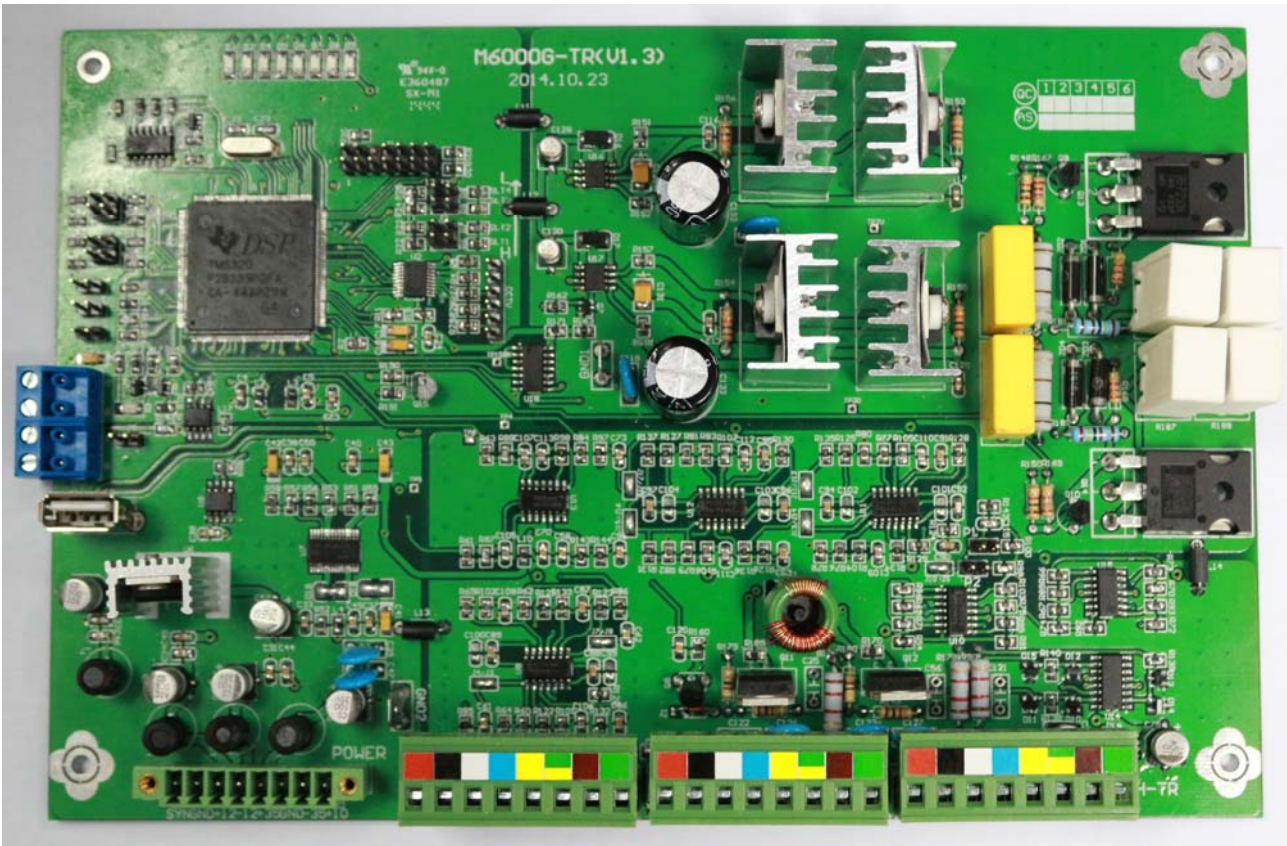


One, overview

AM M6000G-TR detection board for 58KHz sound magnetic (AM) detection system board. The system board is composed of a main board (M6000G-TR), a ANT (EG6000E ANT), and a receiving board (M6000G-R). Can be equipped with the antenna M6088G-TR/M6090G-TR/M6080G-TR/M6088SG-TR (there is a transceiver function); M6080G-R/M6088SG-R /M6088G-R/M6090G-R (only the receiver function).



M6000G-TR Master Board



M 6088



M 6090

Two, the use of combination

1. single sending and receiving state

The area of both sides of the antenna is monitored by a single M6088G-TR/M6090G-TR/M6080G-TR/M6088SG-TR (with a transceiver function).

