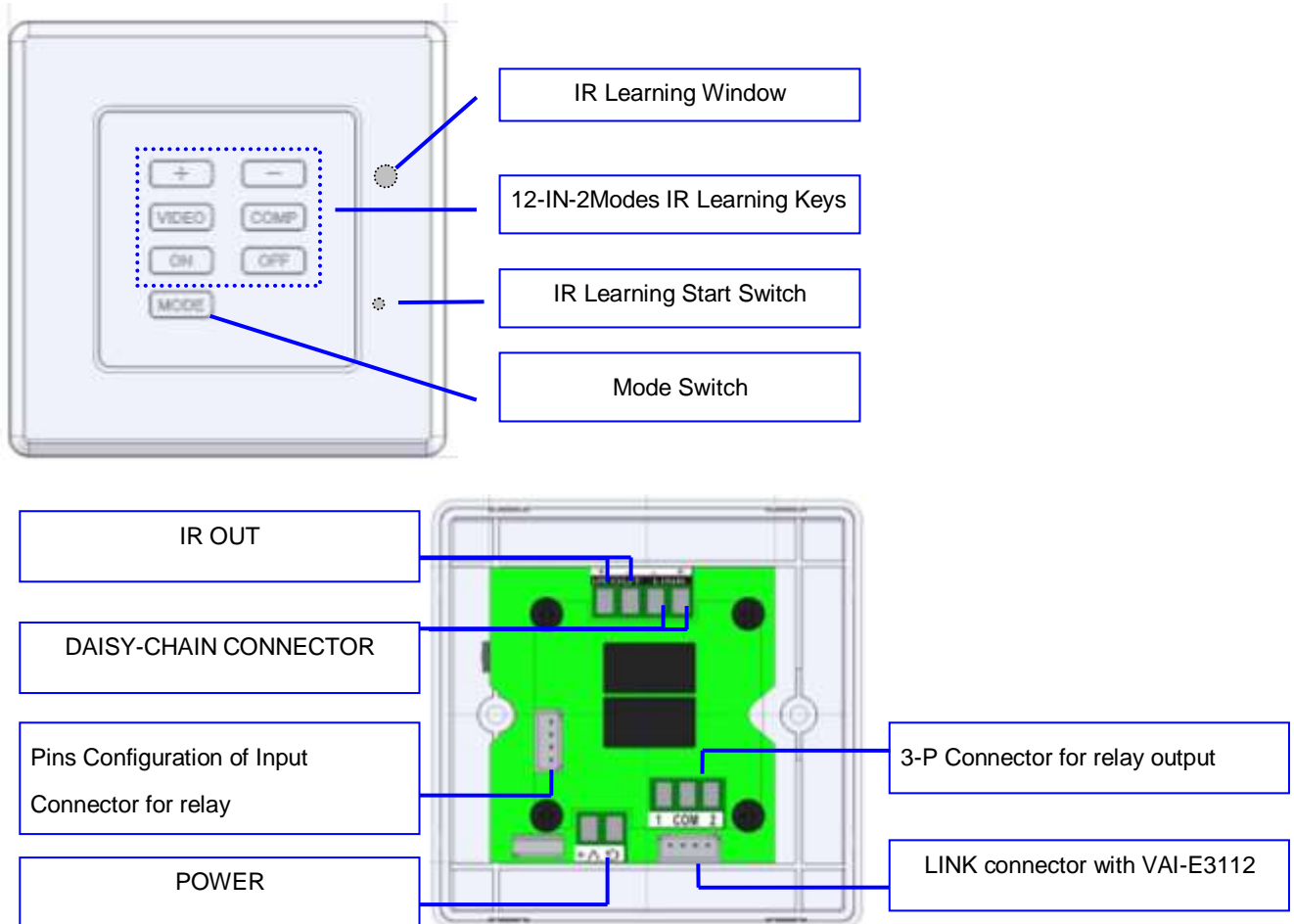


# LRK-E1201

## IR LEARNING KEYPADS

### INTRODUCTION

The unit of containing 6 learning keys plus 1 for mode switching can provide totally 12key-in-2mode IR code learning.



