

D) LOAD THERMOSTATS SETTING:

Each controlled input activates the relevant output taking into account the draw of the appliance and the type of method. Joining multiple inputs, it is possible to control multiple loads with a single contact, and then set depending on the need.

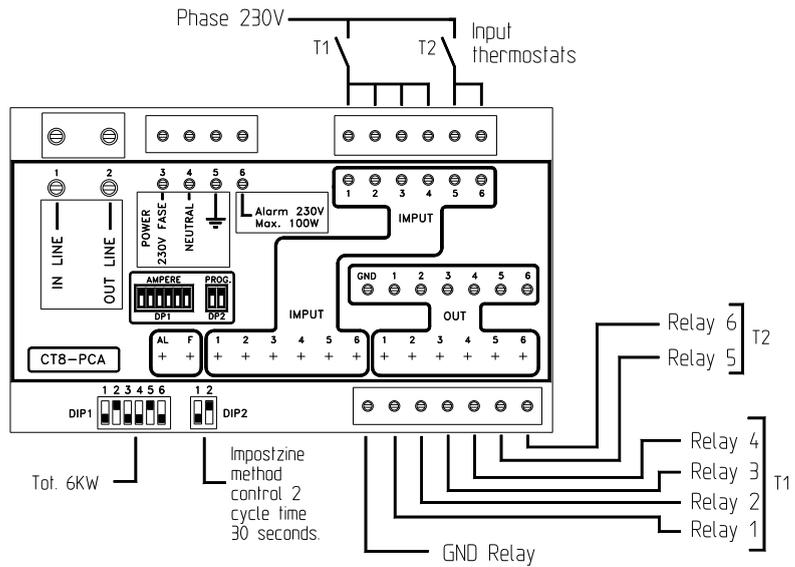
NB: If the contact of the thermostat is quite far (over 10mt.) from the control unit, it is recommended the use of a double cable. One is used to bring the phase to the input and the other is connected to neutral as shield. The purpose is to prevent activations due to the current induced by other phase cables.

Example of thermostat/load combination:

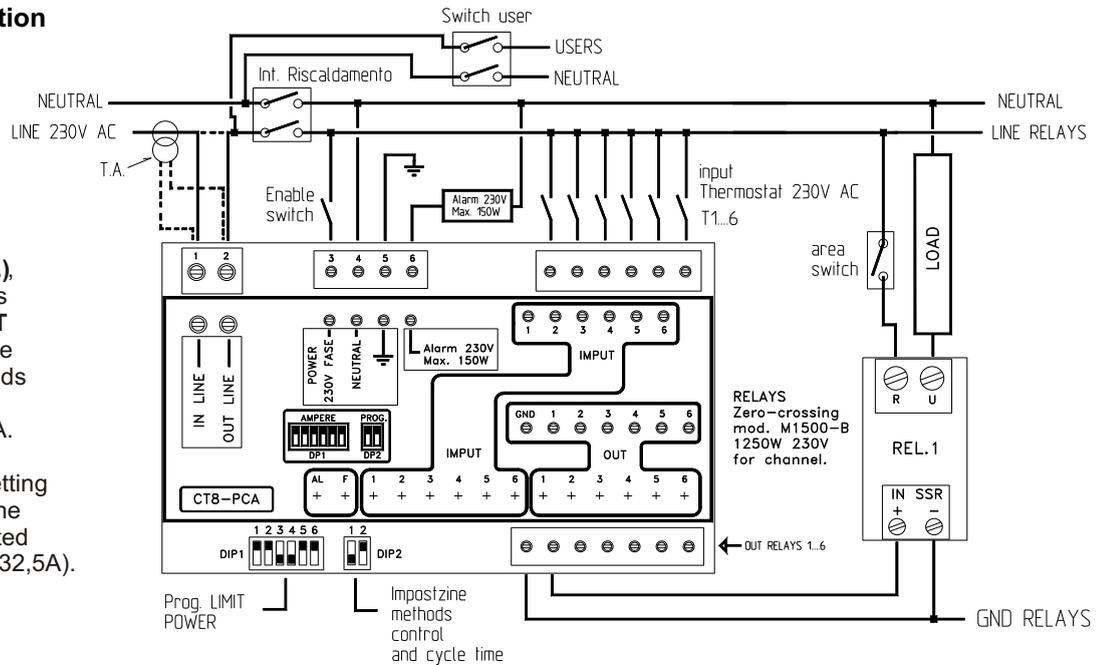
With the thermostat T1 one enters the inputs 1, 2, 3 and 4. With the respective logical outputs 1, 2, 3 and 4 one controls the relays for the control of the four zones.

With the thermostat T2 one enters the inputs 5 and 6. With the respective logical outputs 5 and 6 one controls the relays for the control of the two remaining zones.

The example also shows the setting of the power level, in this case 6KW and the type of program used, in this case the no 2 (rotation + loads search) and the cycle time 30 seconds.



Generic electrical connection



Note: Connecting the external amperometric transformer (T.A.), you must not bring other cables to terminal 1 (LINE) and 2 (OUT LINE). And the line tested by the T.A. is used directly for both loads controlled by relays and by the APPLIANCE. Max. Distance T.A. 4 mt. with 2.5mm² cable. The example also shows the setting of the power limit, in this case the nominal value of the T.A. is limited by 35% (e.g. T.A. 50/5 -35% = 32,5A).

Technical specifications:

- Power supply 230V AC 5VA
- Maximum power managed (including the APPLIANCE) with internal transducer 10KW 230V AC.
- Possibility of external connection of a T. A. X/5 for equal or higher powers.
- No. 6 optoisolated inputs 230V AC 0.2 VA.
- No. 6 logical outputs for static relay 15V DC 20mA.
- Alarm output 230V MAX. 150W to Neutral.
- DIP1 with 6 positions to set power limit.
- DIP2 with 2 positions to select the control methods and diagnostics of loads/relays and fuses.
- n° 6 Led "IMPULT" yellow for thermostats reporting.
- n° 6 Led "OUT" red for signaling activated areas.
- Led "F" red for active control confirmation.
- LED "AL" Red Alarm threshold exceeding + 25%.
- Cycle time 30 sec. Or 6 minutes.
- Trip time for adaptation to the user 0.2 Sec.

IMPORTANT NOTE:

All the electric power connections are to be executed with cables sized appropriately for the current total exercise and circuit breaker protected magnetothermic of proper range for each zone. 30 days after first use check on the closing of all the terminal blocks in particular the power terminal IN LINE OUT LINE transducer from 10KW.

Dimensions