2. A two charge state

From a M6088G-TR/M6090G-TR/M6080G-TR/M6088SG-TR and two M6088G-R/M6090G-R/M6080G-R/M6088SG-R is responsible for monitoring the area between two receiving antennas.

3. Multi machine use

If you need to use more than one M6088G-TR/M6090G-TR/M6080G-TR/M6088SG-TR to use the need to synchronize with the machine.

Three. Electrical description

1. Power supply

AC voltage: 220--240VAC@50Hz

Power insurance: 250V, 0.63A

Maximum current: 100mA

Power consumption: <25W

Note: the power cord shall be used to ensure reliable grounding of the grounding line. The power box is not too far away from the launch pad, the proposed 10 meters within the best



EG105 power supply

EG105 power supply output interface (including synchronous signal) for the main board

Four. Main functions

1. socket

A power outlet POWER, CH-R2, CH-TR, CH-R1

2. indicator light

.D1 for the red indicator light, when the alarm is displayed.

.D2 for the blue work indicator, to a second for the cycle of the flash.

.D3-D9 to receive signal strength indicator, D3 is the highest, D9 is the lowest. Usually show the receiving signal intensity of the transmit antenna, if the CH-TR channel is shielded, can show the signal intensity of CH-R2, if CH-R2 is shielded, can show the CH-R1 signal strength, which is related to the choice of system function.

3. System function selection

JP4, four JP5 jumper for the selection of working mode.

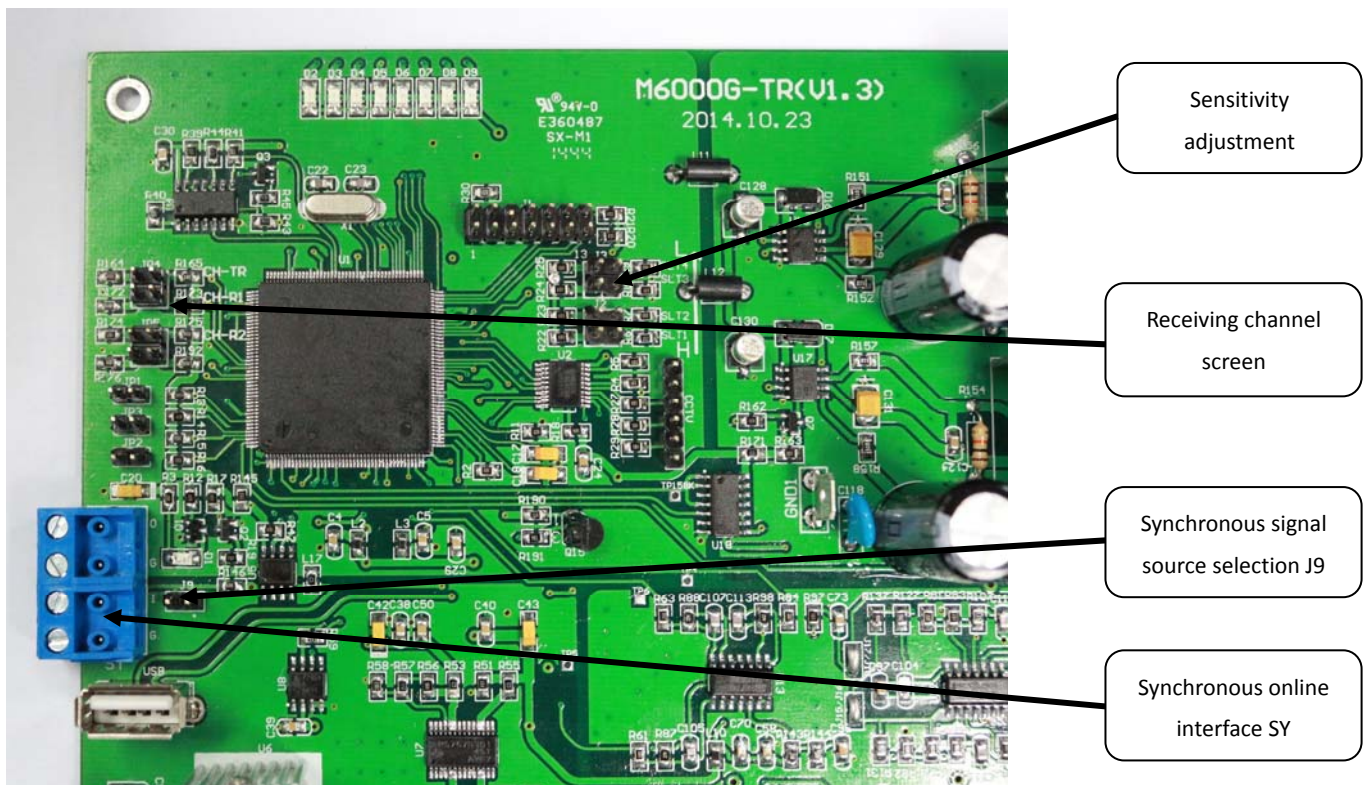
- 1) was the first jumper plug on shielding CH-TR channel receiver, is receiving the channel signal does not cause alarm, signal intensity is not through the lights.