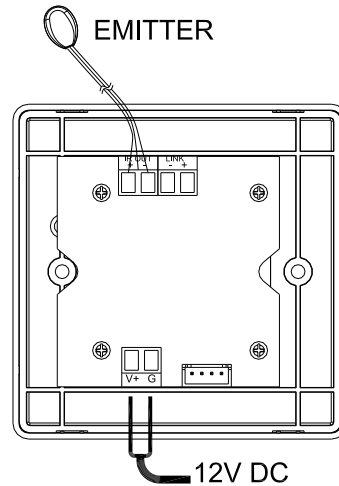
### Specification

- ◆**Power** : Connect a 12 VDC 500 mA power supply (not included) to the power connector over 2-p wiring.
- ◆**LINK with VAI-E3112** : 4-pin connector can provide quick connection with VAI-E3112.
- ◆**DAISY-CHAIN CONNECTIVITY**: This supports to link LRK-E1201 up to 9 units via 2-p screw connector accommodating cable 14-22 AWG with polarity + / -.
- ◆**IR OUT** : This 2-p screw connector supports the connection with an IR emitter such as IEC-0001E-05 with bare lead accommodating cable 14-22 AWG with polarity + / -.
- ◆**3-P CONNECTOR for RELAY OUTPUT** : Spec for Voltage Rating : 300VAC  
Spec for Current Rating : 8A
- ◆**Dimensions** : 86W x 86H x 42D mm
- ◆**Weight** : 90 g

