PB-205R wireless receiver

1. Introduction

PB-205R is mainly for transfer wireless signal when distance between detectors is too long or serious obstruct between detectors, PB-205R can magnify signal and send to control panel. Detectors can be connected with PB-205R by learning code. PB-205R can transfer at most 60 detectors signal, it compose with detector to one to one mode to avoid interference by learning code. PB-205R uses advanced multilevel transfer method, at most transfer 15 levels, 10km far distance. It with tamper alarm function, and with particular address code of itself. When need multilevel transferring, PB-205R will be used as a wireless detector which adopts data base commute among levels, the equipment above 0 level does not need to learn code, it can transfer all wireless address data including itself address code to goal transmitter.

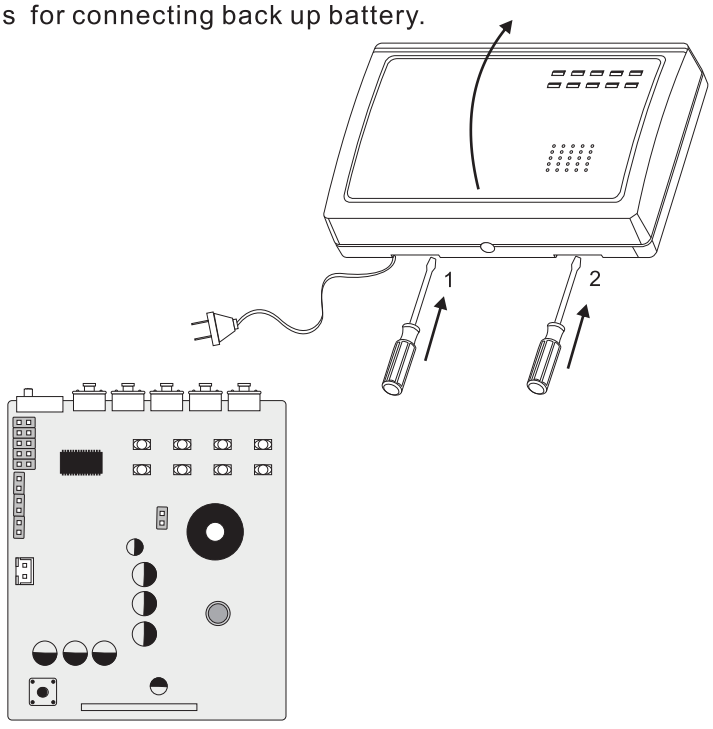
2. Technical parameter

Input Voltage：12V
Static state current：≤25mA
Wireless transmitting current：130mA
Wireless receiving distance：≤120m
Wireless transmitting distance：≤700m(open area)
Appearance(L*W*H):167*112*40mm

3. Installation and connecting

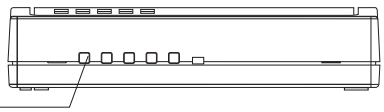
A. As below fig.：open the upper cover with screwdriver on the 1，2 clips, the inner structure can be seen.

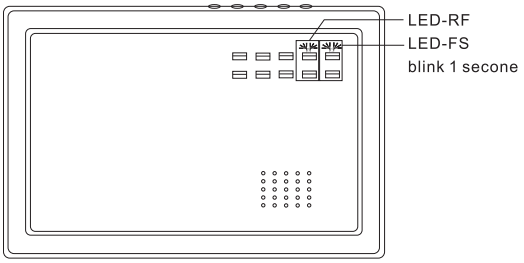
B. As below fig.: Connect battery to the interface on the PCB, the switch is for control power of battery, open is for connecting back up battery.



4. Learning code setting

As below fig., Press SAVE/TX button, then trigger wireless detector, after 1 second when LED-RF and LED-FS light together, release SAVE/TX, learning code over; repeat such operation for other wireless item, the item which have been learned will not be learned any more.

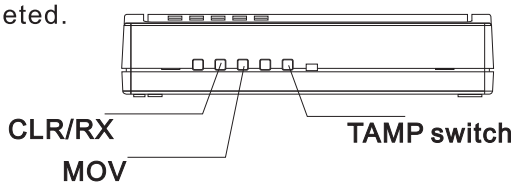


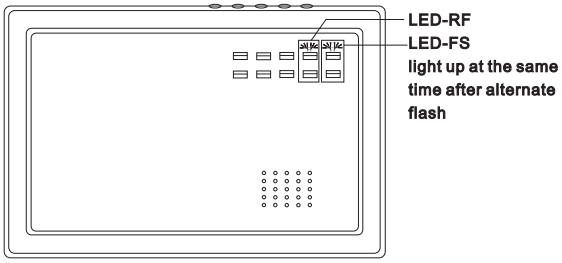


Note：when wireless learning code, press SAVE/TX, if there are some other wireless items sending same format data at the same time, PB-205R will also learn it, so we suggest shorten learning code period as fast as you can.

