

## 8. TROUBLESHOOTING

### 1. Trouble code display

When the controller creates protection, press the sensor button, the trouble codes will be displayed at the place for the indoor temperature on the VFD of the indoor unit. Once a trouble code appears due to the trouble of the air conditioner, it can not be cleared unless the machine is powered off.

Trouble Code Table (★ means the light diode lights up; ☆ means the diode goes off)

| Content of trouble                          | Indoor display code | Outdoor unit display |       |       |
|---|---------------------|----------------------|-------|-------|
|   |                     | LED02                | LED03 | LED04 |
| Indoor sensor trouble                       | 1                   |                      |       |       |
| Evaporator sensor trouble                   | 2                   |                      |       |       |
| Evaporator freezing                         | 3                   |                      |       |       |
| Over hot of indoor heat exchanger           | 4                   |                      |       |       |
| Communication trouble                       | 5                   |                      |       |       |
| Fan motor trouble                           | 6                   |                      |       |       |
| Air outlet sensor trouble                   | 10                  |                      |       |       |
| Lightness sensor trouble                    | 11                  |                      |       |       |
| Indoor unit E <sup>2</sup> PROM trouble     | 13                  |                      |       |       |
| Outdoor sensor trouble                      | 21                  | ★                    |       |       |
| Condenser sensor trouble                    | 22                  |                      | ★     |       |
| Over hot of compressor                      | 23                  | ★                    | ★     |       |
| Over current                                | 26                  |                      | ★     | ★     |
| Overload protection                         | 27                  | ★                    | ★     | ★     |
| Power voltage trouble                       | 28                  | ☆                    |       |       |
| Momentary power failure                     | 29                  |                      | ☆     |       |
| Overload of outdoor unit for cooling        | 30                  | ☆                    | ☆     |       |
| De frosting                                 | 31                  |                      |       | ☆     |
| IPM trouble                                 | 33                  | ☆                    |       | ☆     |
| Data failure of outdoor E <sup>2</sup> PROM | 33                  |                      | ☆     | ☆     |

### 2. Trouble code display when frequency is restricted

When the protection function is in action, the compressor doesn't work, only its frequency is restricted, the LED of outdoor unit displays the work condition.

| Serial number | Cause of frequency restriction        | LED OF outdoor unit |       |       |
|---------------|---------------------------------------|---------------------|-------|-------|
|               |                                       | LED02               | LED03 | LED04 |
| 1             | In good condition                     | ★                   |       |       |
| 2             | Power voltage isn't in normal range ☆ |                     | ★     |       |
| 3             | Overload of outdoor unit              | ★                   | ★     |       |
| 4             | Over current of outdoor unit          |                     |       | ★     |
| 5             | Exhaust over hot                      | ★                   |       | ★     |
| 6             | Evaporator freezing                   |                     | ★     | ★     |
| 7             | Setting frequency resistance          | ★                   | ★     | ★     |