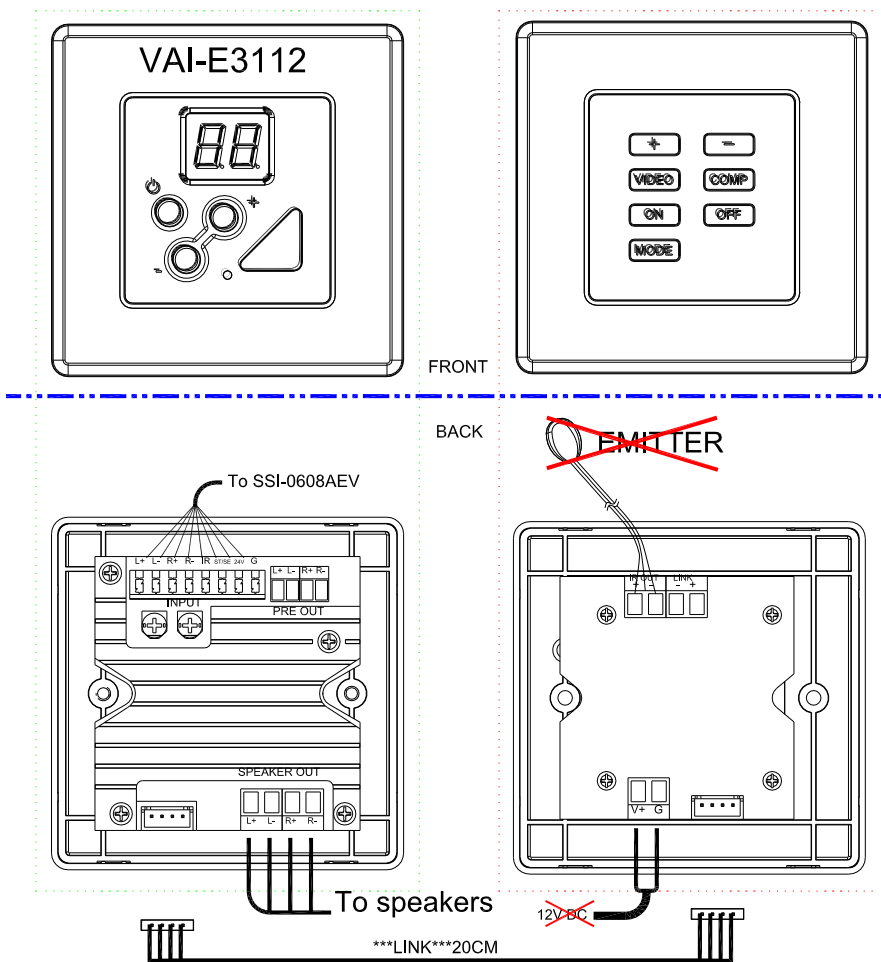
## APPLICATION ALONE WITH STRIPPED END TINNED EMITTER

While LRK-E1201 not being used along with our multi-room system such as VAI-E3112 but alone with emitter, Then 12V power will be required via 2-p connector as per figure right.

**Notes :** For installation friendly usually the emitter with stripped end tinned (bare lead) such as our model No: IEC-0001-05 will be required.



## APPLICATION WITH OUR MULTI-ROOM SYSTEM

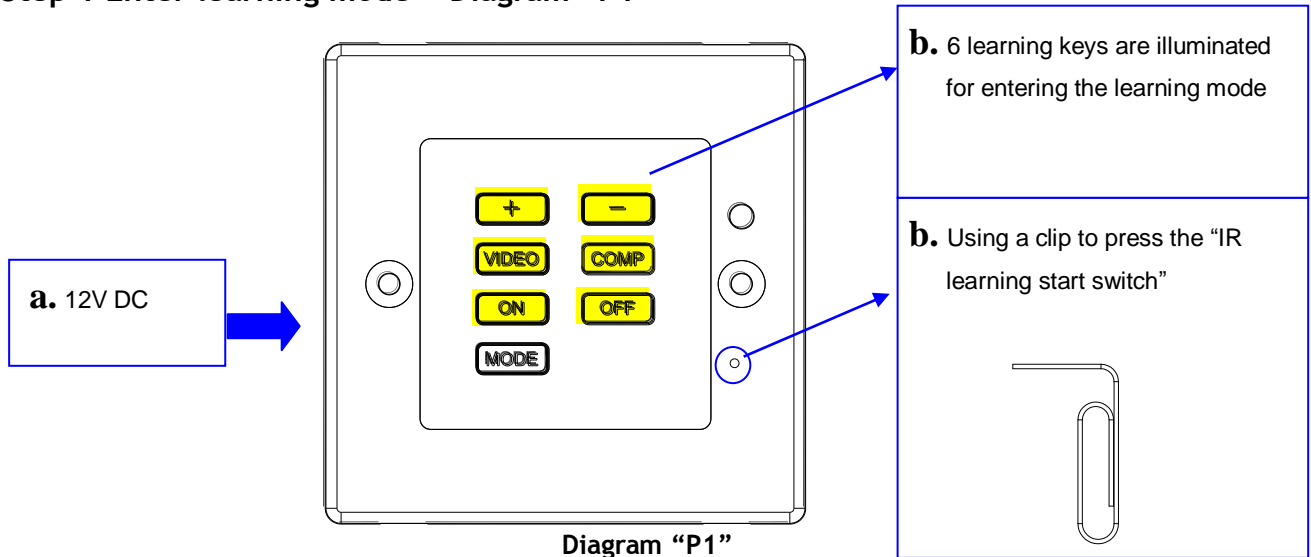


While you like to add this LRK-E1201 IR code learning keypads to be connected with our multi-room system through VAI-E3112 to the main controller SSI-0608AE, the only thing you need to do is just simply using the provided 20cm length of 28AWG 4PIN Pitch2.0 jack cable to connect LRK-E1201 to VAI-E3112 over the 4-pin connector as shown on above wiring diagram.

**Notes :** For this application, the installation of emitter and power will be supplied connected through the main controller SSI-0608AE.

