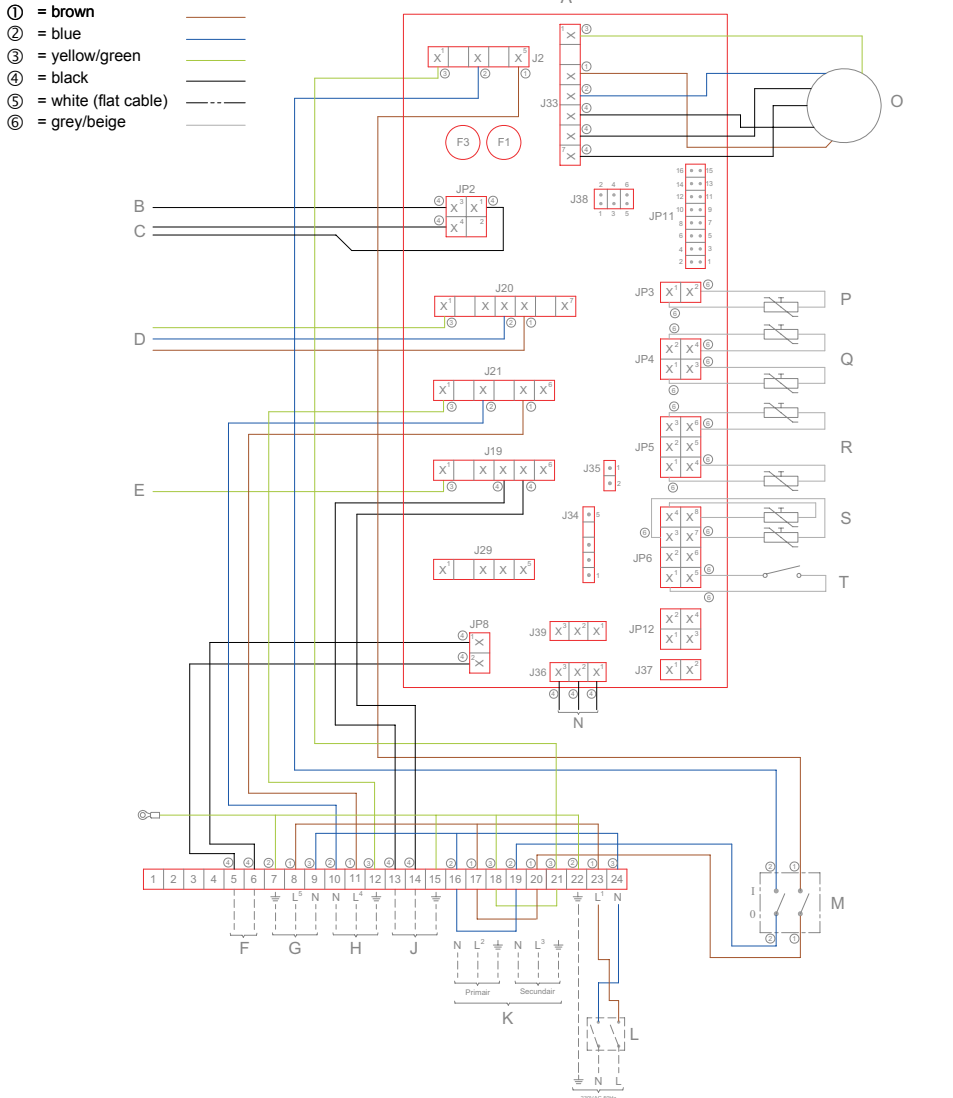


A.2 Electrical diagram DR-FC



TERMINAL STRIP CONNECTIONS:

- ⊕ Earth
- N Neutral
- L¹ Phase input of controller
- L² Phase input of isolating transformer (primary side)
- L³ Phase output of isolating transformer (secondary side)
- L⁴ Phase input of program-controlled pump
- L⁵ Phase input of continuous pump

COMPONENTS:

- A Controller
- B Flame probe
- C Hot surface igniter
- D Gas control valve
- E Burner earth connection
- F Extra ON mode switch
- G Continuous pump
- H Program-controlled pump
- J Extra error signal
- K Isolating transformer
- L Double-pole local isolator
- M ON/OFF switch control
- N Display/Flat cable

- O Fan
- P Temperature sensor (T2 - bottom of heater)
- Q Dummy
- R Temperature sensor (T1 - top of heater)
- S Selection resistor
- T Pressure switch

CONTROLLER CONNECTIONS:

- J2 Connector for power supply to controller
- J19 Connector for extra error signal
- J20 Connector for gas control
- J21 Connector for program-controlled pump
- J24 Connector for fan
- J36 Connector for display to controller
- JP2 Connector for flame probe and hot surface igniter
- JP3 Connector for temperature sensor T2
- JP4 Connector for dummy
- JP5 Connector for temperature sensor T1
- JP6 Connector for selection resistor and pressure switch
- JP8 Connector for extra ON mode switch

- F1 Fuse
- F3 Fuse

Figure A.1 Electrical diagram DR-FC