

/ Description

Power supply / wiring box for floor heating plants. This device can be used for powering up to 12 thermostats and relevant thermal actuators or zone valves, provided that the total power absorption of the loads is maintained below the max. declared value (see tech. features).

This product is available in 2 versions:

88P3081254, which transforms the mains voltage into 24V~ and 88P3081253 which simply transfers to its outputs any voltage applied to the power supply input.



/ Products

Code	Voltage	Outlets
88P3081253	Universal	12
88P3081254	230V~ ±10% 50Hz	12

/ Fuse

The device is protected by two internal fuses, F1 and F2, against possible overloads.

According to the type of actuator wired at the outputs, special care must be paid to the fuses rating.

- **88P3081254:** This device comes from the factory with fuse F1 rated T1A and F2 rated F4A, already mounted.

- **88P3081253:** According to actual the supply voltage special care must be paid to the fuses rating.

- 230V~ supply voltage: in this case fuse F1 must be rated as T1A, meanwhile fuse F2 is rated as F4A (factory set).

- 24V~ supply voltage: the rating of the fuses to be mounted must be accurately calculated according to the type of actuators wired at the outputs.

In case standard 24V~ 2W actuators are used, fuses F1 and F2 must be rated as F4A.

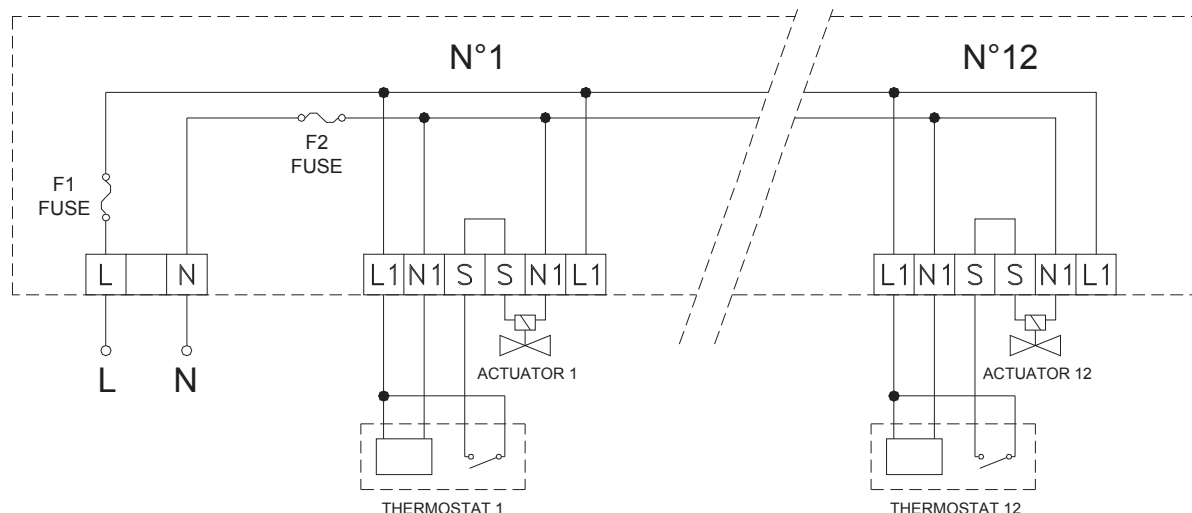
For this reason it is mandatory to replace fuse F1 rated T1A (factory mounted) with the one rated as F4A supplied separately.

As a general basis both fuses must always have arating ranging from F4A up to T10A.

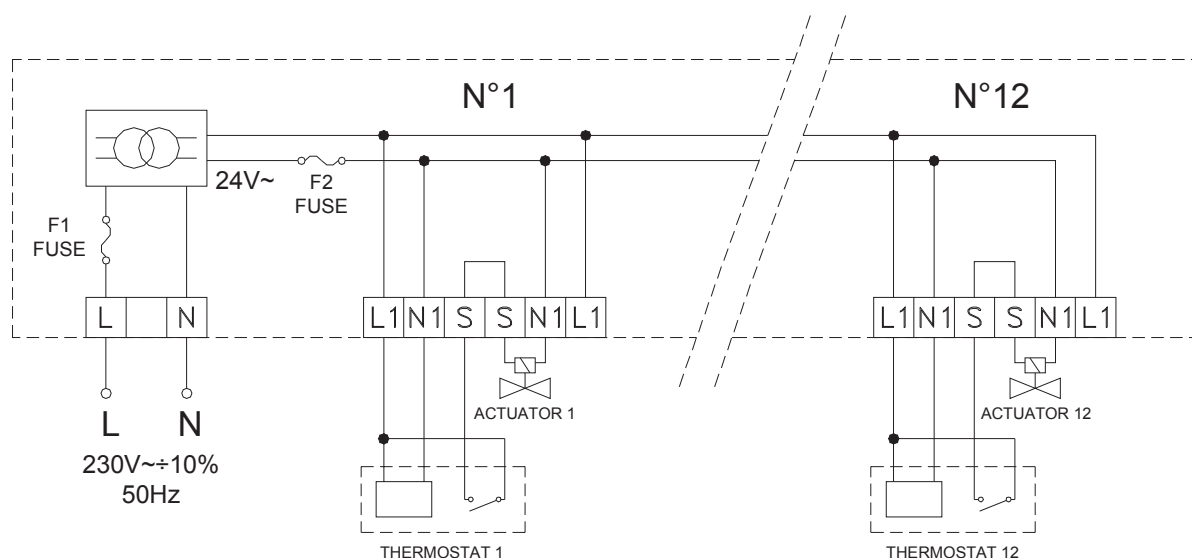
/ Technical features

Characteristics	Code	
	88P3081254	88P3081253
Power supply:	230V~ ±10% 50Hz	Universal
Power absorption:	40VA	-
Max. load:	1A @ 24V~ (each single output) 1,7A @ 24V~ (total)	1A @ V alim. (each single output) 10A @ V alim. (total)
Protection:	F1= 1A fuse (slow blow) marked as 'T' F2= fuse (fast) marked as 'F'	
Max thermostats number:	12	
Max actuator number:	12	
Protection grade:	IP 30	
Operating temperature:	0°C .. 40°C	
Storage temperature:	-10°C .. +50°C	
Humidity limits:	20% .. 80% RH (non condensing)	
Case material	ABS V0 self extinguishing	
Colour case	Signal white (RAL 9003)	
Size (W x H x D):	245 x 100 x 60 mm.	
Weight:	~ 1,4 Kg.	~ 1Kg.
Fixing:	Wall mount or DIN rail (optional)	

/ Internal and wiring diagram 88P3081253 (Universal)



/ internal and wiring diagram 88P3081254 (230v~)



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 wiring 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 main power off.