## To learn a remote control

### Step 1 Enter learning mode + Diagram "P1"

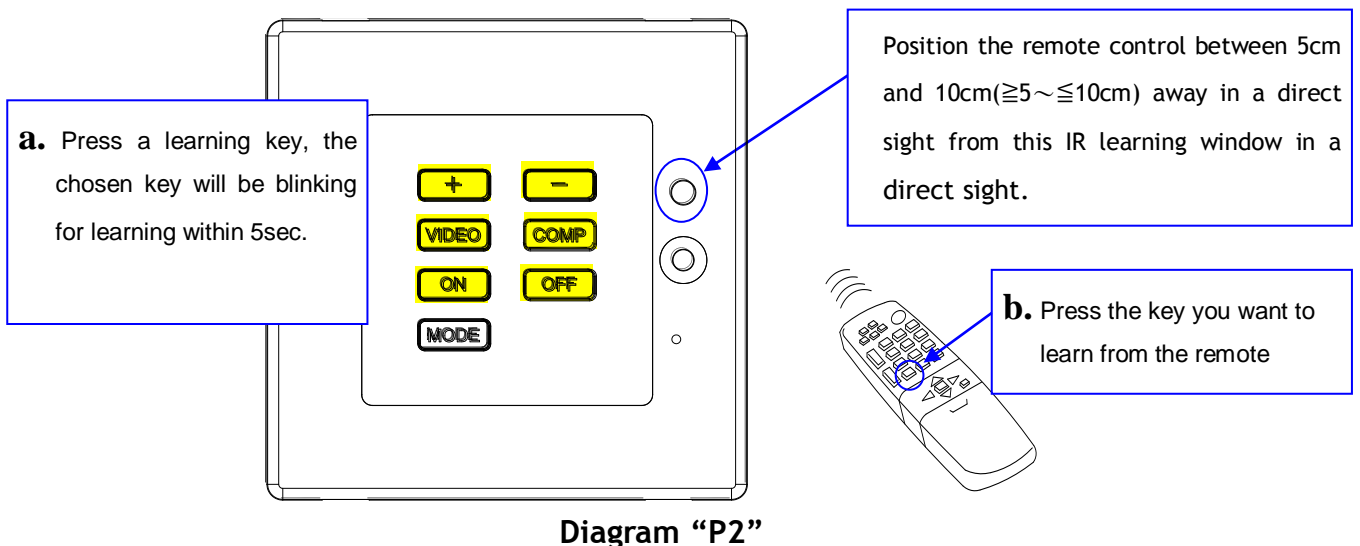


- Wire in power for system stand by.
- Using a clip to press the "IR learning start switch" and the LED backlights of 6 learning keys will be illuminated for system entering a learning mode.

#### Notes :

Remove the frame (outer plate) for finding the interfaces of IR learning window and IR learning start switch which are hidden behind at right corner.

### Step 2 Codes learning + Diagram "P2" / Diagram "P3"



- Press a learning key, the chosen key will be blinking for keeping 5second allowing the code learning (as described following) completed in this limited time. (Diagram "P2")
- Aiming the chosen learning key using the remote over pressing the key you want to learn from the remote which this operation is better positioned between 5cm and 10cm ( $\geq 5 \sim \leq 10$ cm) away from the IR learning window of LRK-E1201, the chosen learning key will turn to be illuminated steadily from blinking which means the code learning is completed. (Diagram "P2")

**Notes :**

\*Repeat a + b for completion of other keys learning. There are 6 learning keys in each mode and total 12 keys in two modes available in existing LRK-E1201.

\*Press “MODE” key to get into another 6 keys learning in the other mode under while the “mode” key illuminating and then repeating a + b of step 2 for completion of another 6keys learning.

