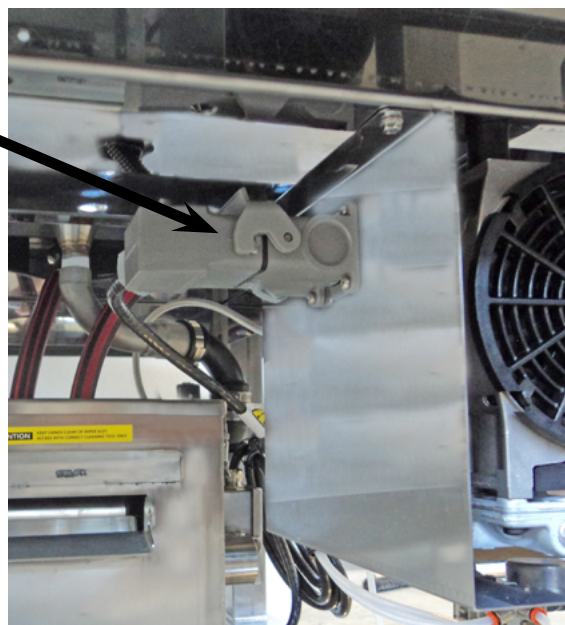


Connections inside Multiserie

Note that the wires 156, 157 and 158 already might be installed with instruction 9128132 when this concerns to build-in a Grease Guardian under the Multiserie. Otherwise proceed as follows.

44. Connect wire 156 between terminal # 3 of TB4 and relay terminal # 5(+).
45. Connect wire 157 between terminal #8 of TB2 and relay terminal # 4(11). Remove the thin red wires #95 and 98 first and isolate these.
46. Connect wire 158 between terminal # 4 of the 10 pole socket on the underframe and relay terminal # 3(14).
47. Check if relay terminal 1(-) is connected with wire 101 / 107.

Note that the red and blue coloured wires on the drawing are from already existing wires for power and control of the grease separator.



To have the heater and flush valve operating, the PLC needs new software.

1. Exchange the PLC with an updated one.
2. Use the Crouzet memory card. See explanation below.

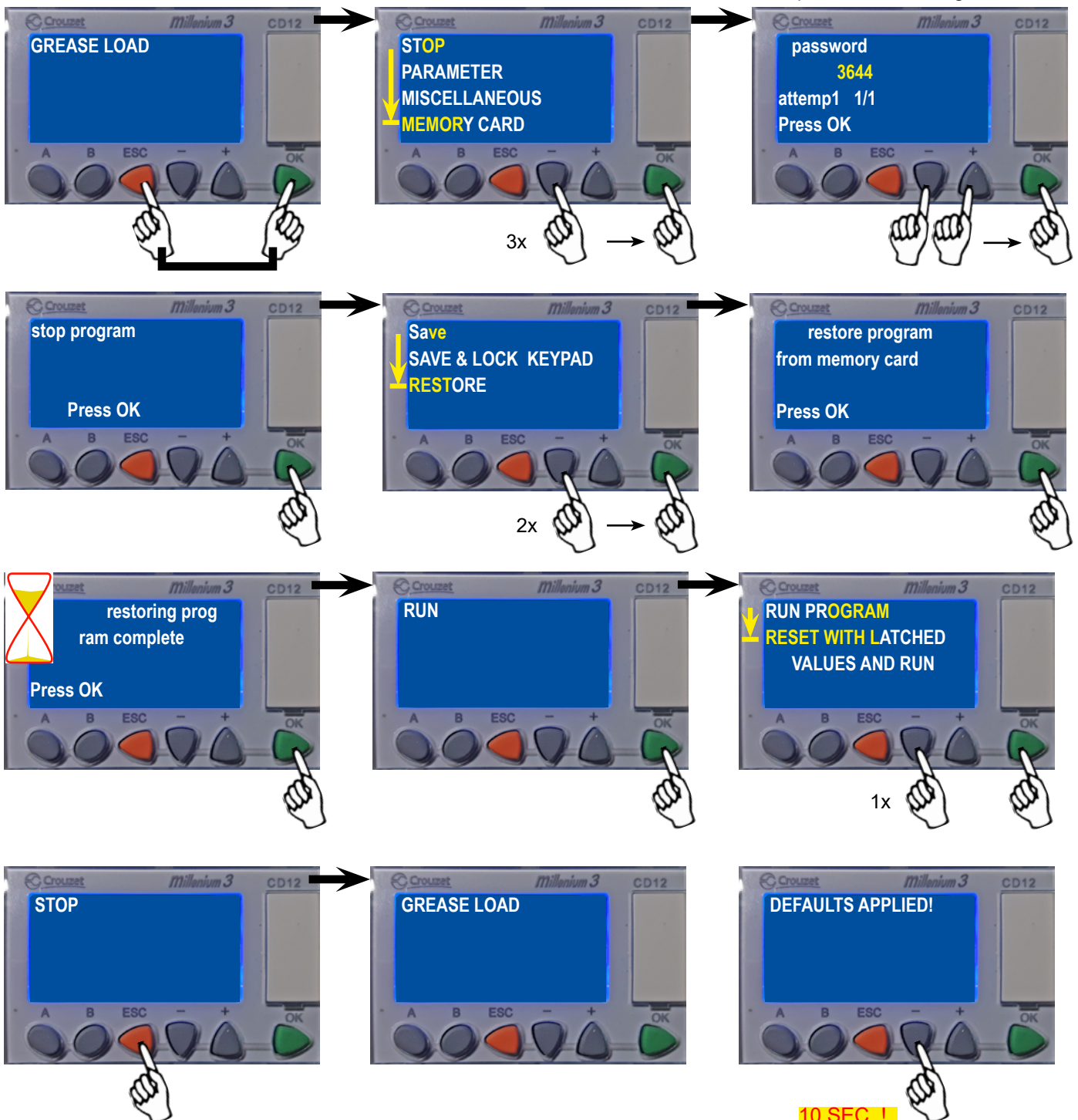
Check if #1 or 2 is in the package.



