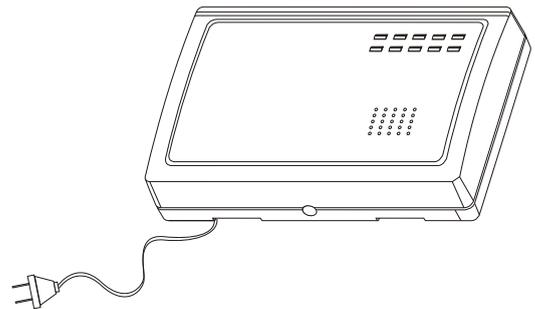


PB-205R wireless convertor

1. Preface

PB-205R wireless convertor adopts MCU. The product which is adopted in the long distance transmit and in the environment of strong obstacle can amplify the signal to panel. It can convert up to 60 detectors. For voiding interference, it is combined with detectors one by one through learn enrollment mode. It is only convert its attached detectors. It can convert wireless signal up to 10 kil distance through max 15 convertors. Ex. On requiring muti-level transmit, this convertor which adopts database exchange model between the levels transmits the signal including itself address code and detector message to the next convertor till the final. The others are not necessary to learn the detectors except the first convertor. Self-taking anti-tamper switch.



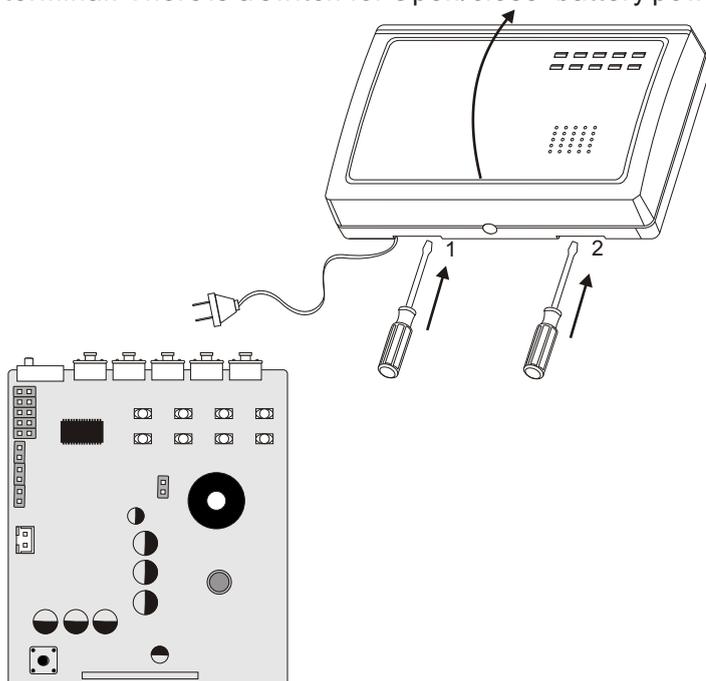
2. Characteristic

Input voltage.: 180V~240V AC
Static current: $\leq 25\text{mA}$
Work current: 130mA

Wireless receive distance $\geq 120\text{m}$
Wireless transmit distance $\geq 1000\text{m}$ (no barriers)
Dimension: 167*112*40mm

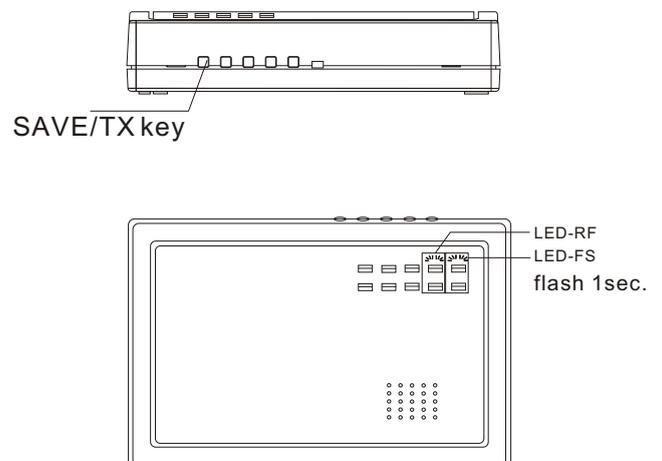
3. Installation and draw wire

- A. Refer to below: First, remove fastener 1 and 2 via screwdriver according to arrowhead; Then open the cover, you will see the inside structure.
- B. Refer to follow Fig: Draw the battery wire to the battery terminal. There is a switch for Open/close battery power.



4. Enrollment(learn mode)

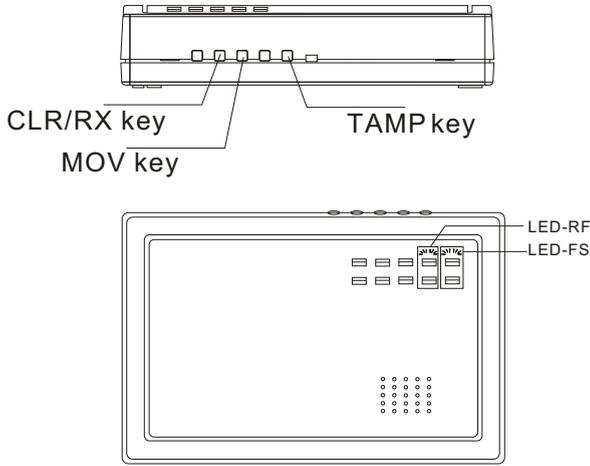
Refer to below Fig, first press SAVE/TX key then trigger the wireless detector; After LED-RF and LED-FS light synchronously 1 second, undo the SAVE/TX key. The enrollment is finished. Other detectors repeat above.