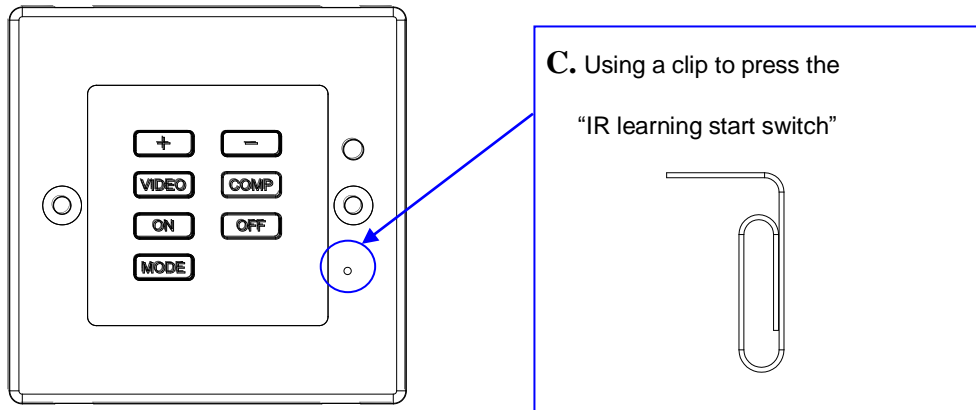


Diagram “P3”

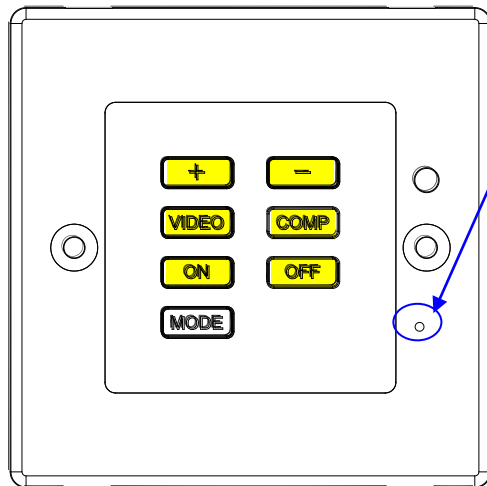
c. Until all desired learning being completed, using a clip to press again the “IR learning activation switch” for backing the normal operation. (Diagram “P3”)

**Notes :**

\*Keep the remote control between 5cm and 10cm( $\geq 5 \sim \leq 10$ cm) away from the IR learning window which is the recommended distance for securing a better learning.

\*The IR frequency bandwidth 0 ~100KHz in IR learning receiver is compatible for learning most AV devices in this IR bandwidth.

## To learn the specific codes ,EX: Philips / LG



a. Using a clip to press the "IR learning start switch"

Diagram "P4"

a. Using a clip to press the "IR learning start switch" and the LED backlights of 6 learning keys will be illuminated for system entering a learning mode. (Diagram "P4")

b. Using a clip to press the "IR learning start switch" for 2seconds.

Position the remote control between 5cm and 10cm ( $\geq 5 \sim \leq 10\text{cm}$ ) away from this IR learning window in a direct sight.

c. Press a learning key, the chosen key will be blinking for learning within 5sec.

d. Chosen the key you want to learn from the remote key.  
For a perfect learning, repeat C+D twice for each learning.

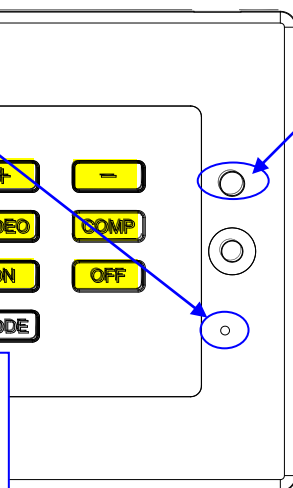


Diagram "P5"

b. Pressing again the "IR learning start switch" over using a clip for 2seconds, 6 learning keys will be blinking 3times and this will allow the unit for proceeding the specific Philip code learning as shown per above Diagram "P5".

### Notes:

While the specific Philips code learning being completed, the learning pattern can be retrieved back for "common code" also by pressing the "IR learning start switch" using a clip for 2seconds but the different is those 6learning keys will be blinking for two times only. So this is a simple principle that the 6learning keys blinking 3times is for Philips code learning and blinking 2times is for common code learning.