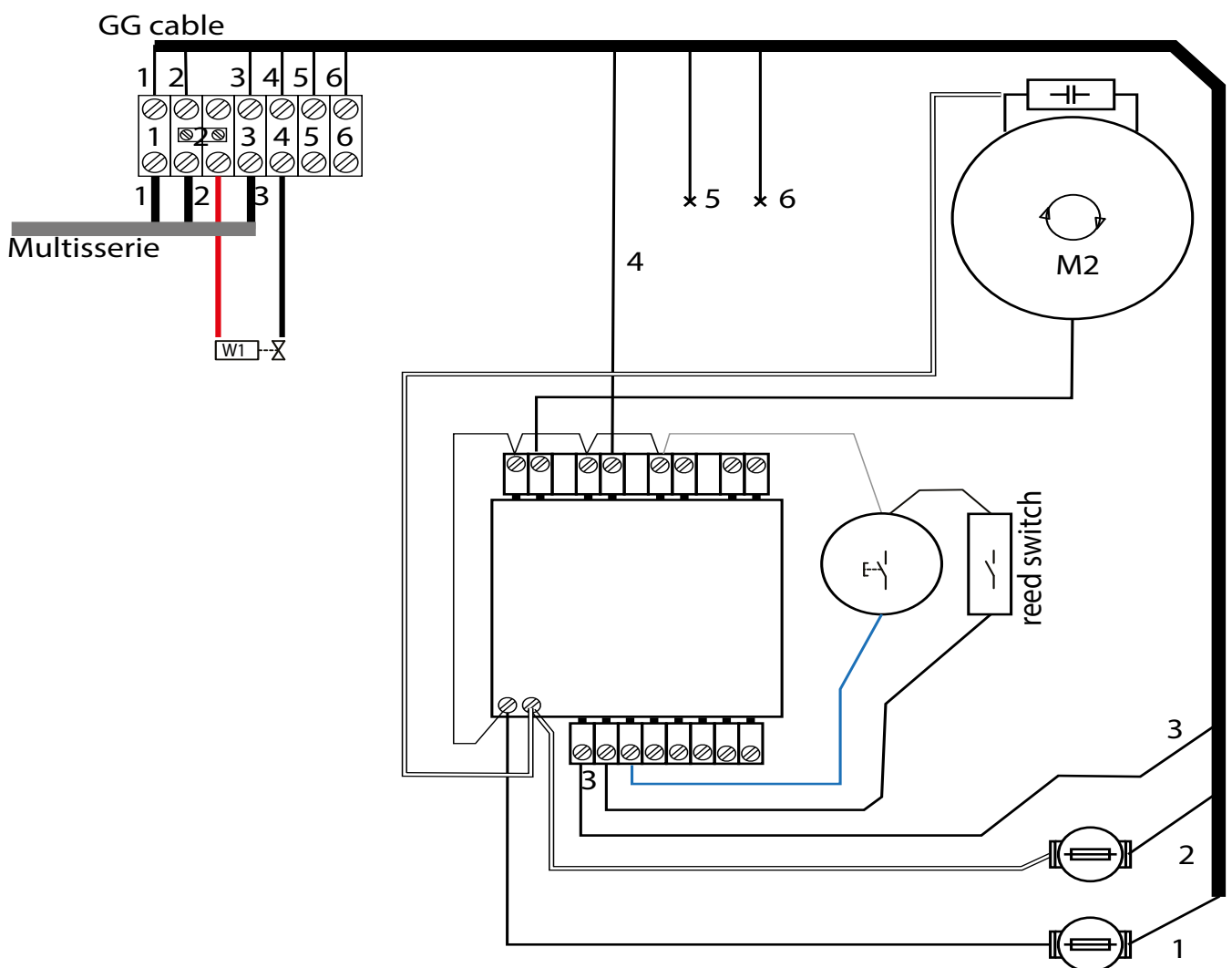