Caution: Please reduce the learn time as soon as possible, if the time is too long, it is probably to learn other wireless devices on pressing SAVE/TX key.

5. Cancel detector

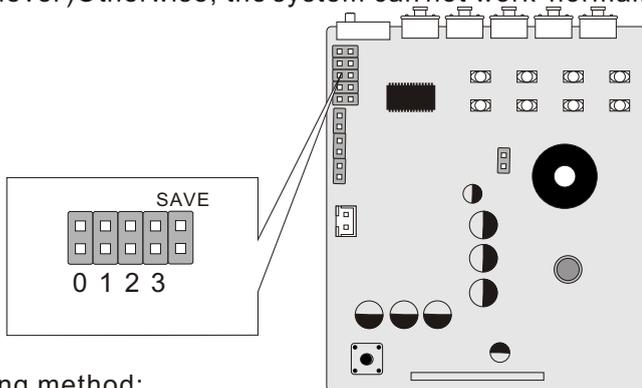
Press CLR/RX and MOV key together then trigger TAMP key and the LED-RF and LED-FS will flash by turn. After the two LEDs light synchronously, undo the CLR/RX and MOV key then trigger the TAMP key again for cancel the enroll.



6. Set the level

In the converters system, total of 16 levels from 1 to 16 level through jumper pin setting.

Caution: It is necessary to set the first level in the converters system. On exchanging the data between different levels, it can not jump over adjacent level but only transmit from 1 level to 2 level; one by one (ex. in a three levels converters system, it must have first, second and third level) Otherwise, the system can not work normally.

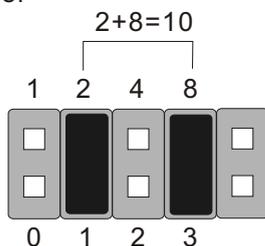


Setting method:

Short-circuit "ON"; Open-circuit "OFF"

The switch in the "ON" position figures respectively numerical value 1, 2, 4 and 8. The level got from the total of corresponding numerical value.

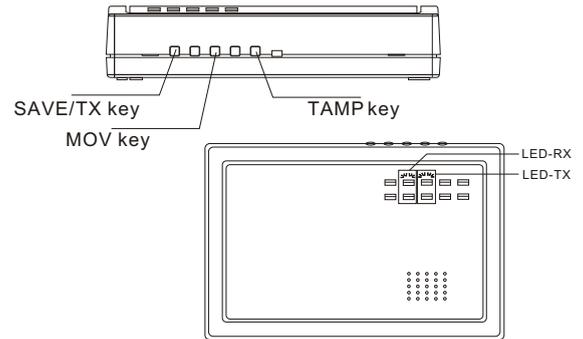
Ex. Below is 10 level



7. Operation for database exchange (open the cover for operation)

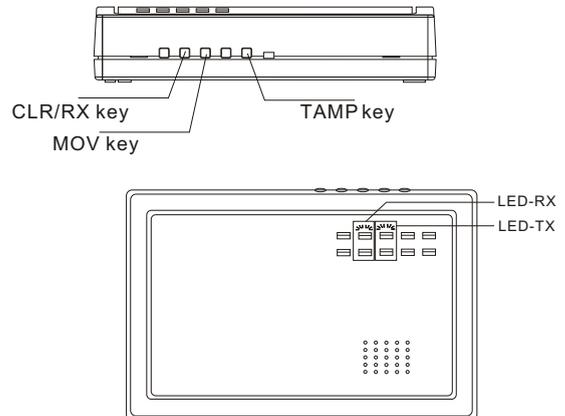
A. Export operation:

First press SAVE/TX and MOV key together and then touch TAMP key. The LED-RF and LED-FS will flash by turn; After they light all the while, undo the SAVE/TX and MOV key. Now the convertor enters into data export mode. At this time, LED-TX light all along and the LED-RF LED-FS flash alternately. For avoiding fault, it will cancel the operation when undo SAVE/TX or MOV key before LED-RF and LED-FS light synchronously all the while.



B. Import operation:

First press CLR/RX and MOV key together and then touch TAMP key. The LED-RF and LED-FS will flash by turn; After they light all the while, undo the CLR/RX and MOV key. Now the convertor enters into data import mode. At this time, LED-RX light all along and the LED-RF flash. For avoiding fault, it will cancel the operation when undo CLR/RX or MOV key before LED-RF and LED-FS light synchronously all the while.



C. When LED-RF and LED-FS flash alternately after they light 1sec., it means the data exchange is completed. Please touch TAMP key for exit.