Follow the same operation doing for the regular codes as described on the previous step 2 a) & b), but ensure a perfect learning, repeat the operation of step 2 a)+b) twice for each code learning.

# ADDITIONAL FEATURES

## LINKING UNITS FOR IR LEARNING COPY:

Step 1:Wiring + Diagram “P6”

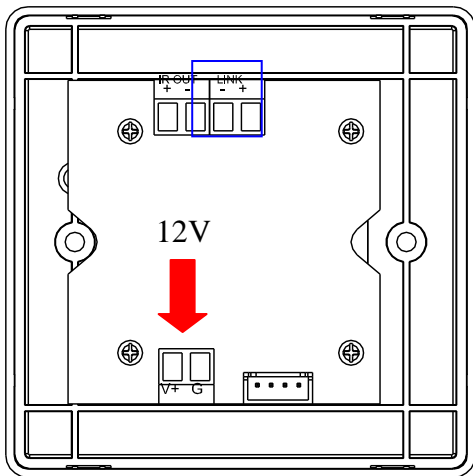


Diagram “P6”

- a. Wire in power for system stand by. (Diagram “P6”)
- b. Units linked via an UTP Cat5 or Cat6 with impedance 100Ω through +/- connector marked “LINK” at the rear can be extended up to 50M long between two units connection and totally can be linked up to 9 units. (Diagram “P7”)

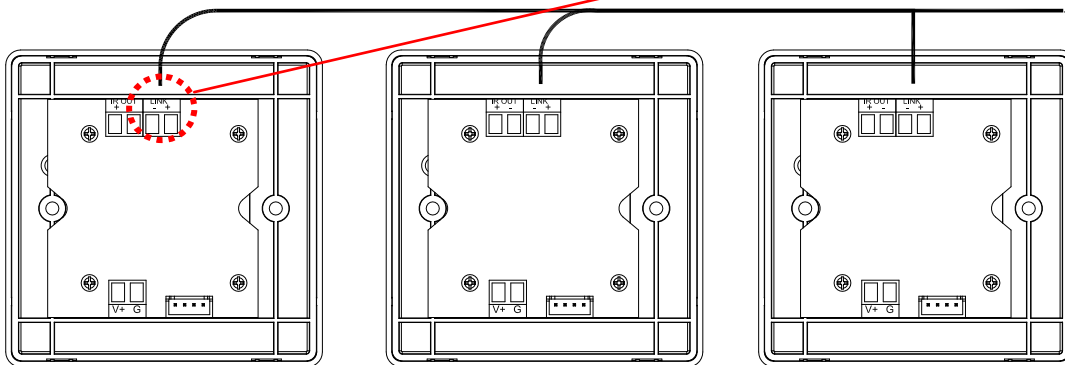
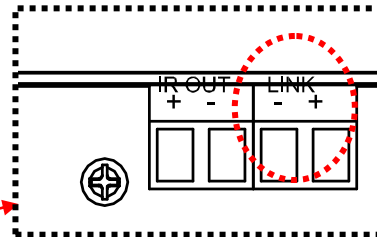
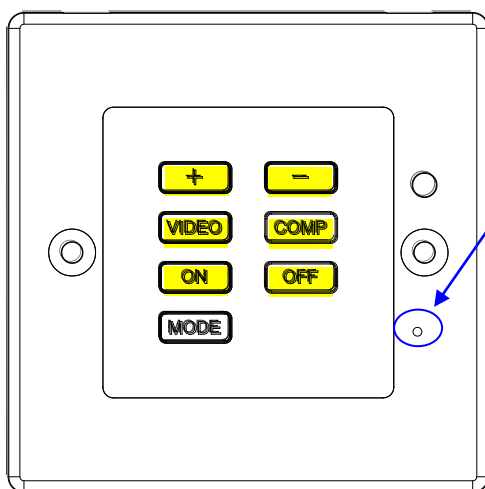