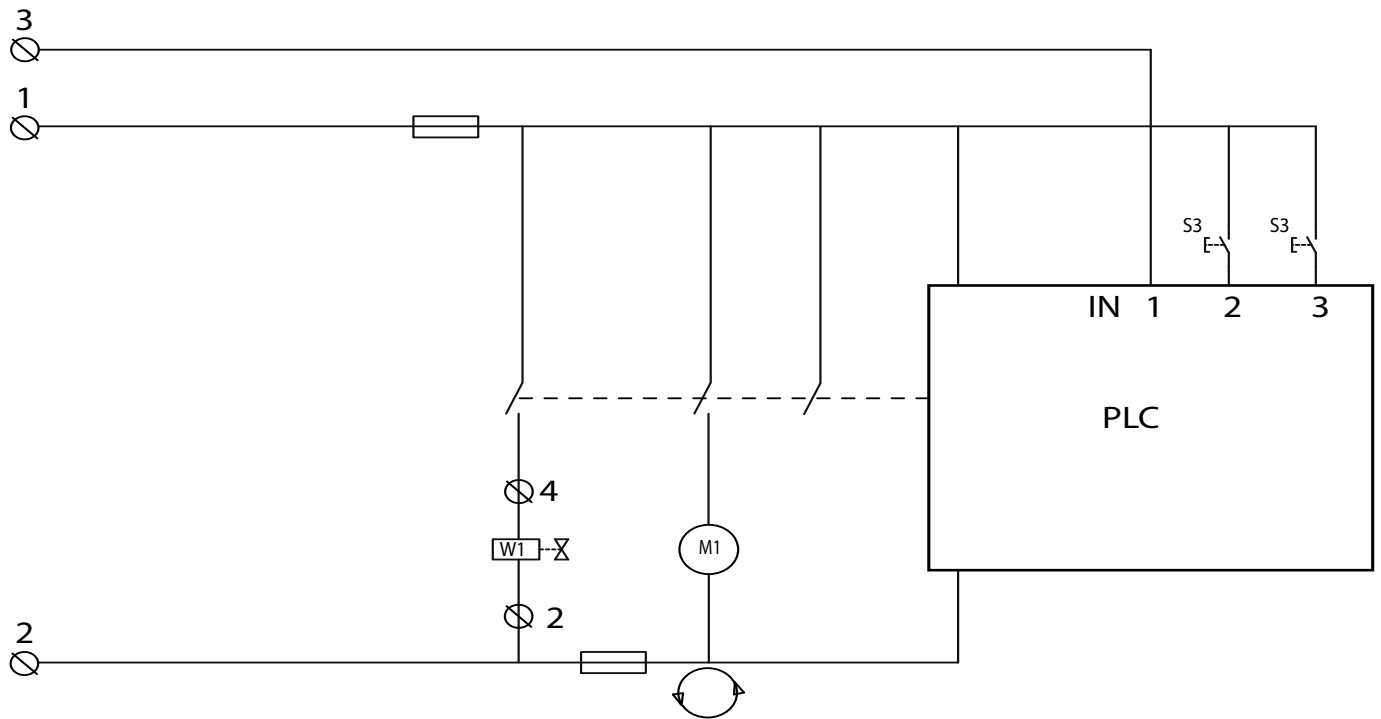
Updating with the Crouzet memory card