- 2) shielding second jumper plug on CH-R2 channel receiver, is receiving the channel signal does not cause alarm, signal intensity is not through the lights.
- 3) receive third signals on CH-R1 channel jumper plug shield is not caused by the received signal channel alarm, signal intensity is not through the lights.
- 4) fourth jumper plug will make the system in the probe mode, but additional probe.
- 5) J9 plug in the signal is used in power supply of EG105 signal source, if you do not plug in the use of DSP's own signal source.

The first three functions can be set according to the actual use of the need, in addition to the debugging can also be used to set the signal to a certain way to allow the signal to signal intensity of a channel. After setting up to a certain way, we need to play a new role in power.

4. Sensitivity setting

J3, J2 is used to set the sensitivity. SLT1, SLT2, SLT3, SLT4 of the four jumper is not inserted to the highest sensitivity, decreased from the bottom to the top plug jumper sensitivity, a position can only be inserted or not inserted. Set up after the power is to re play a role.



Five installation and commissioning

1. Mounting antenna

In accordance with the requirements of installed antenna bracket, several socket position to plug on the CH-TR, ANT, CH-R1 and CH-R2 transmitting board, M6000G-R board, M6000G-TR board magnetic system can be installed in M6090G-TR, M6088G-TR, M6088SG-TR, M6088G-TR and M6090G-R, M6088G-R, M6088SG-R, M6088G-R antenna frame.

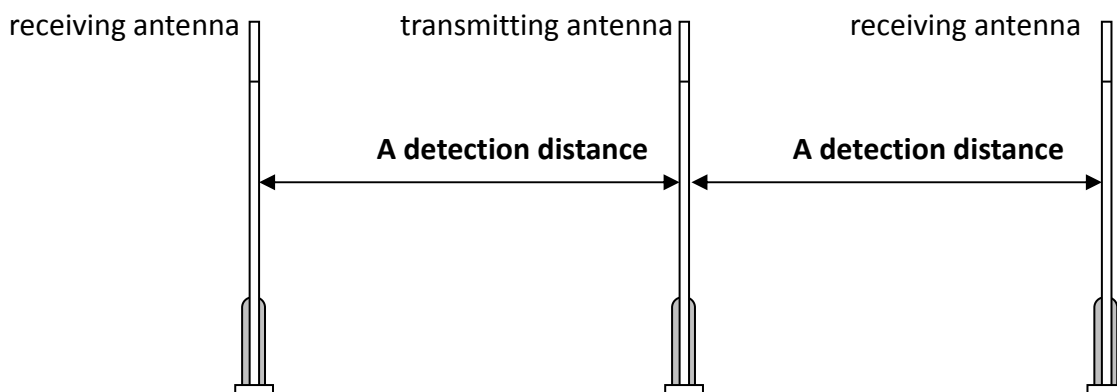
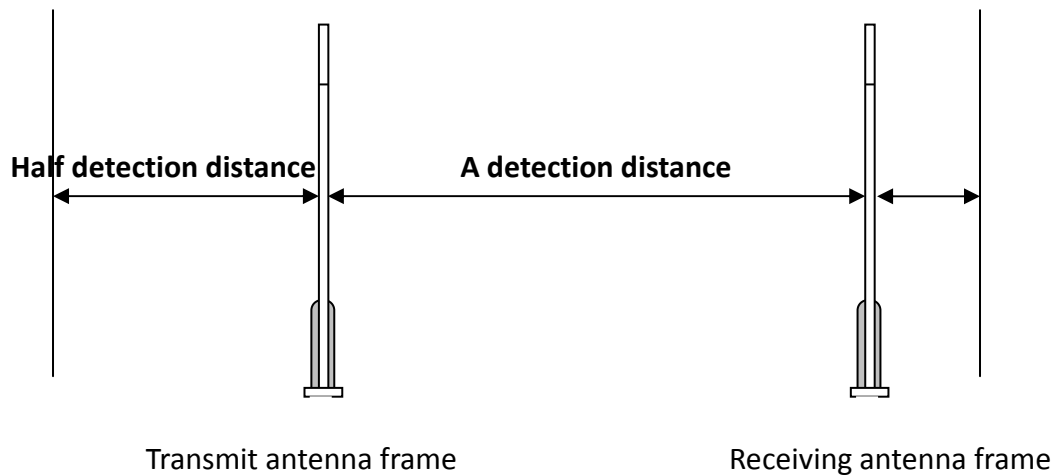
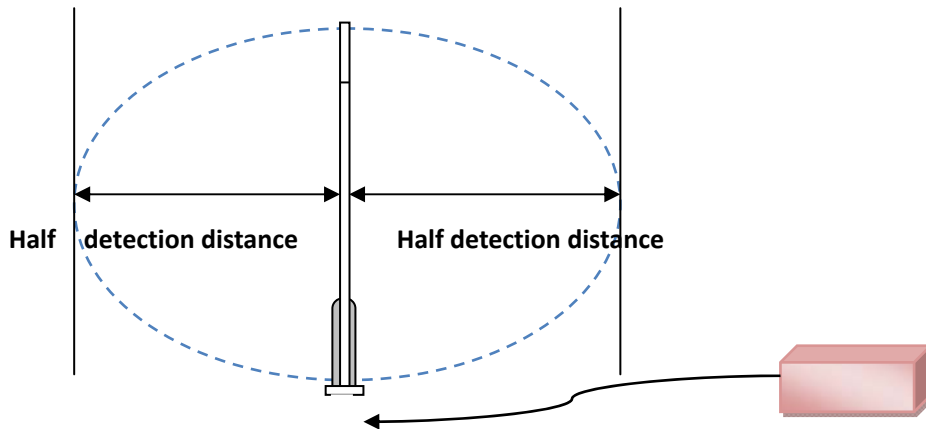
2. environmental testing