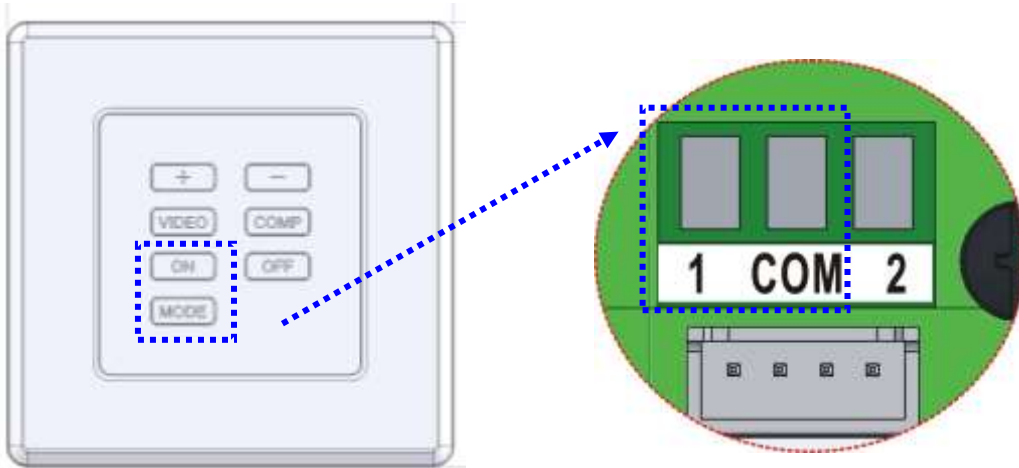
Diagram “P7”

- c. Pressing the “IR learning start switch” using a clip for 2seconds, those 6 learning keys on the sender unit will be illuminated but the ones from those 8 duplicates will keep blinking until all duplication being completed the blinking will be vanished.

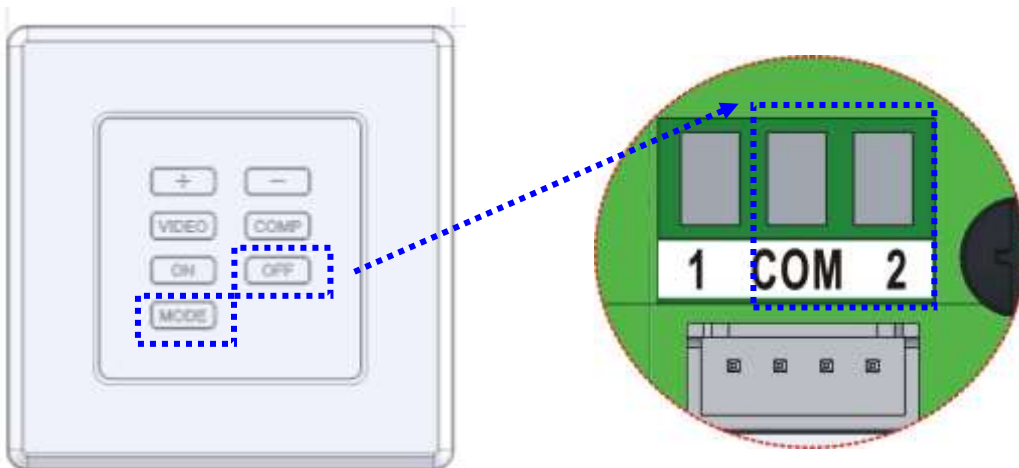


**C.** Press the “IR learning start switch” using a clip for 2seconds from the sender unit.

## About LRK-E1201 RELAY SWITCH FUNCTION



These 2-position(marked 1 & COM)connection will get short while pressing both keys of "MODE & ON" for 3 sec continuously , but COM & 2 will break.



These 2-position(marked 2 & COM)connection will get short while pressing both keys of "MODE & OFF" for 3 sec continuously , but COM & 1 will break.