

MINI UNITARY CHILLER

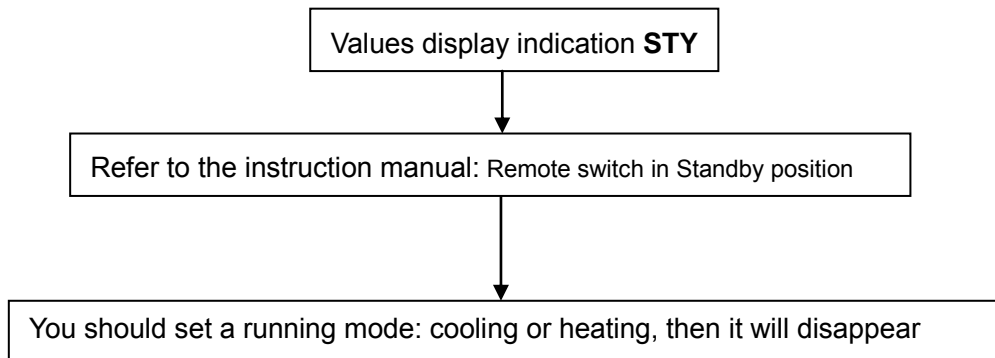


TRUST AIR CONDITIONING EQUIPMENT CO.
Prepared By: Engineering & R & D Department.

Troubleshooting

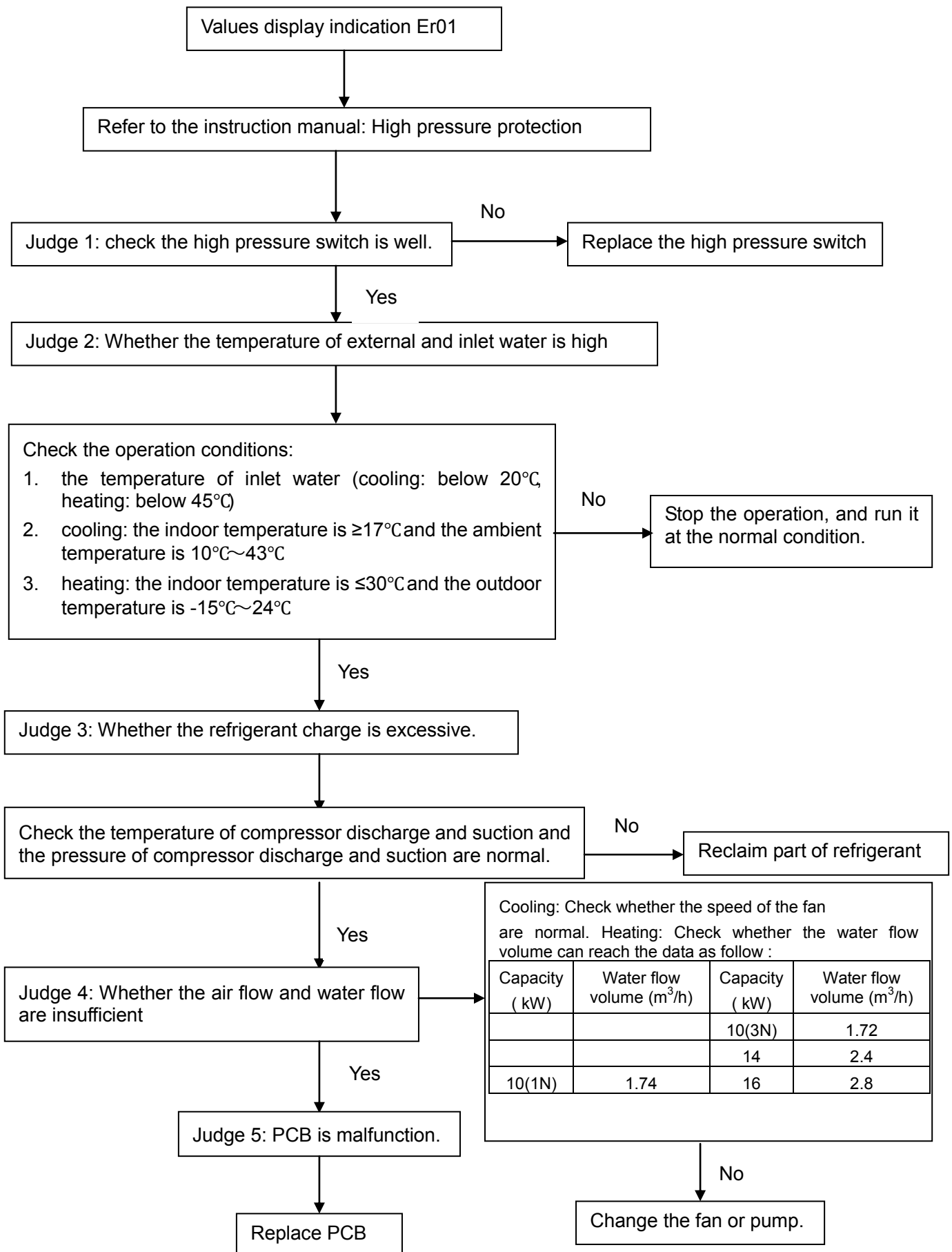
| Displaying contents | Malfunction or protection |
|---------------------|---|
| STY | Remote switch in Standby position (automatic reset) |
| Er01 | High pressure protection (manual reset) |
| Er05 | Low pressure protection |
| Er41 | 3-phase sequence, current and over-heat condenser temperature protection (manual reset) |
| Er30 | Frost prevention alarm (manual reset) |
| Er61 | Water outlet sensor T02 malfunction (automatic reset) |
| Er62 | Coil sensor T03 malfunction (automatic reset) |
| Er60 | Water return sensor T01 malfunction (automatic reset) |
| Er20 | Water flow protection |
| Er47 | Remote keyboard communication error |
| Er45/Er46 | Error clock faulty / Error set clock |
| Er90 | Alarm history records exceeded 99 times (manual reset) |