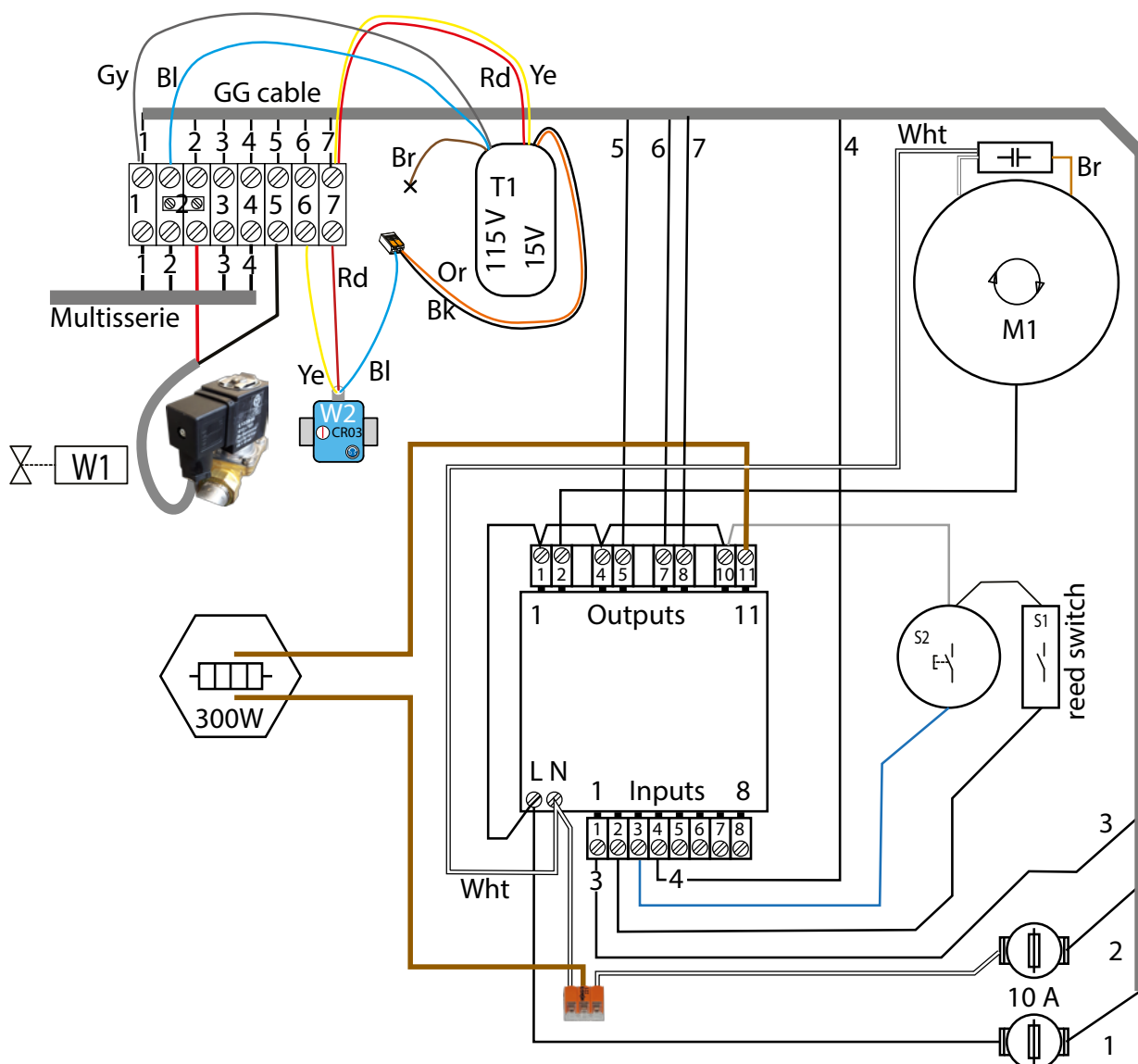
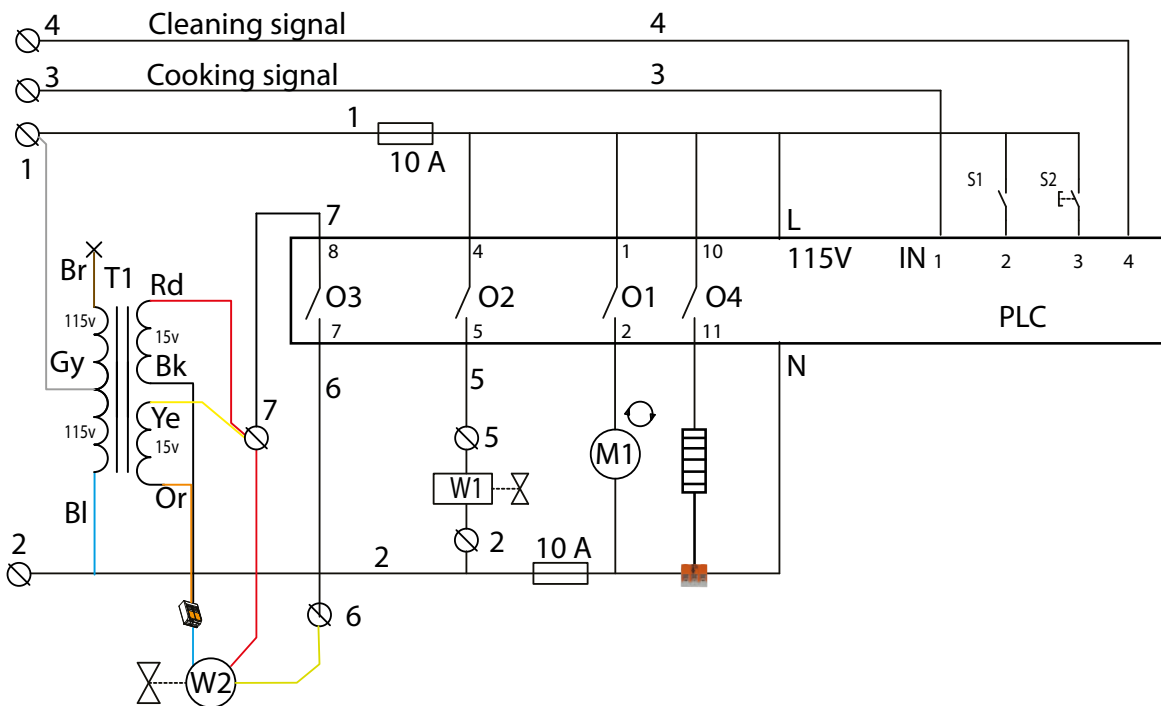


