

### / Description


This device is a connection box for 8-way floor heating systems with 230V~ or 24V~ selectable power supply.

This device controls up to 8 outputs for actuators and thermostats; each output can drive one thermostat and its actuator.


An output for a pump is available, depending on the supply voltage, as well as an output for driving the burner, with voltage free contacts. Moreover the unit allows to connect an external time programmer for the activation of the actuators and thermostats connected (this output is depending on the supply voltage).

The wiring centre is equipped with an 8A time-delayed fuse (F1) which protects against short circuits the wiring centre itself as well as the loads connected to it.

There are two LEDs on the device front panel:

- Green 'power' LED, marked with the symbol ; It is lit when the device is fed.

- Red led for ' pump output and boiler active ', marked with symbol

- ; when at least one actuator is energised by its thermostat both pump and boiler contacts close (red led on the front cover turned on), meanwhile when no actuator is active the contacts are open.



### / Products

Code	Voltage	Outlets
88P3080854P	230V~ o 24V~	8

### / Operation

When at least one thermostat connected to the wiring centre is calling for heat, the device immediately activates the boiler output, the relevant channel output and the pump output.

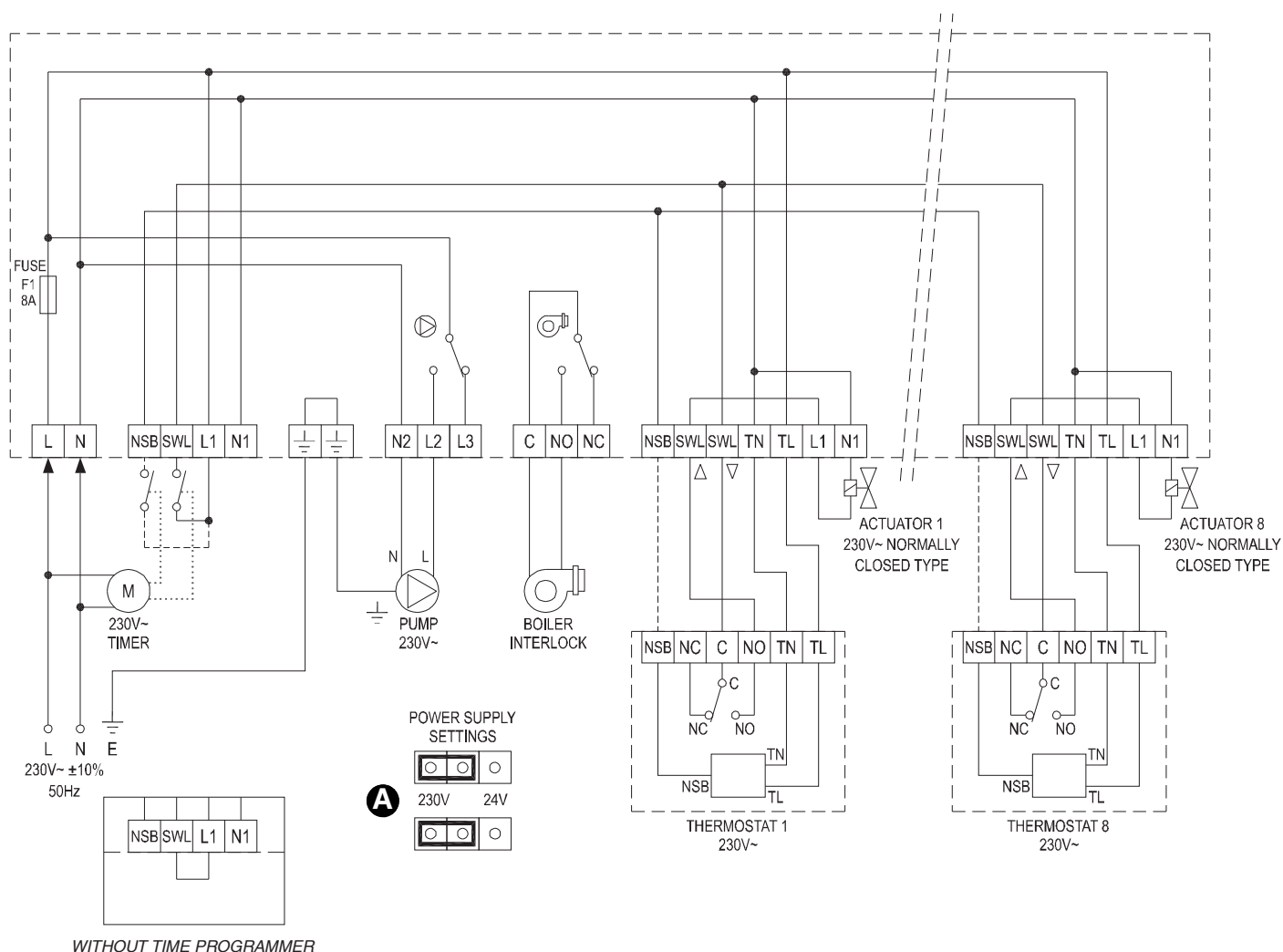
These outputs are all immediately turned off when no thermostat is calling for heat.

Note: actual actuator's opening and closing time depends on the specific type of actuator installed.