1. STY



2. Er01

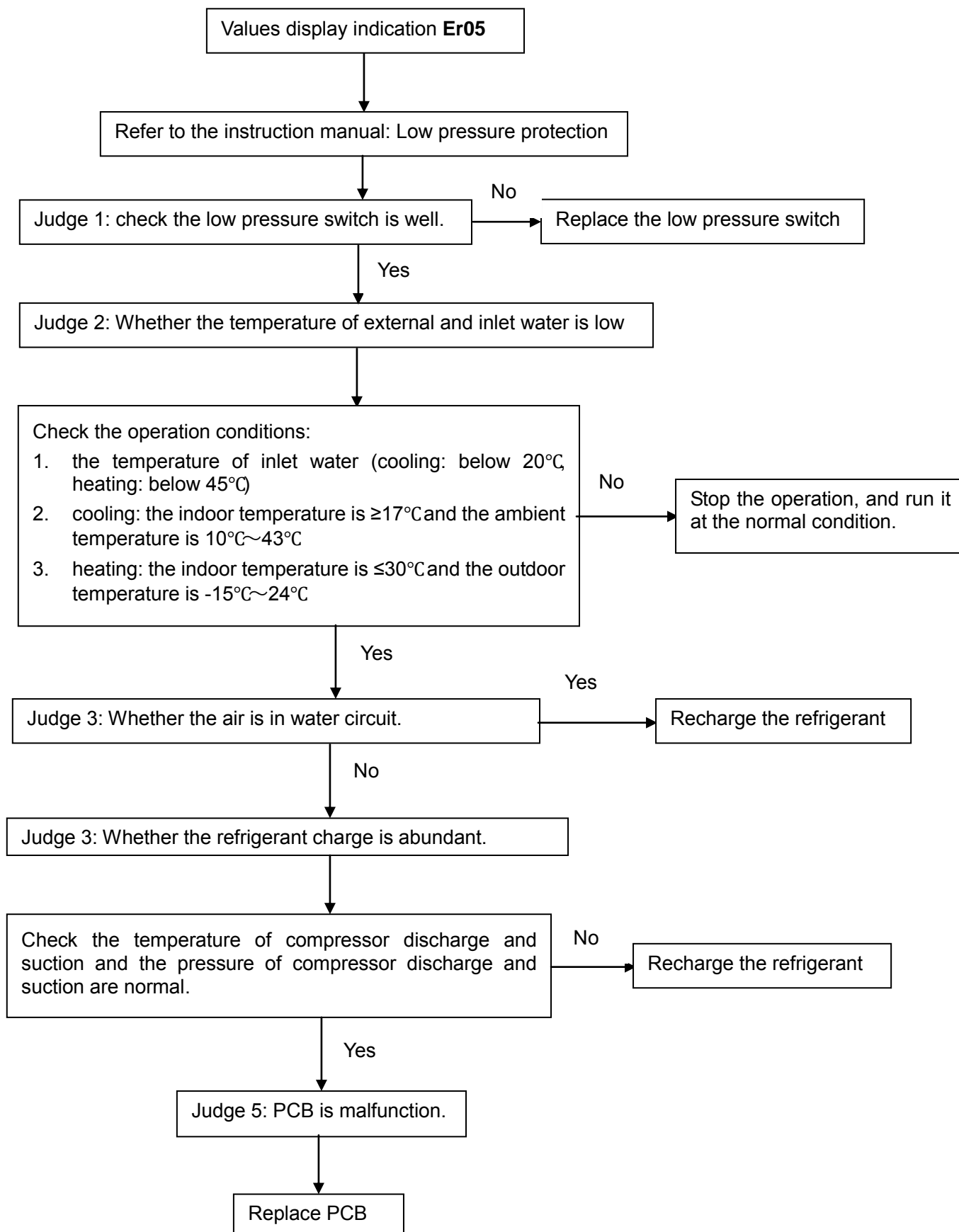
High pressure > 4.4MPa, display Er01, compressor and outdoor fan stop, the chiller can only resume from protection manually.