Installation, wiring can be properly after the observation of the corresponding receiving channel in the absence of the label of the environmental interference signal, if the signal is very strong, you need to check the reasons, it will be eliminated or weakened. If you can find no way to eliminate the source of interference or weaken, it can only reduce the sensitivity of the device. A normal environment is normal, the two grid is strong, it is a not very good environment.

Common installation diagram

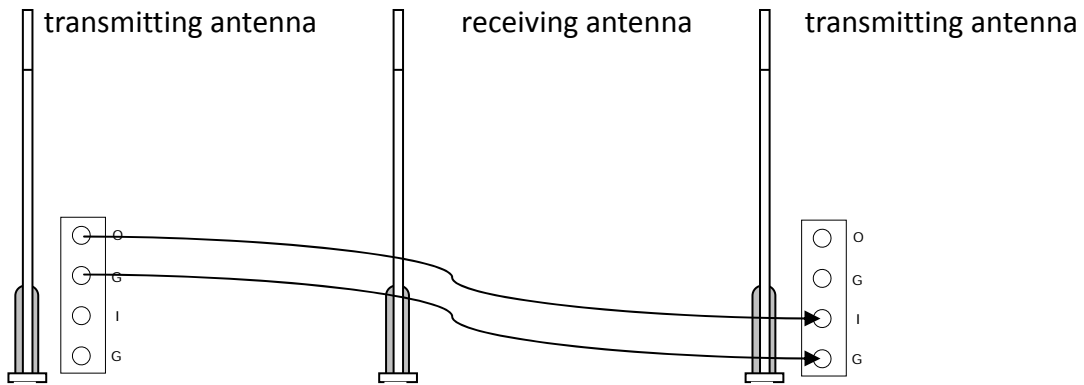
hard tags, with AM 10581 as a reference standard, so the HT007 hard tags to further

Transmit antennas (single supports can also be detected)



The standard one for two

If the use of multiple transmit antennas, consider the following ways to solve the problem of two transmit receive no alarm.



