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Possible causes of error message E 13 IW 1476.0 and IWT 1466.0

Possible error causes

- Wrong assembly triac.
- Electronic module drives correctly the door lock, but the door lock doesn't change its status.
- Heating element with ground fault for IW 1476.0.

1. Wrong assembly triac

The triac is not correctly soldered onto the electronics.

Error detection
Sometimes the triac doesn't switch on (the problem is not repetitive).
If this happens during locking, the electronic module tries again to lock the door 3 times and then stops.
If this happens during unlocking, the electronic module goes in E13.

2. Electronic module drives correctly the door lock, but the door lock doesn't change its status.

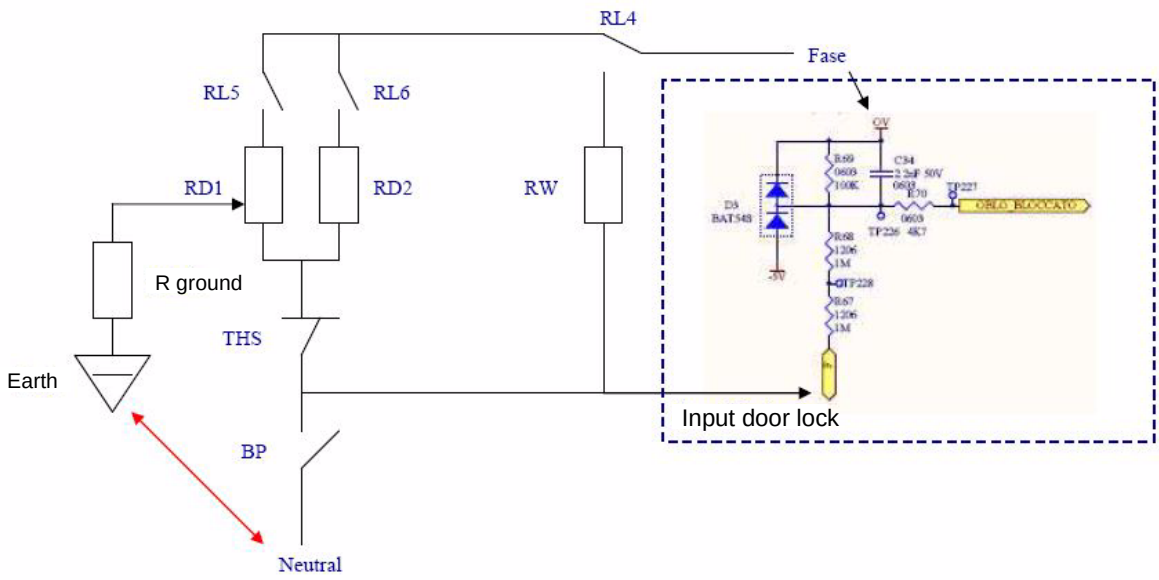
Error detection, see No. 1.

3. Heating element with ground fault for IW 1476.0

Error detection
In this case the electronic module and the door lock work correctly, but the electronic module detects the fault like door lock locked. The effect is E13 when the electronic module wants to unlock the door lock.

Dryer heating element check
1. Start a drying cycle.
2. After 5 minutes of drying (to warm up the heating elements) put in pause the cycle pressing the Start/Pause push button.
3. If E13 happens, electrically disconnect all the dryer heating elements and repeat steps 1 and 2.
   If in this condition the door is unlocked properly without the E13 error, the dryer heating elements are defective.

Electronic circuit on board



RL5, RL6 : dryer heating elements relay
RD1, RD2 : dryer heating elements
RL4 : washer heating element relay
RW : washer heating element
THS : safety thermostat
BP : door lock
R ground : earth leakage resistance

Normally the earth leakage resistance is very high (more than 1 MΩ).
If this value decreases, a current flows through the electronic door lock input on board to earth and modifies the input signal. The value of this current is less than 2 mA.