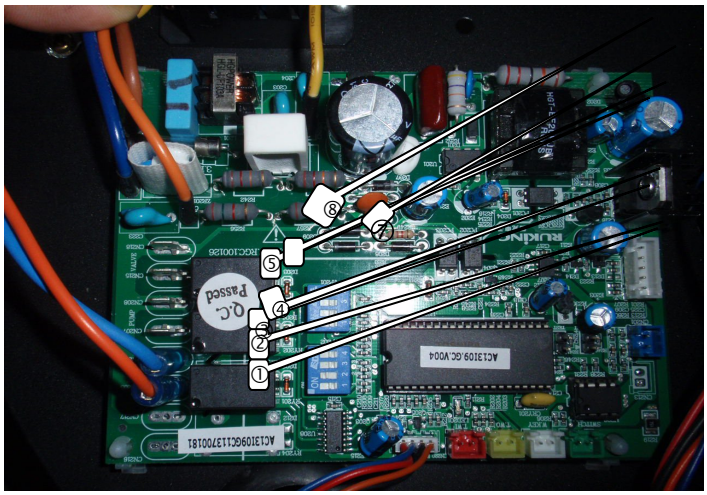
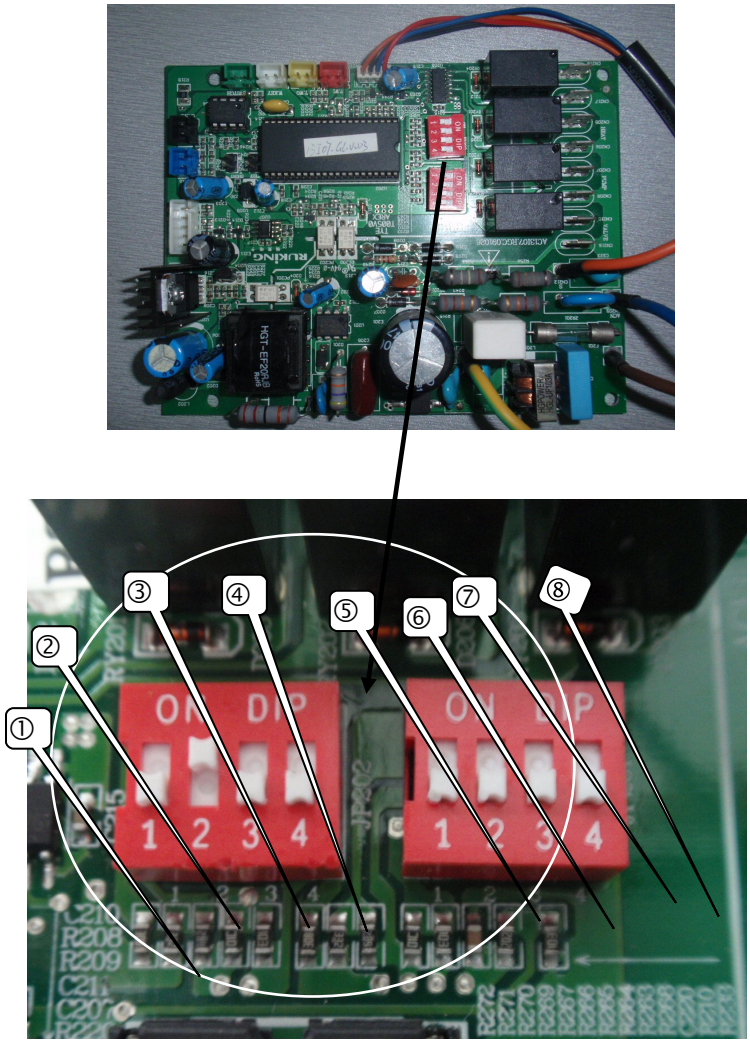
Dip-switch of Indoor PCB

SN	Code	Default	Function
①	JP202-1	OFF	Limit on Water outlet temperature
②	JP202-2	ON	Water pump working mode
③	JP202-3	OFF	Reserved for GSM control function
④	JP202-4	OFF	Memory function
⑤	JP201-1	OFF	Flow switch function
⑥	JP201-2	OFF	External control function
⑦	JP201-3	OFF	Reserved
⑧	JP201-4	OFF	Demarcate function





1. Limit on Water outlet temperature:
   If JP202-1=OFF, the maximum water outlet temperature is 50 ℃when room temperature is chosen for system control. However, by short-circuiting the "test" port on indoor PCB board, the Max water outlet temperature can be changed as 38℃(valid when room temperature is chosen for system control only).

When (water outlet temperature) WOT ≥34 ℃, the controller will set a limit on compressor's running speed, with current running speed as its maximum. When WOT ≥36 ℃, compressor's running speed will be lowered down towards F1, until water outlet temperature drop below 34 ℃. Then the controller stops lowering its running speed and begin to rise back, but its maximum speed will be one level lower than the frequency before this lowering process. When WOT≤32 ℃and compressor keeps on running 60 minutes without any frequency drop or system shutdown for protection, then the limit on compressor's running speed will be released.

When WOT≥38℃or compressor's running speed is lowered to F1 but water outlet temperature is still higher than 34℃after 2 minutes, then compressor stops. After water outlet temperature drops below 32 ℃,compressor restarts.

2. Water pump working mode

If JP202-2=ON, when unit stops after it gets set temp, pump works for 1 minute in every 6 minutes.

If 2=OFF, when unit stops after it gets set temp, pump starts/stops after compressor starts/stops

3. GSM/SMS function: Reserved for future GSM/SMS function.

4. Memory function:

If JP202-4=OFF, unit has memory function.

If JP202-4=ON, unit has no memory function.

5. Flow switch function:

If JP201-1=ON, unit has flow switch control function.

If JP201-1=OFF, unit has no flow switch control function.

6. External control function

If JP201-2=ON, external control function works. If JP201-2=OFF, external control function out of work.

If external control function works:

If terminal “SWITCH CN221” changes from open to short-circuit, unit starts to work in heating, with 50℃as target temperature;

If terminal “SWITCH CN221” changes from short-circuit to open, unit stops.

Unit working mode can be changed by wired controller, under external control function.

7. Reserved.

8. Normal Testing Operation

If JP201-4=ON, unit works in Normal Testing Operation.

After system enters into testing process in cooling mode, when room temperature is set as 30℃, the compressor runs at rated frequency Fcool; while it is set as 31℃, the system runs at Highest Speed F10; and when set is at 29℃, compressor runs at frequency Fcm.

When system enters into testing work in heating mode, and room temperature set as 1℃, compressor runs at rated working frequency Fheat; when it is set as 18℃, compressor runs at Medium frequency Fhm; or it set as 16℃, it runs at highest speed F10.

In system testing work, all general protections are functional.