Synchronous on-line signal for multiple transmit antennas

Note: the synchronous online connection of the master, with two core line will be the output of O and G respectively with the slaver of the end side input end connected to I and G, and so on, can be installed to connect multiple sets of system. Receiving antenna frame, according to the need of a support, can also drag two. Synchronous signal source can be provided by EG105 power supply, EG991 synchronous box or the transmitter board itself. The main launch J9 even, the Deputy fired J9 off.

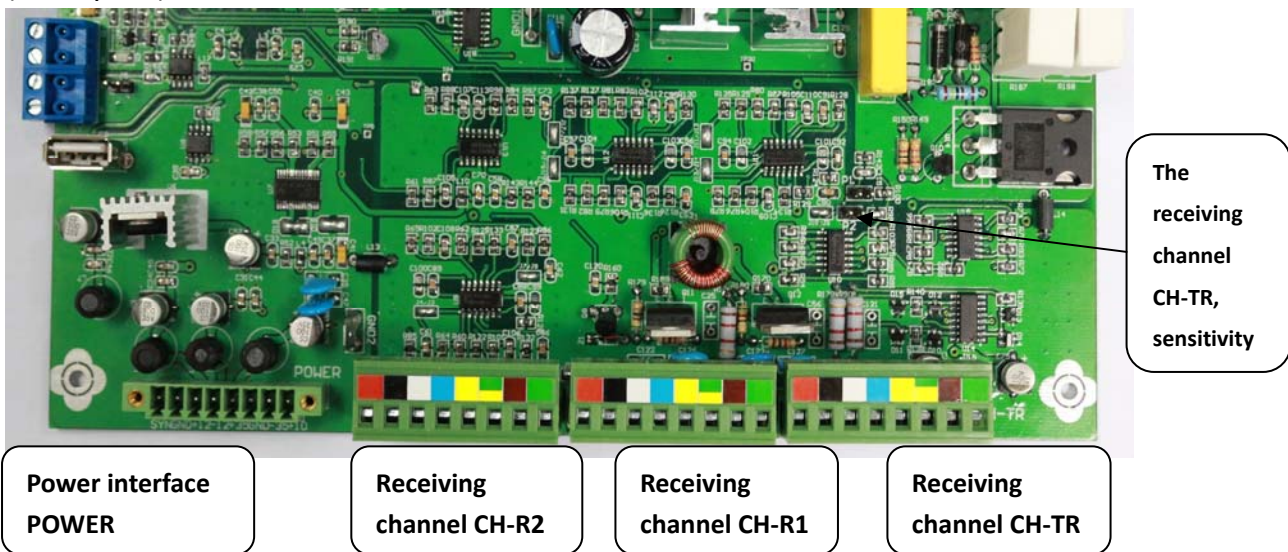
3. warnings

- Detection antenna with independent sound and light alarm function
- Alarm time can be adjusted M6000G-R receiver board VR4, sound size can be adjusted VR3.