5. Delete detector code

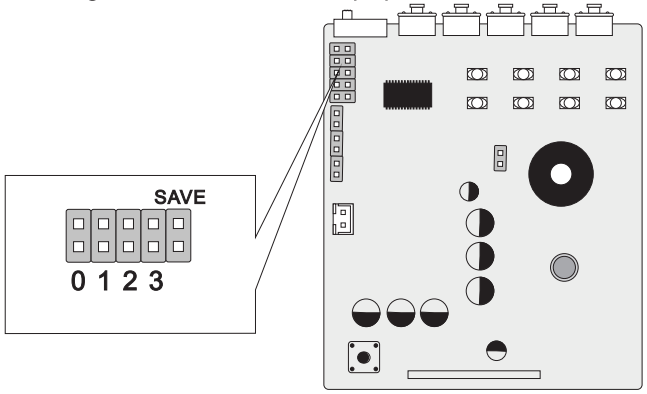
Press CLR/RX and MOV switch simultaneously, trigger TAMP switch,LED-RF and LED-FS light up at the same time after alternate flash, release CLR/RX and MOV switch, then trigger TAMP switch again, code will be deleted.



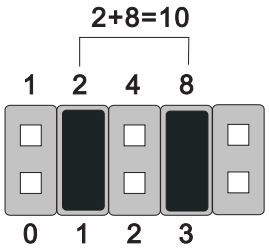


6. Level setting

Setting transmitting level by 4-digit address jump setting, at most can set 0-15 level, any transmitting system must has one 0 level transmitter, and during data base commuting, must one level to one level from 0 level, can not transmit jump one level,(eg.in 3 level transmitting system, must set 0,1,2 three levels), otherwise, it will not get the alarm signal from wireless equipment.

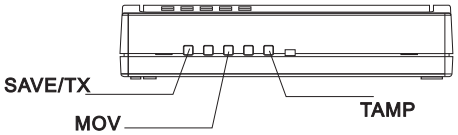


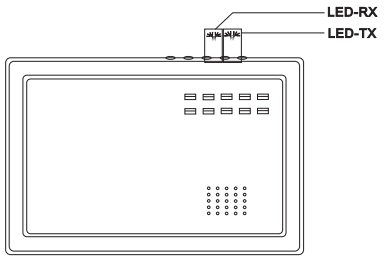
Setting method：short-circuit is “ON”,open-circuit is “OFF”； add the four numbers of the four switches correspond, the result is the level No.. Set the numbers needed to the “ON” position. As below fig. Showing, it is the level 10..



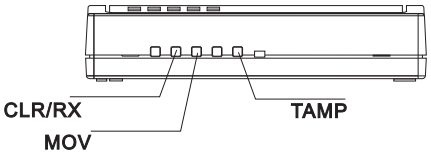
7.Data base commute(need open cover to set level)

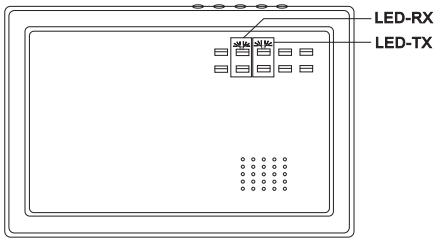
A. Keep pressing SAVE/TX and MOV buttons on the transmitter need to set as educe data base, and then press TAMP button, LED-RF and LED-FS light up after alternate flashing, release SAVE/TX and MOV buttons, LED-TX light, LED-RF, LED-FS alternate flashing, transmitter enter educe data base mode, in order to avoid false operation, before LED-RF and LED-FS light simultaneity, release any one of SAVE/TX or MOV will cancel operation.





B. Keep pressing CLR-RX and MOV buttons on the transmitter need to set as entry data base, and then press TAMP button, LED-RF and LED-FS light up after alternate flashing, release CLR/RX and MOV buttons, LED-TX light, LED-RF, LED-FS alternate flashing, transmitter enter entry data base mode, in order to avoid false operation, before LED-RF and LED-FS light simultaneity, release any one of CLR/RX or MOV will cancel operation.





C. The LED-RF,LED-FS on the entry transmitter alternate flash after 1 second, that is to say data commute end. Then, you need trigger TAMP button on the entry, educe transmitters to exit.