3. Low pressure protection (code: Er05)

Low pressure < 0.15MPa, display Er05, compressor and outdoor fan stop; Low pressure > 0.3MPa, compressor and outdoor fan restart (3 minutes delay necessary)

If Er05 appears 3 times in 1 hour, the chiller can only resume from protection manually.



4. Electric protection Er41:

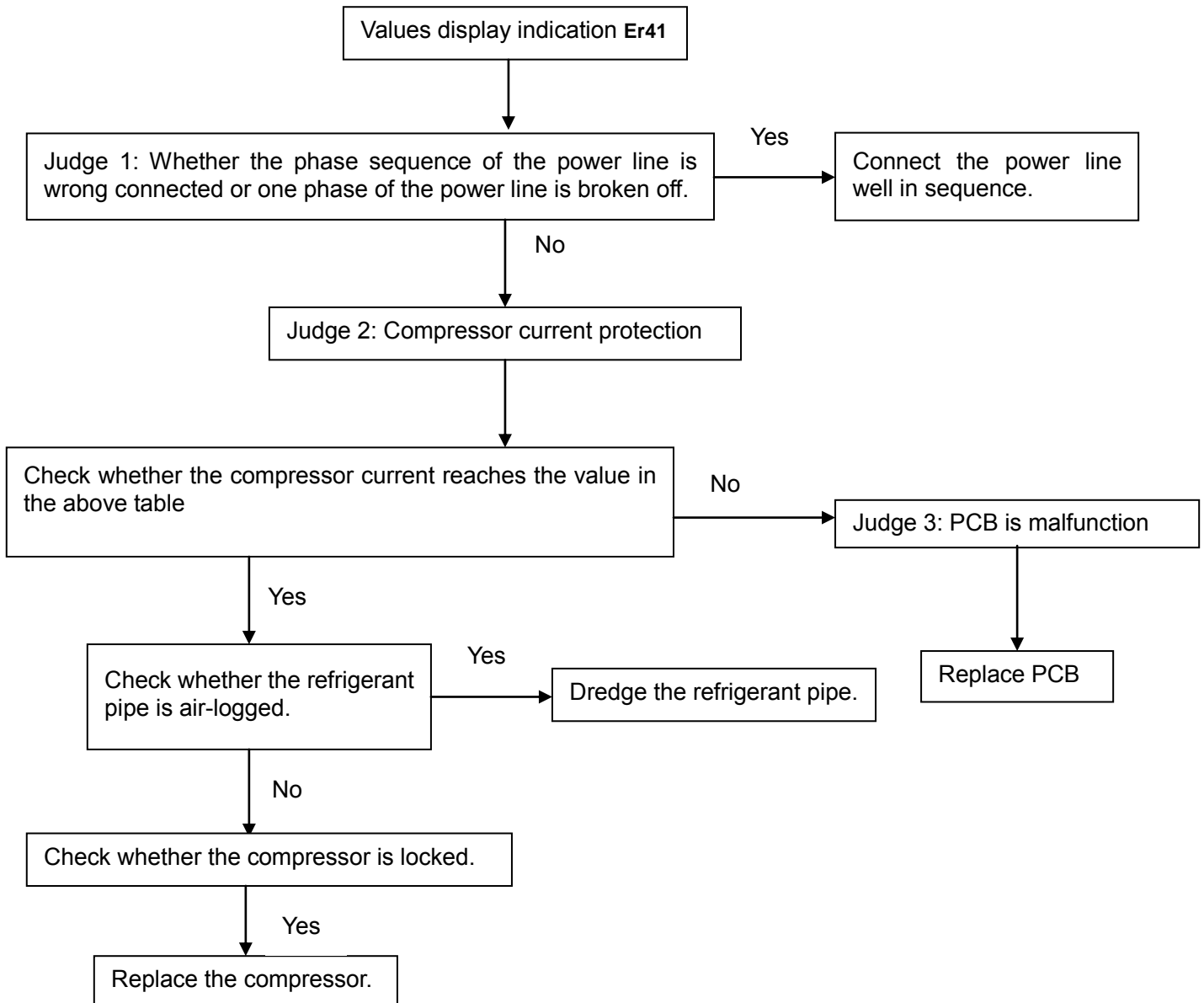
1) Phase protection of power supply:

When the chiller is powered on, if there is wrong sequence of power phase, lack of power phase, it will show Er41, the chiller can not run.