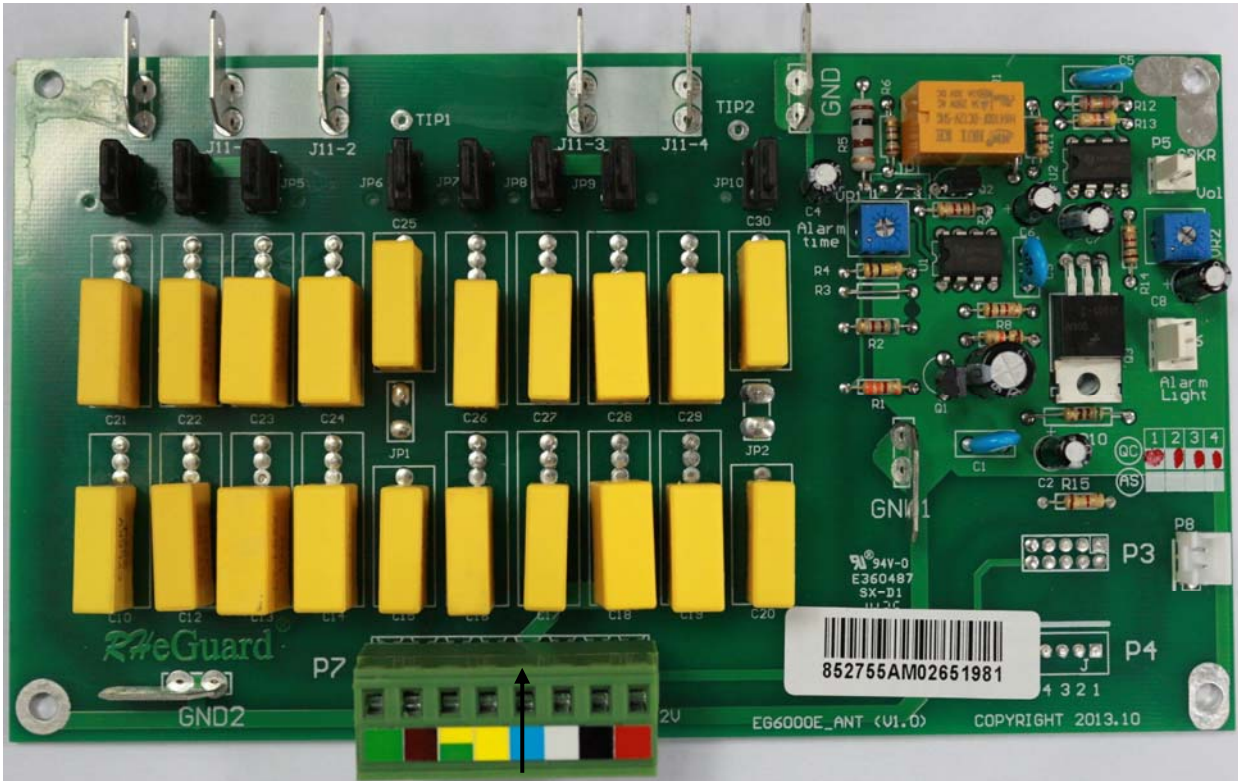
Six, machine board specific connection

(1). M6000G-TR of the transmission board (see Figure)

There are four sets of connection sockets in the main transmitting plate, respectively, The electrical outlet POWER, the receiving channel CH-R2, the receiving channel CH-R1 and the transmitting receiving channel CH-TR. Each connection area has 8 terminals, 8 terminals at the connection plug must be (as shown below) green, brown, yellow, yellow, (outer shield) blue, white, black, red sequence wiring connected. CH-R2, CH-R1 and CH-TR are the same as the order of the same. (with the EG6000E line of the wiring sequence), in which the receiving channel CH-TR receiver sensitivity can also be adjusted by P2, P1, short circuit block is not inserted, the highest sensitivity, each insert will be reduced, these are only in the case of interference (usually not).



(2) . ANT EG6000E of the transmission and matching version of the wiring and use instructions