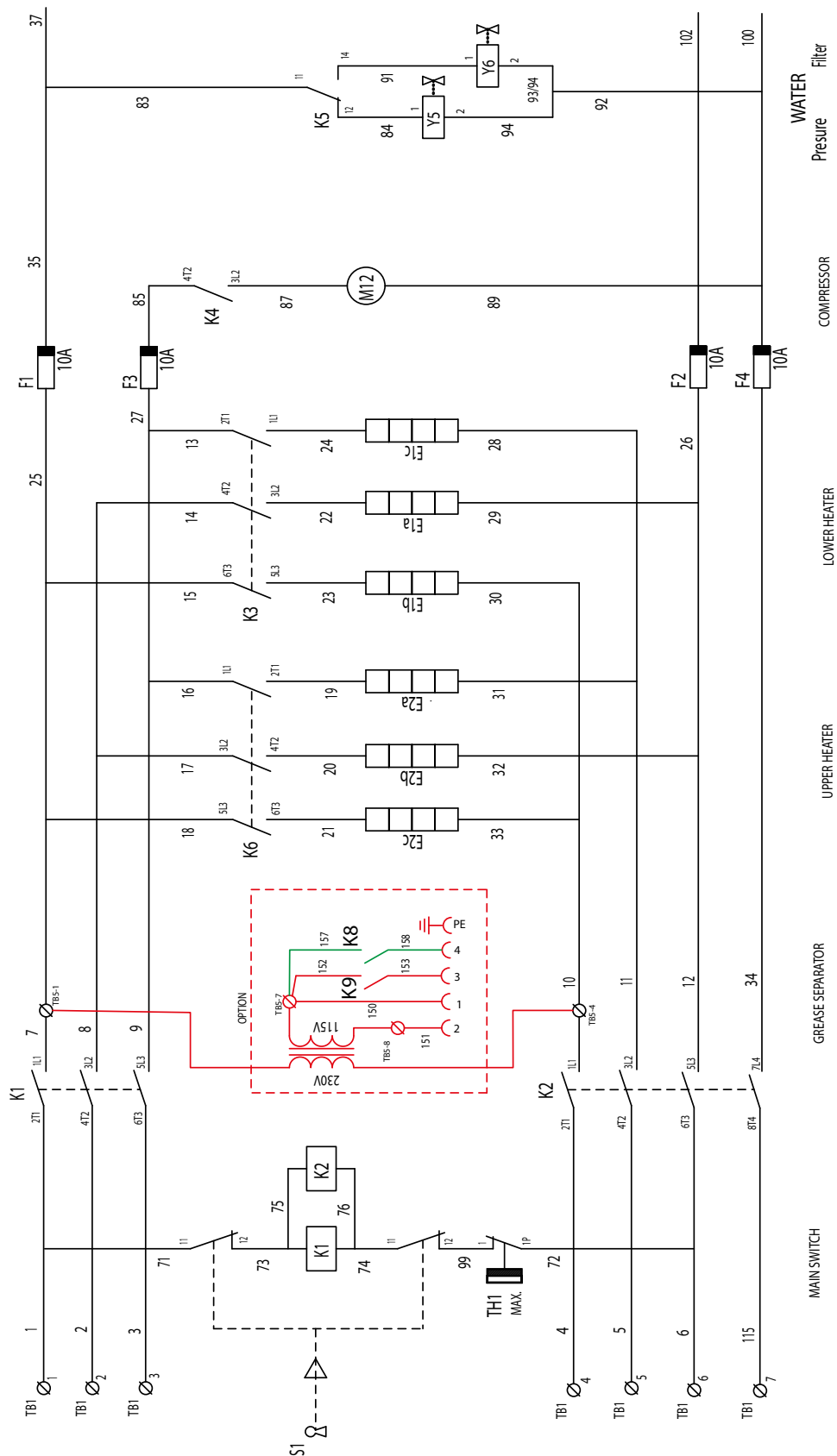
The pin code 3644 might be asked



10 SEC. !



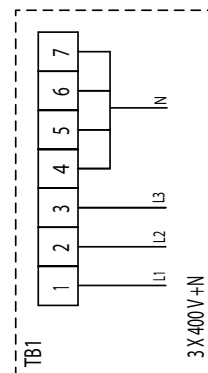
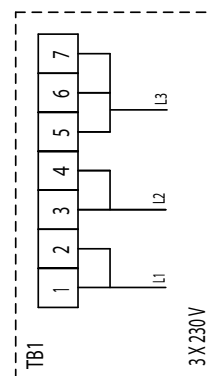