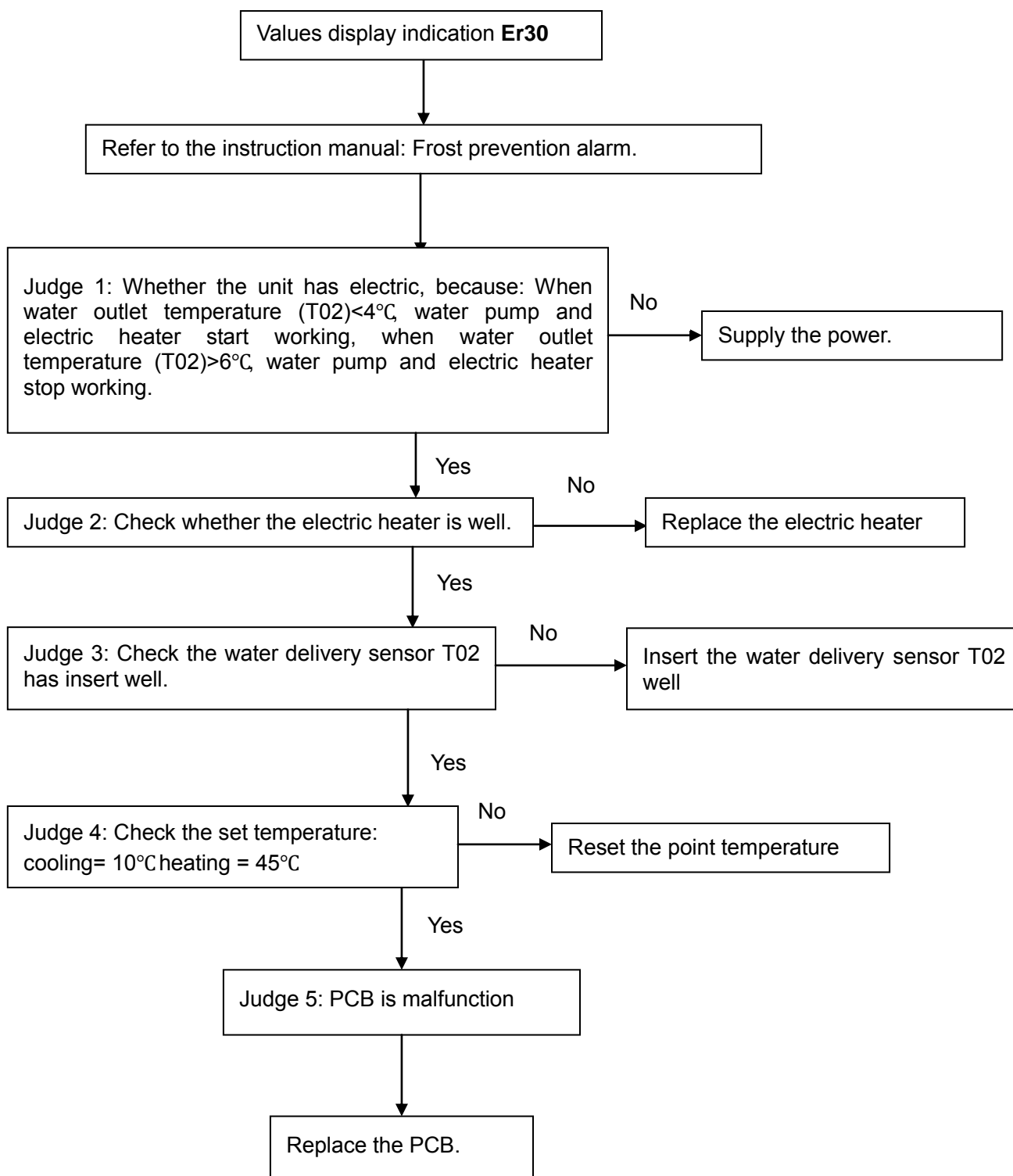
2) Compressor current protection:

If the operating current of compressor reaches the value below, system stops and shows Er41:

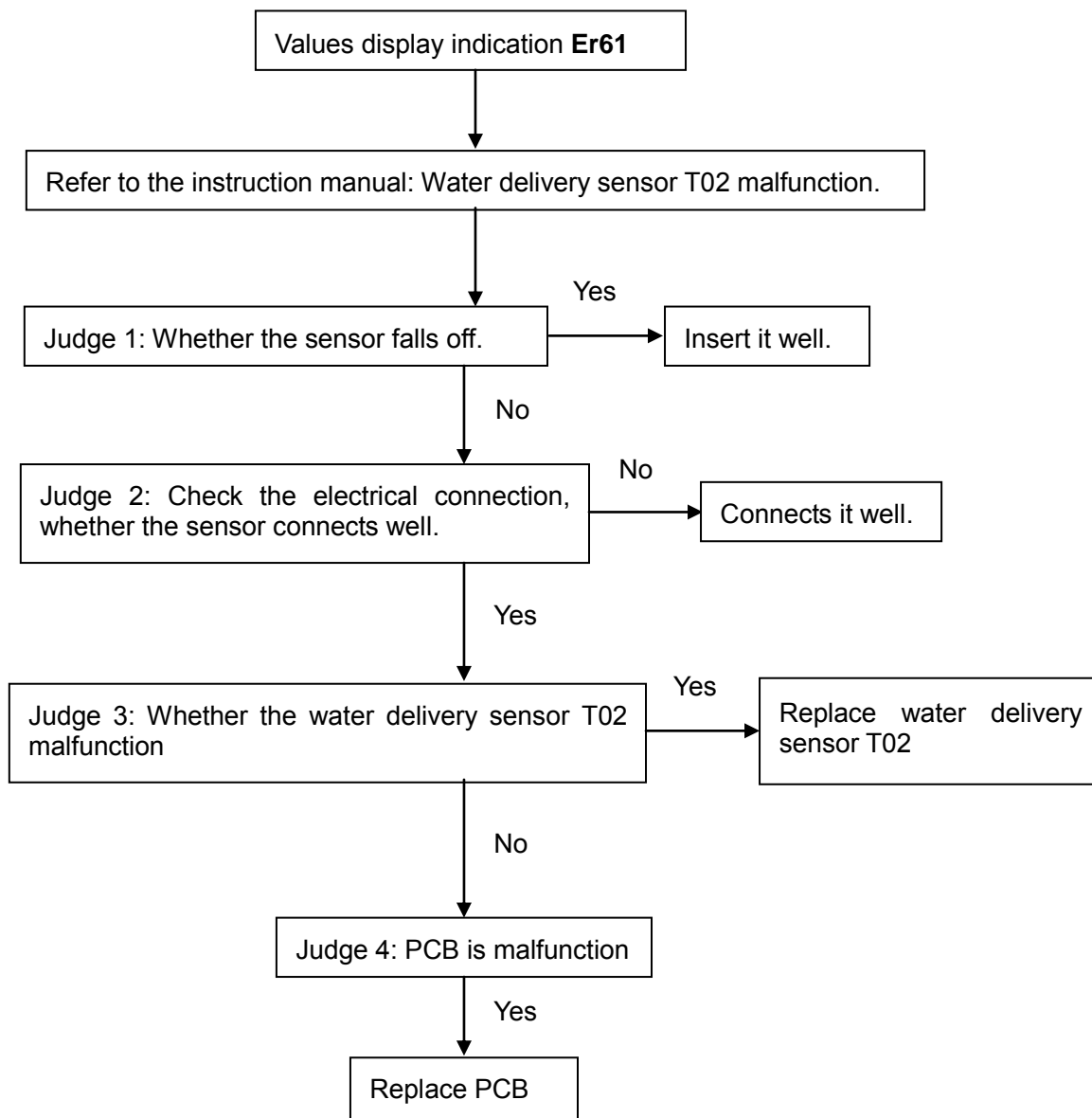
| Capacity (kW) | Compressor current value (A) | Capacity (kW) | Compressor current value (A) |
|----------------|------------------------------|----------------|------------------------------|
| | | 10(3N) | 18 |
| | | 14 | 25 |
| 10(1N) | 32 | 16 | 25 |



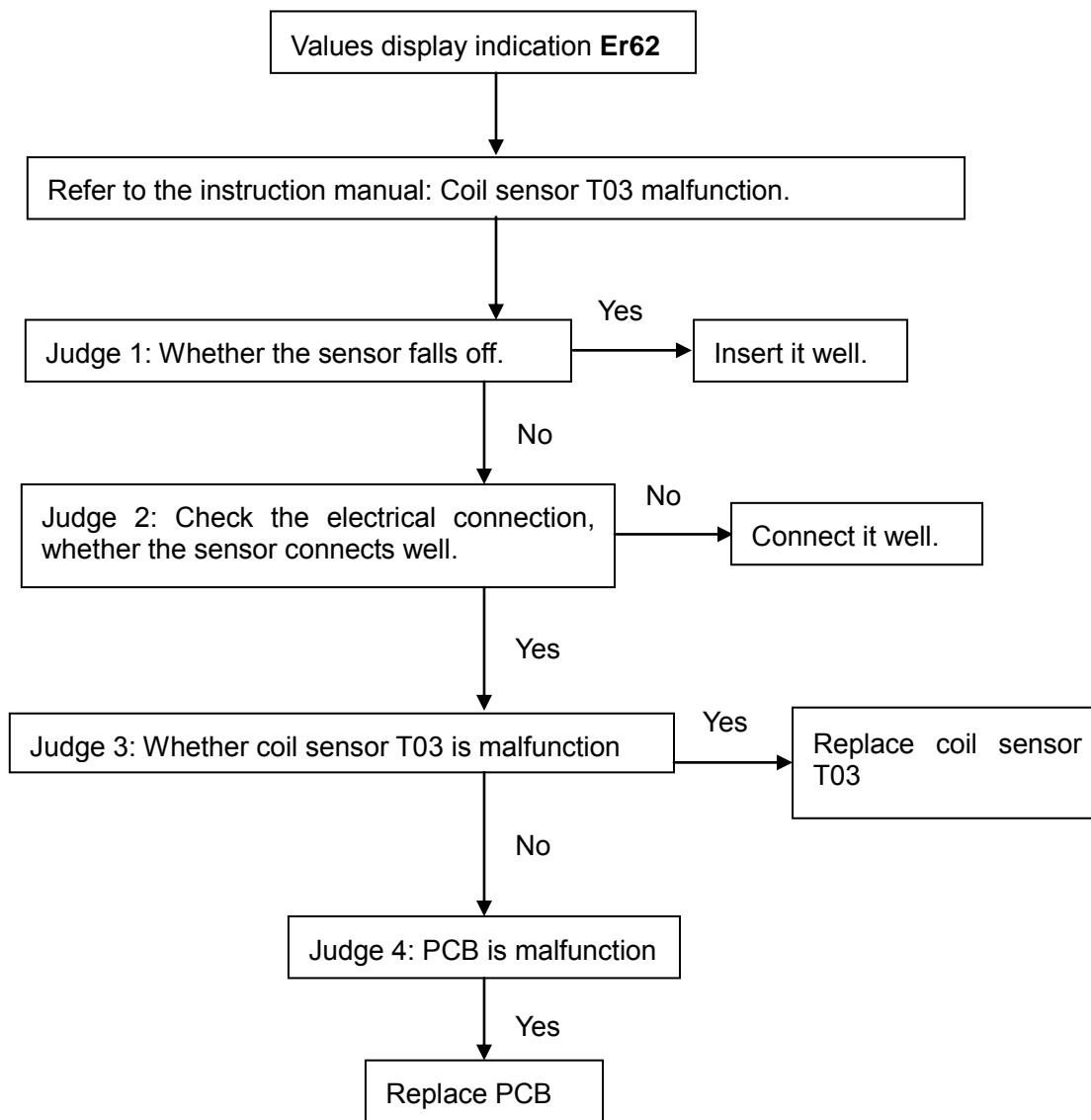
5. Error code Er30:



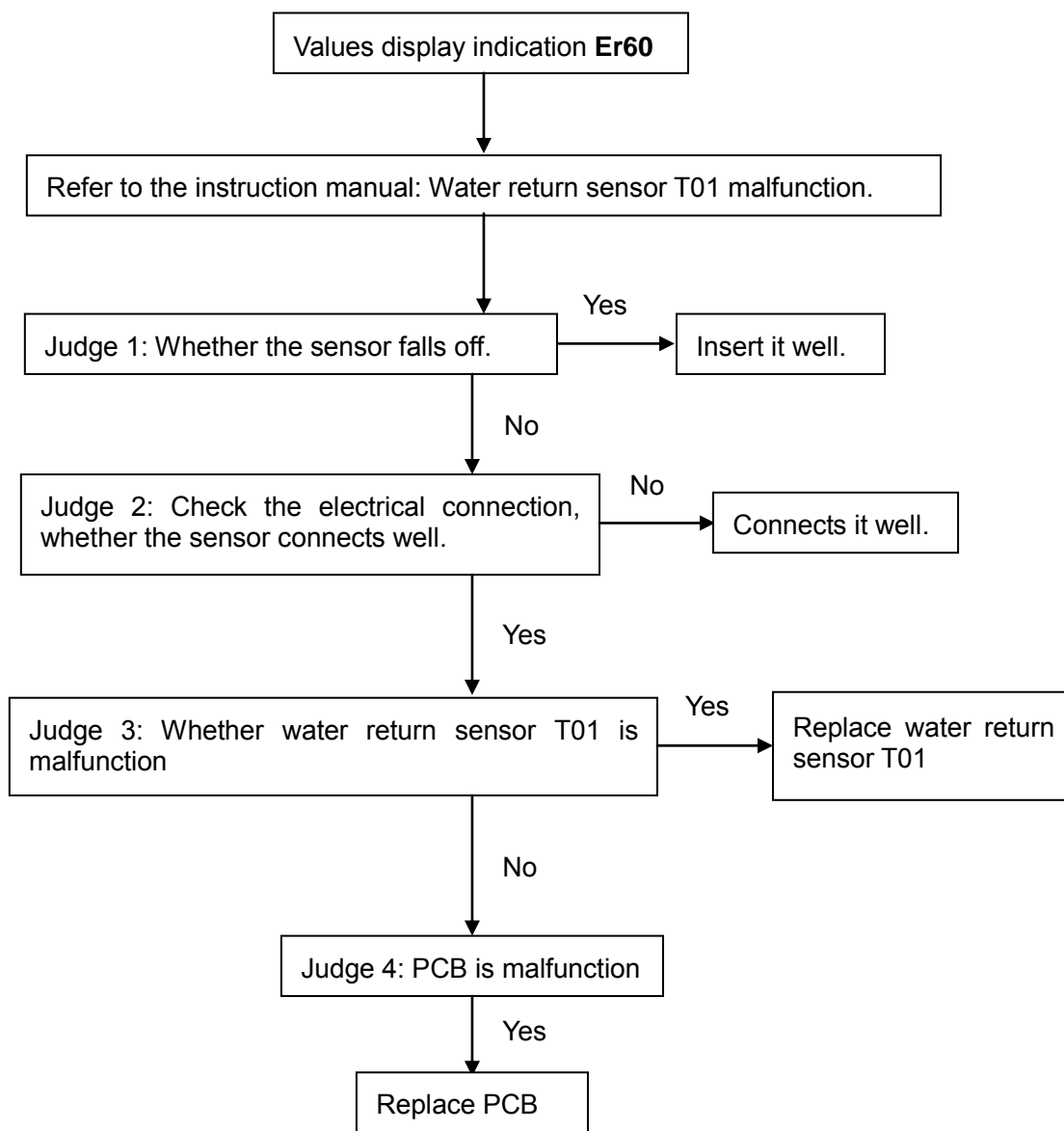
6. Error code Er61:



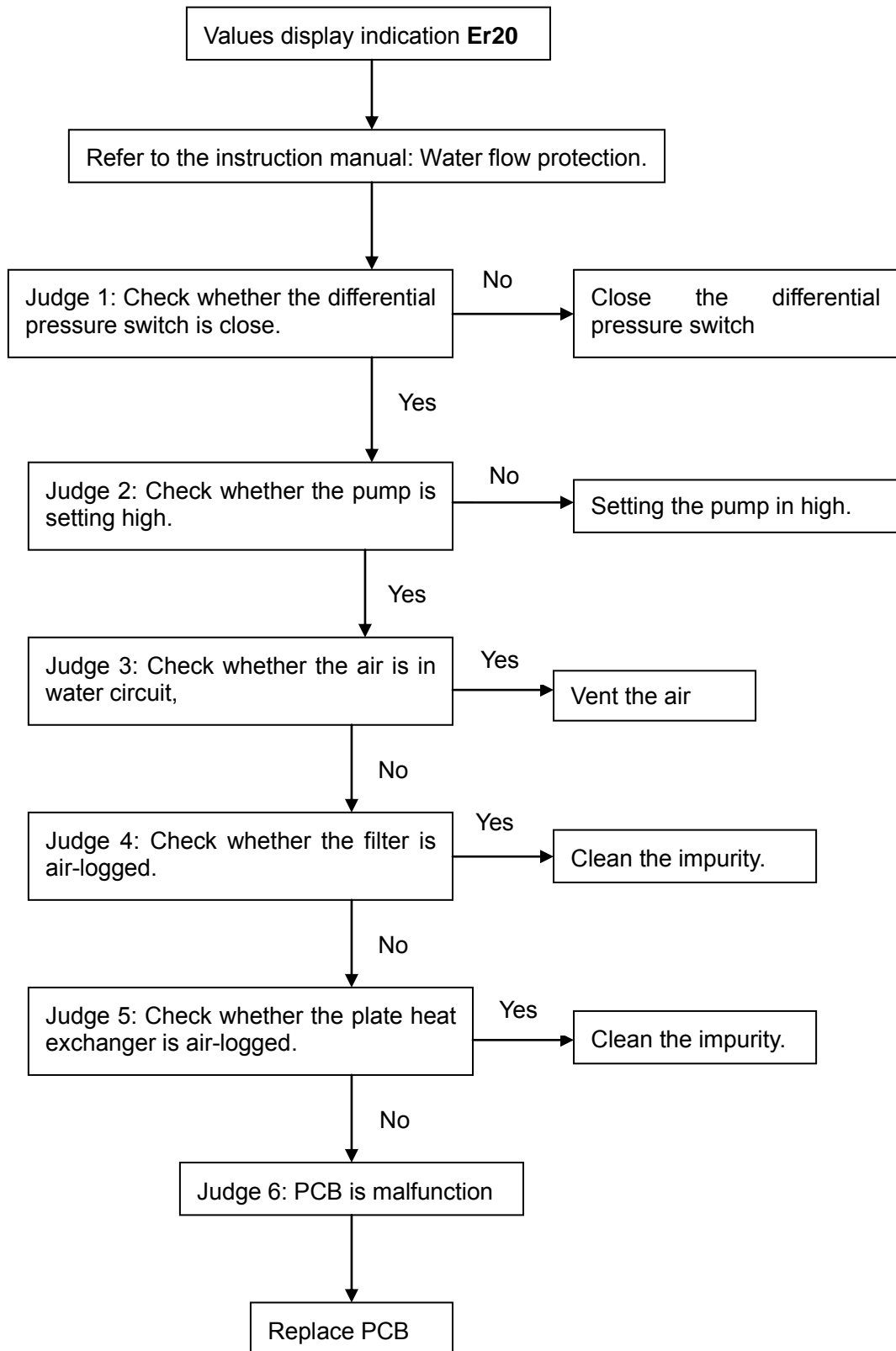
7. Error code Er62:



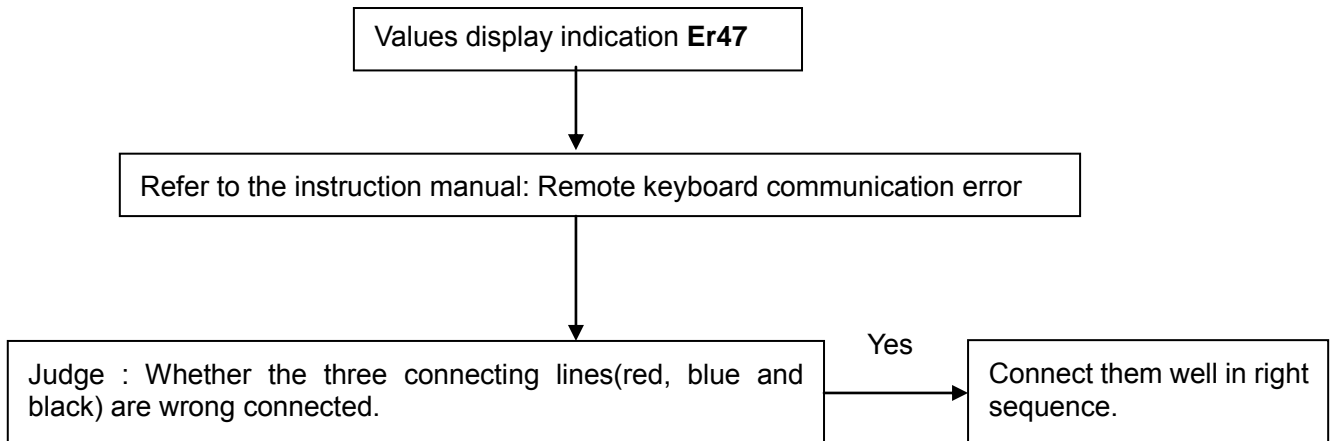
8. Error code Er60:



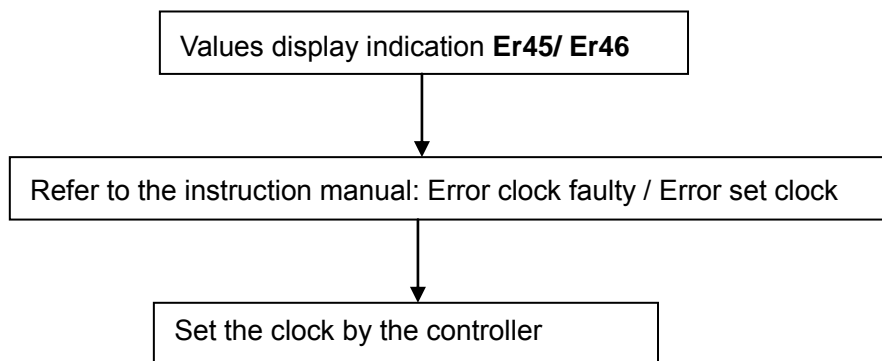
9. Error code Er20:



10. Error code Er47



11. Error code Er45/ Er46



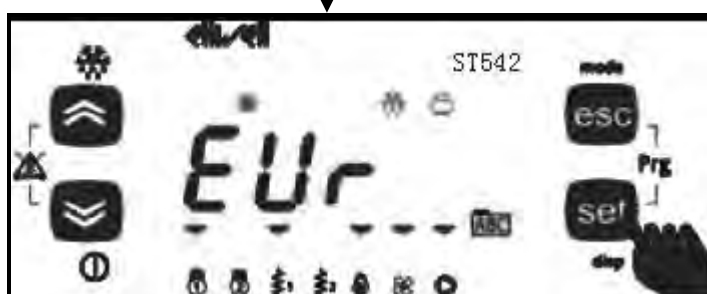
12. Error code Er90

Values display indication **Er90**

Refer to the instruction manual: Alarm history records exceeded 99 times

In this condition, it must be recovered by manual reset, please do as follow on the control interface

Press [esc + set] in the main screen. The label 'PAR' will appear. Scroll with 'UP' and 'DOWN' to find the 'FnC' label. Press 'set'. The label 'dEF' will appear. Scroll with 'UP' and 'DOWN' to find the 'EUr' label. as the following picture.



Press the "set" key for 3 seconds [set]

The 'YES' label appears to indicate that the alarm log has been deleted. The trouble is solved.





Air Conditioning Systems

Cooling & Heating

TRUST AIR-CONDITIONING EQUIPMENT CO.

Shiraz office: 8 th floor, Alvand Blog., Dostan St.,
Moaliabad Ave., SHIRAZ, IRAN., Post code: 71877-14446

Tel.: +98-71-36341070

Fax.: +98-71-36341094

Tehran office: No. 19- koohe nour St.- Motahhari St.-

TEHRAN, IRAN., Post code: 15876-73111

Tel.: +98-21-89389

Fax.: +98-21-88541903

Ahwaz office: No. 309- Kaveh St.- AHWAZ, IRAN., Post code: 61939-
47911

Tel.: +98-61-32230647-8

Fax.: +98-61-32230647

E-mail: info@trustacs.com

Web site: <http://www.trustacs.com>

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