Launch matched ANT board port with CH-TR



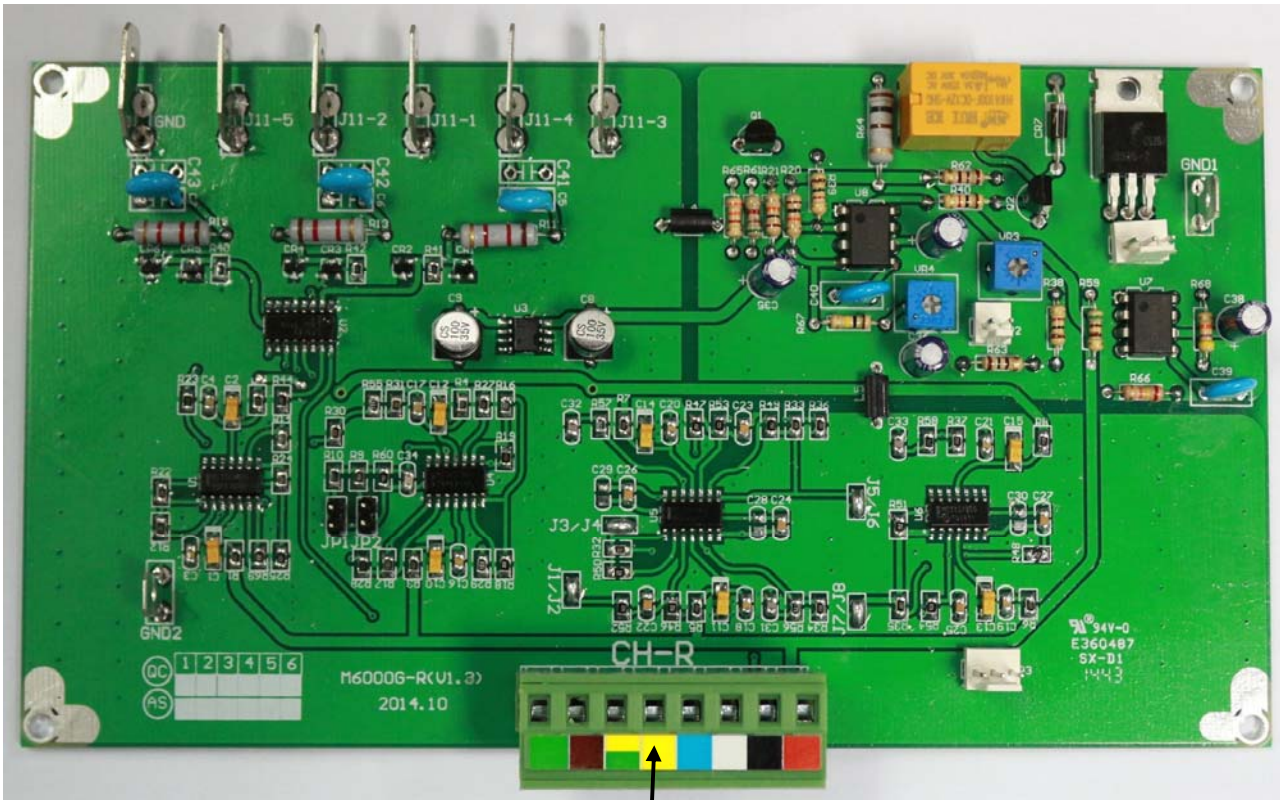
P5 buzzer interface

VR2 sound size adjustment

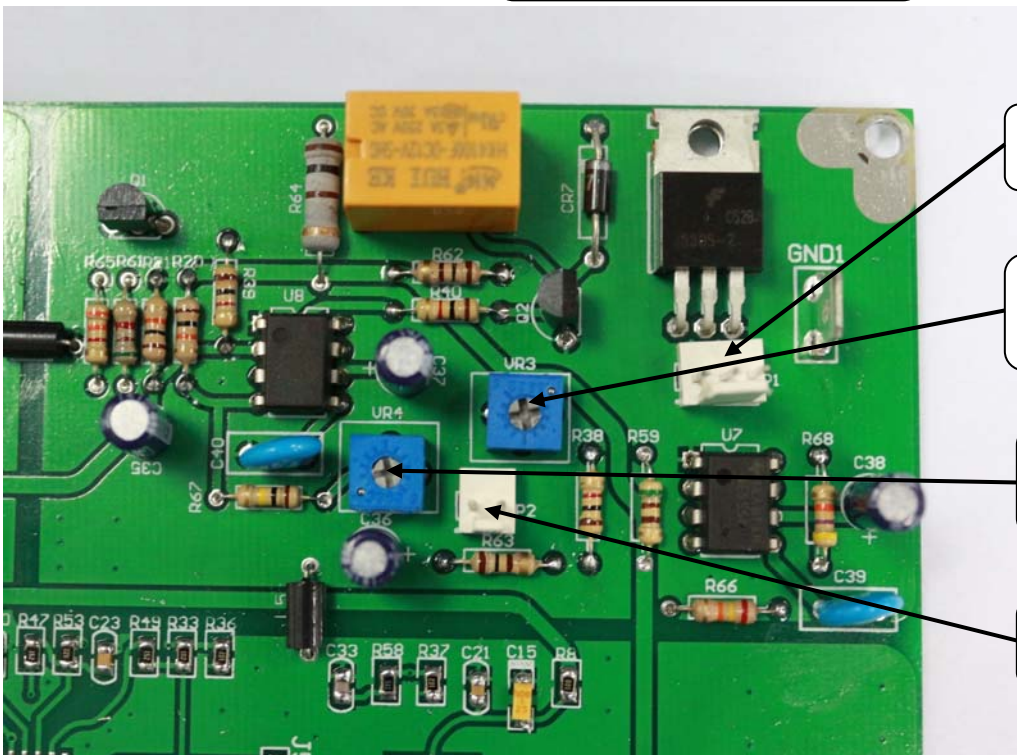
VR1 alarm time adjustment

P6 alarm lamp interface

(3) . Connection and usage of receiving board M6000G-R



The receiving board is connected with CH-R1 or CH-R2



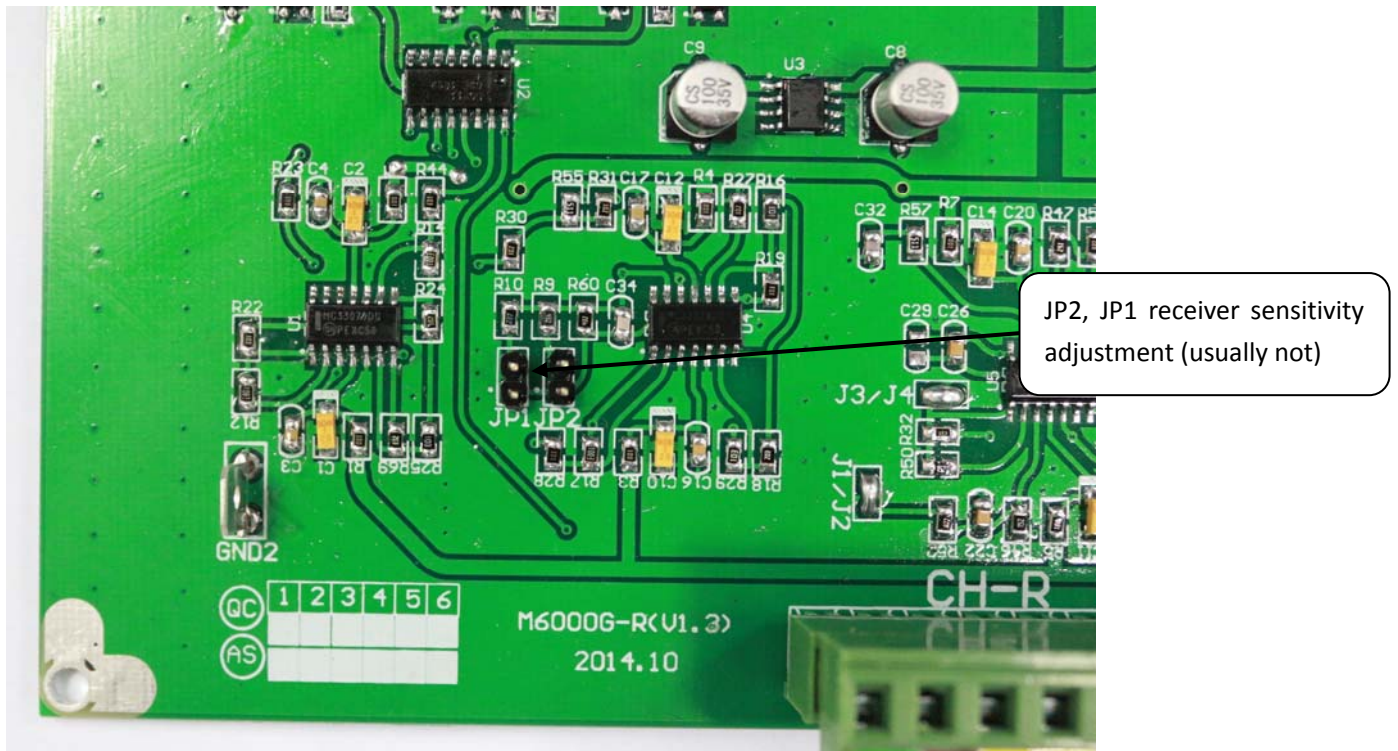
P1 alarm lamp interface

VR3 sound size adjustment

VR4 alarm time adjustment

P2 buzzer interface

If the environment is very bad, you can reduce the sensitivity of the receiving plate by JP1 or JP2.



Seven. Equipment installation considerations and simple trouble shooting

Equipment installation note:

- A. equipment before installation on the site may appear to conduct the assessment; installed power supply line power supply line of electrical equipment or energy-saving lamps of large converter lift in 10 meters range of antenna jamming equipment may, before installing the store for the best know wire path.
Solution is: the installation of a frequency converter of the elevator and other large electrical equipment antenna away from 10 meters or more. The disturbance of the energy saving lamp can be changed to the electronic ballast which we have specified. Electronic ballast (such as the GUZHEN MODERN LIGHTING ECTRON EL FACTORY ZHONGSHAN) factory is not interfering with our equipment.
- B. equipment to be installed in a reliable grounding. Require the use of independent power supply, degaussing device and equipment to use the same line electric power socket, and degaussing device and equipment should be identified.
- C. equipment must be tested in fixed time, and the installation distance should be determined according to the test conditions.
- D. The best of the D. equipment is used in the shop.

Any Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.