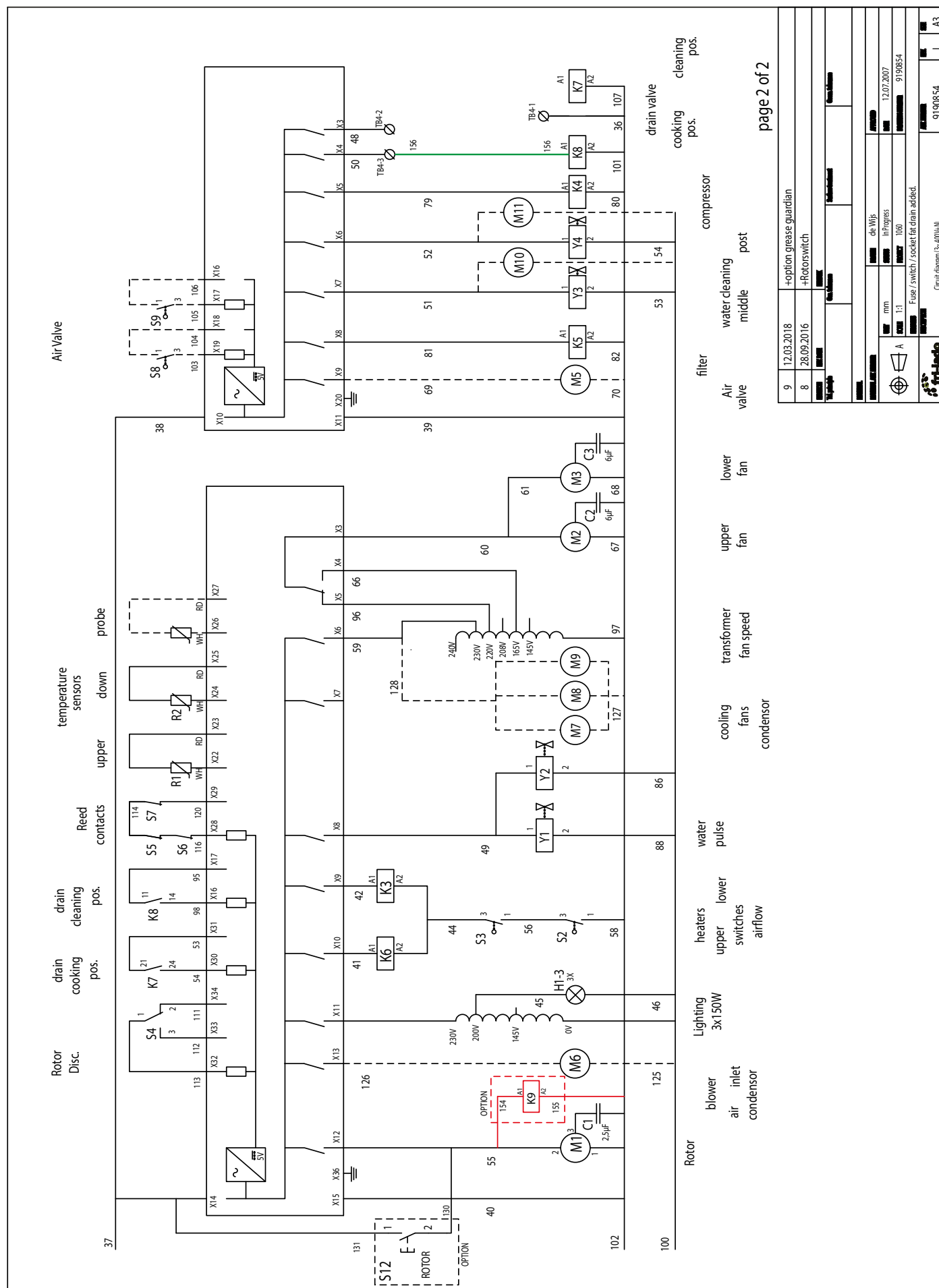


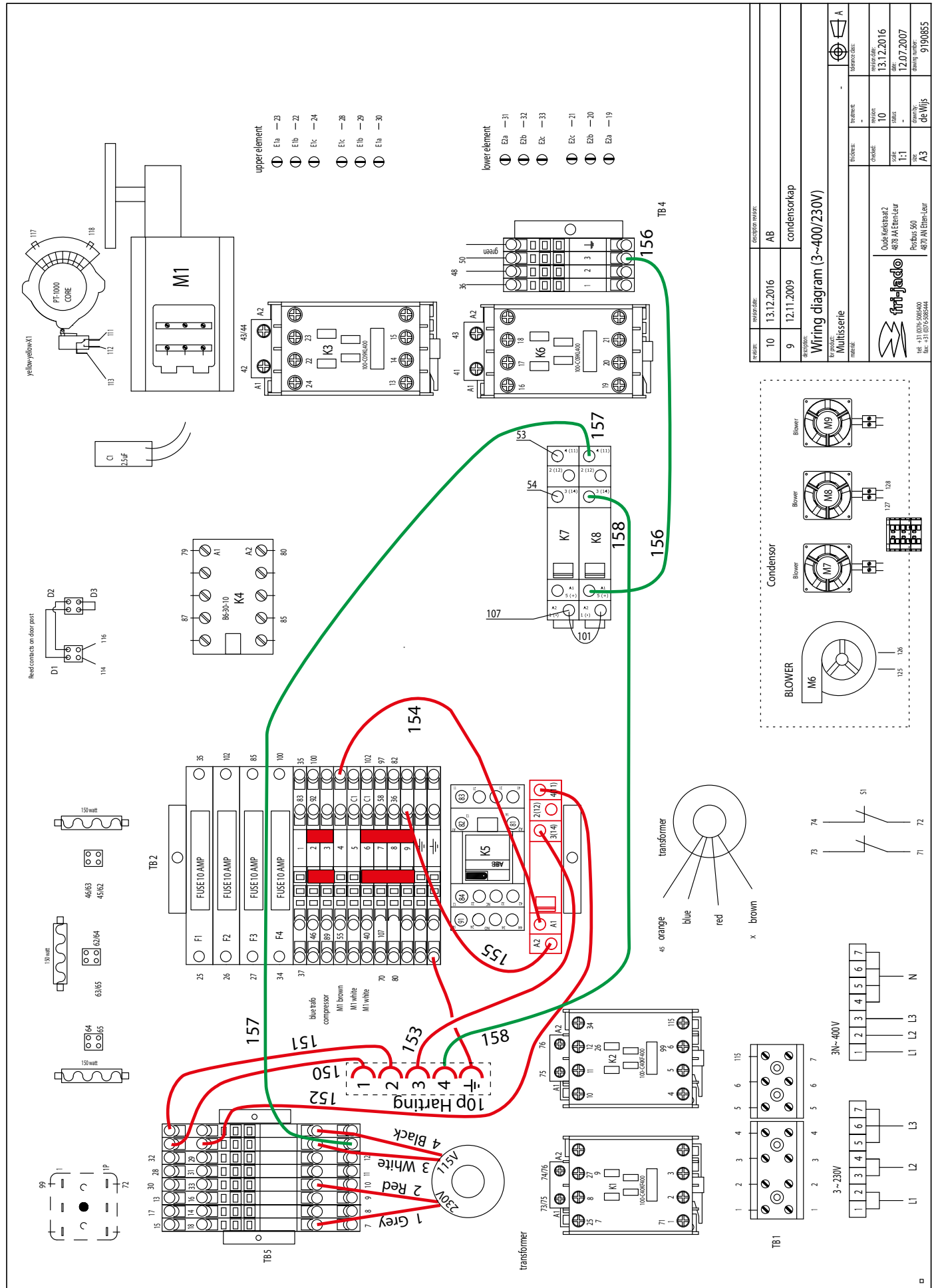
page 1 of 2

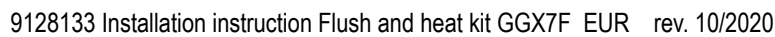
[illegible]

RD = RED
GY = GREY
OR = ORANGE
BU = BLUE
WH = WHITE
BN = BROWN
YE = YELLOW
BK = BLACK









- NOTICE -

This manual is prepared for the use of trained Service Technicians and should not be used by those not properly qualified. If you have attended a training for this product, you may be qualified to perform all the procedures in this manual.

This manual is not intended to be all encompassing. If you have not attended a training for this product, you should read, in its entirety, the repair procedure you wish to perform to determine if you have the necessary tools, instruments and skills required to perform the procedure. Procedures for which you do not have the necessary tools, instruments and skills should be performed by a trained technician.

Reproduction or other use of this Manual, without the express written consent of Fri-Jado, is prohibited.

1. Open the connection box
2. Disconnect all wires from the terminals.
3. Loosen the pivot and remove the mains cable.
4. Continue with # 19 in case the internal connection cable has 7 or more black wires.
5. Cut the ring terminal and wire ferrules.
6. Completely unscrew the two pins and remove the cable and strain relief.
7. Remove the pins and the cable clamp.
8. Open the control panel, remove the screw and lower the mounting plate.
9. Cut all cable ties from the incoming cable.
10. Use a small screwdriver to disassemble the green push button switch.
11. Unscrew the ground wire.
12. Disconnect all cables from the green terminals of the PLC and the two fuse holders.
13. Remove the cable and discard it.
14. Prepare the new cable by gluing the loose wires together.
15. Push the new cable through the shipping hole.
16. Connect the ground wire.
17. Replace the switch.
18. Guide the cable through the junction box.
19. Move the terminals as far as possible to the left.
20. Put an additional terminal on the rail (if applicable). 2x blue and 6x gray.
21. Mount the valve as shown.
22. Mount the transformer.
23. Fit the new mains cable.
24. Connect all wiring in the junction box, as shown in the overview below, as well as the 10-pole plug.
25. Remove the cables from the API (if not already done). The picture shows what is left.
26. Move the junction (line voltage), from terminal # 7 to # 10.
27. Check the remaining wiring on the input and output terminals of the API with the pictures.
28. Unscrew the 3/8 "cap from the reservoir.
29. Apply a liberal amount of PTFE tape as shown under the hex head.