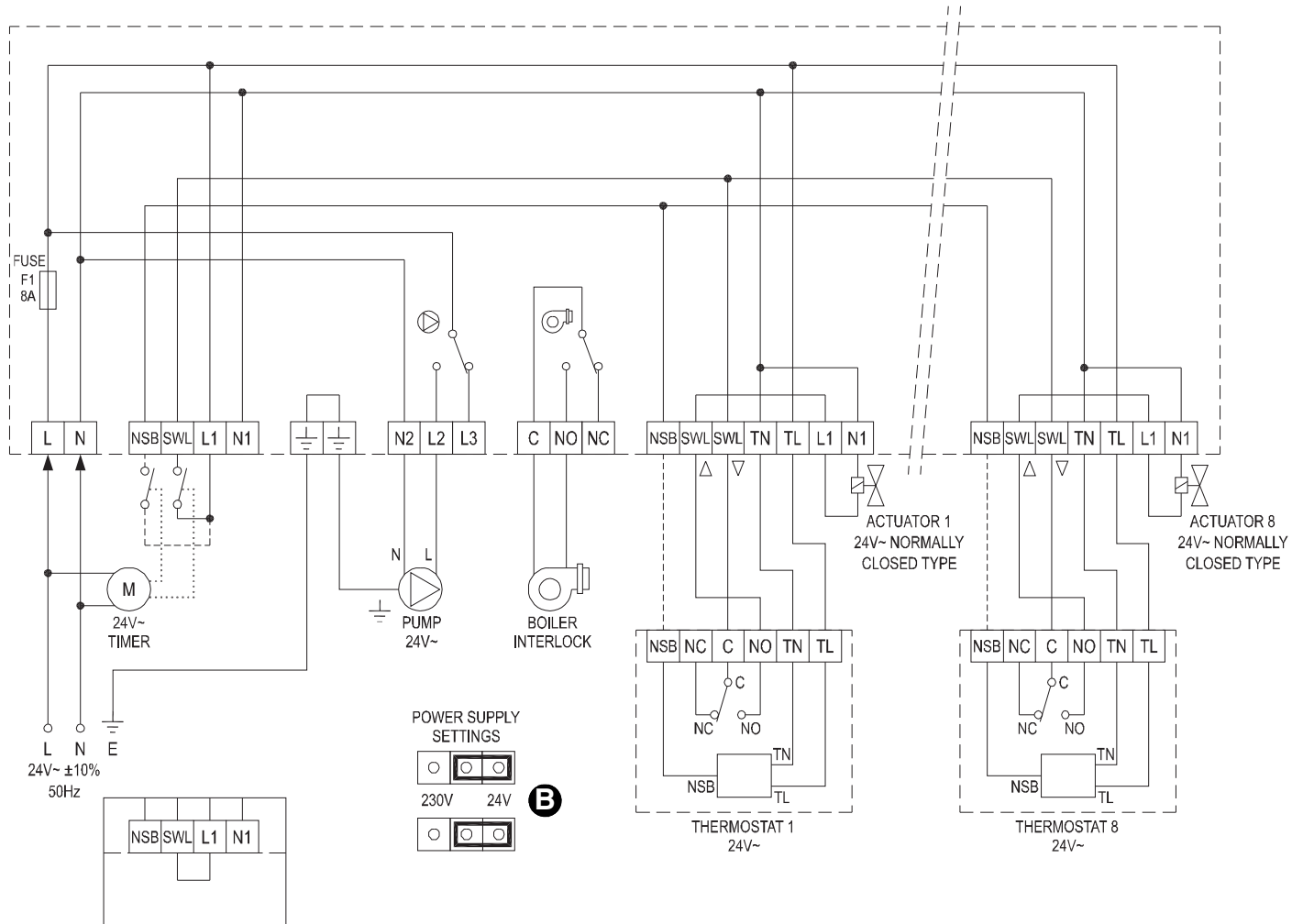
### / Technical features

Characteristic	Value
Power supply:	230V~ ±10% 50Hz or 24V~ ÷10% 50Hz
Absorption:	Depends on the loads connected
Fuse:	8A (Time delayed)
Pump output:	Depend on the supply voltage
Boiler output:	Voltage free contact
Therm./actuators outputs:	Depend on the supply voltage
Time prog. output (optional):	Depend on the supply voltage
<u>Contacts rating</u>	
- Pump:	5A @250V~ SPDT
- Boiler:	1A @250V~ SPDT
- Actuators and thermostats:	8x1A @250V~
<u>Maximum applicable load</u>	
- Actuators and thermostats:	3A Total - 1A each channel
<u>Indicators</u>	
- Voltage presence:	Green led
- Boiler and pump activation:	Red led
Protection index:	IP30
Operating temp.:	0 .. 40 °C
Storage temp.:	-10 .. 50 °C
Humidity limits':	20%..80% RH (non condensing)
Case material:	ABS UL-V0 self-extinguishing
Colour material	Signal white (RAL 9003)
Case dimensions (L x A x P):	245 x 100 x 60 mm.
Weight:	~ 510 gr.

### / Internal wiring diagram for 230V~ power supply



### / Internal wiring diagram for 24V~ power supply



WITHOUT TIME PROGRAMMER

### WARNING!

- The appliance must be wired to the electric mains through a switch capable of disconnecting all poles in compliance with the current safety standards and with a contact separation of at least 3 mm in all poles.
- Installation and electrical wirings of this appliance must be made by qualified technicians and in compliance with the current standards.
- Before wiring the appliance be sure to turn the mains power off.