1. Open the connection box
2. Disconnect all wires from the terminals.
3. Loosen the swivel and pull out the mains cable.
4. Proceed with #19 in case the internal connection cable has 7 or more black wires.
5. Cut the ring terminal and ferrules from the wires.
6. Unscrew both swivels completely and pull out the cable, and the strain relief.
7. Pull the swivels and strain relief, from the cable
8. Open the control panel, remove the screw and turn down the mounting plate.
9. Cut all cable ties from the incoming cable.
10. Use a small screw driver to dismount the switch from the green push button.
11. Unscrew the earth wire.
12. Disconnect all cable-wires from the green terminals from the PLC and both fuse holders.
13. Pull out the cable and dispose it.
14. Prepare the new cable by taping the loose wires together.
15. Push the new cable through the transit hole.
16. Connect the earth wire.
17. Place back the switch.
18. Guide the cable into the junction box.
19. Move the terminals as far as possible to the left.
20. Put one extra terminal on the rail (if applicable). 2x blue and 6x grey.
21. Mount the valve as shown.
22. Mount the transformer.
23. Mount the new mains cable.
24. Connect all wiring in the junction box, according the overview below, as well as the 10 pole plug.
25. Remove the cable-wires from the PLC (if not already done). The picture shows what remains.
26. Move the (line voltage) junction, from terminal #7 to #10.
27. Check the remaining wiring on the PLC input and output terminals with the pictures.
28. Unscrew the 3/8" plug from the tank.
29. Apply a generous amount of ptfe tape as shown under the hexagonal head.

30. Firmly mount the heating element
31. Make sure the PTFE tape is domed all the way around under the hex head. This is to ensure that a seal has been formed.
32. Prepare the clixon as shown. Connect a wire from the heating element.
33. Connect the supplied black wire # 10.
34. Mount the clixon with 2 spring brackets and loosen the nuts.
35. Lower the brackets and tighten the nuts.
36. Cut the white wire and strip both ends.
37. Connect the heating element wire to the two white wires using the 3 pole junction connector.
38. Connect the black wire # 10 from the clixon to terminal # 11.
39. Connect the 7 black wires as shown to the fuses and to the PLC terminals.
40. Replace the fuses with those supplied (10 A).
41. Assemble the hose with the tube and the adapter. Use PVC glue.
42. Assemble the rubber coupler with the elbow and the PVC tube. Use PVC glue.
43. Mount the assemblies.

Connections inside Multisserie

Note that wires 156, 157 and 158 can already be installed with instruction 9128132 when it comes to integrating a Grease Guardian under the Multisserie. Otherwise, proceed as follows.

44. Connect wire 156 between terminal # 3 of TB4 and relay terminal # 5 (+).
45. Connect wire 157 between terminal # 8 of TB2 and relay terminal # 4 (11). First remove the thin red wires # 95 and 98 and insulate them.
46. Connect wire 158 between terminal # 4 of the 10 pole receptacle on the lower frame and relay terminal # 3 (14).
47. Check if relay terminal 1 (-) is connected with wire 101/107.

Note that the red and blue colored wires in the drawing come from already existing wires for feeding and controlling the grease separator.

30. Mount the heating element firmly
31. Make sure the ptfе tape is bulging all around under the hexagonal head. This to make sure a seal has been formed.
32. Prepare the clixon as shown. Connect one wire from the heating element.
33. Connect the delivered black wire #10.
34. Mount the clixon with 2 spring loaded brackets and slacken the nuts.
35. Push down the brackets and tighten the nuts.
36. Cut the white wire and strip both ends.
37. Connect the wire from the heating element to both white wires with help of the 3 pole junction connector.
38. Connect the black wire #10 from the clixon to terminal #11.
39. Connect the 7 black wires according the overview, to the fuses and PLC terminals.
40. Replace the fuses by the delivered (10 A) ones.
41. Make an assembly from the hose with tube and adapter. Use PVC glue.
42. Make an assembly of the rubber coupler with the PVC elbow and tube. Use PVC glue.
43. Mount the assemblies.

Connections inside Multisserie

Note that the wires 156, 157 and 158 already might be installed with instruction 9128132 when this concerns to build-in a Grease Guardian under the Multisserie. Otherwise proceed as follows.

44. Connect wire 156 between terminal # 3 of TB4 and relay terminal # 5(+).
45. Connect wire 157 between terminal #8 of TB2 and relay terminal # 4(11). Remove the thin red wires #95 and 98 first and isolate these.
46. Connect wire 158 between terminal # 4 of the 10 pole socket on the underframe and relay terminal # 3(14).
47. Check if relay terminal 1(-) is connected with wire 101 / 107.

Note that the red and blue coloured wires on the drawing are from already existing wires for power and control of the grease separator.