# PLANO-V5/4CH

Control unit with dimmer function for single colour LEDs with voltage, 12-36 VDC, 4 output, max 3A for channel, max 5A total. RX radio 433.92 MHz.

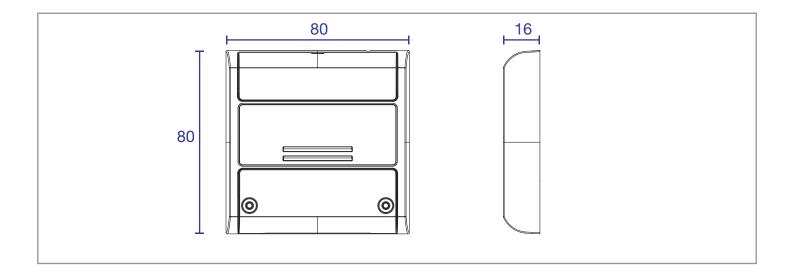




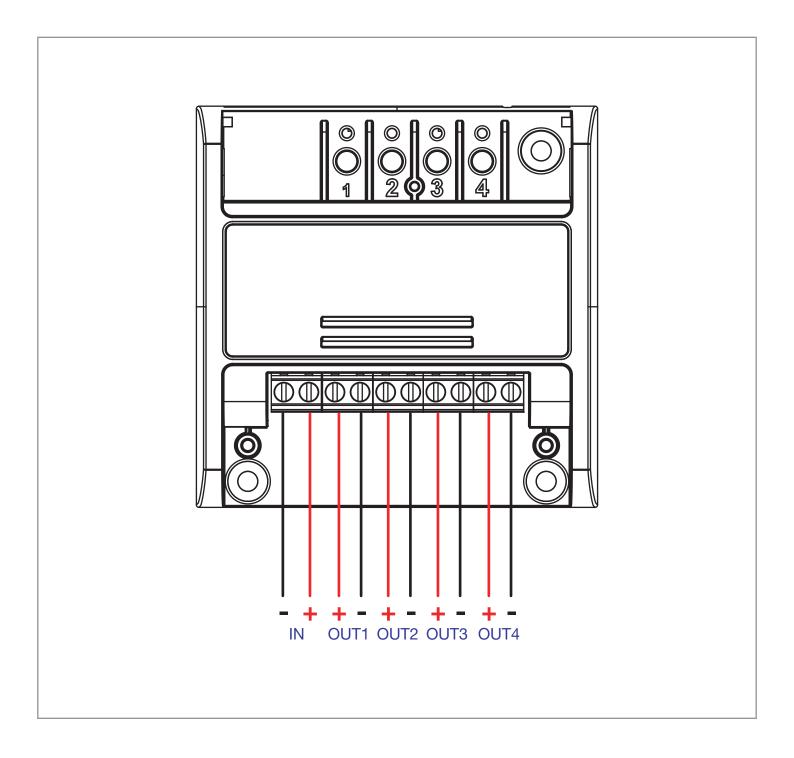
# 1 - PRODUCT FEATURES

# 1.1 TECHNICAL DATA

12-24 Vdc
Max 3A for channel.
Max load total 5 A:
Single colour LED with constant
voltage
25
433.920mhz ISM
IP20
-20 +55 °C
80x80x16 mm



# 2 - ELECTRICAL CONNECTIONS



### 3 - RADIO PROGRAMMING

This procedure lets you programme compatible multifunctional or generic transmitters.

### **MULTIFUNCTIONAL TRANSMITTERS CODES:**

HB70-SLCT, HB70-SPCT,

HB80-1C, HB80-1DIM, HB80-2L, HB80-30D, HB80-30RGBW, HB80-4C, HB80-4DIM, HB80-4L,

HB90-6LT,

**ROUND-1SP** 

SENSA-M, SENSA-P, SENSA-R35M, SENSA-R35P, SENSA-R35T, SENSA-T,

TOUCH-1, TOUCH-1CCT, TOUCH-1DIM, TOUCH-1SP, TOUCH-1L, TOUCH-1RGBW, TOUCH-3C, TOUCH-4DIM, TOUCH-CFU

With multifunctional transmitters the transmitter control modes depend on the model used.

Refer to the transmitter manual, to the paragraph entitled "commands sent by the transmitter", bearing in mind that it is an "dimmer" device.

### **GENERIC TRANSMITTERS (WIRELESS BUS) CODES:**

HB80-6G,

MCU-TX4,

TOUCH-1G, TOUCH-2G, TOUCH-4G, TOUCH-LOCK4, TOUCH-TX2,

**ROUND-1G** 

With generic transmitters, the transmitter's control modes are:

Short press= On/Off, Long Press= Dimmer Up/Down

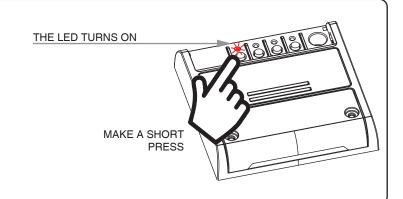
### **PROCEDURE**

### STEP 1

Press the button related to the output which the transmitter wants to be programmed.

The led turns on.

note: the example on the picture show how to program a transmitter on the output 1



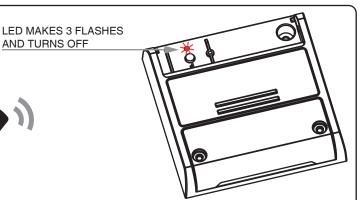
### STEP 2

Within 60 seconds make a transmission with the transmitter to be saved.

See transmitter manual, the paragraph entitled "transmitter programming" for specify information.

The led makes 3 flashes and turns off.

MAKE A TRANSMISSION WITH THE TRANSMITTER



NOTE: If you want to creare a transmitter that control more than one output simultaneously, repeat the procedure for each out that you want to control.

AND TURNS OFF

## 4 - DELETION OF RADIO

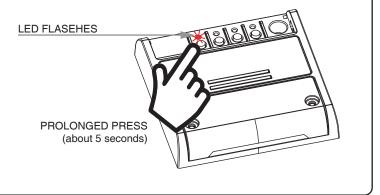
These procedures let you delete from the memory transmitters that have already been programmed.

### **PROCEDURE**

### STEP 1

Hold the button related to the output which you want to delete the transmitter down (about 8 seconds.) until the LED begins to flash.

note: the example on the picture show how to program a transmitter on the output 1



DELETION OF SINGLE TRANSMITTER

DELETION OF ALL TRANSMITTER SAVED

### STEP 2A

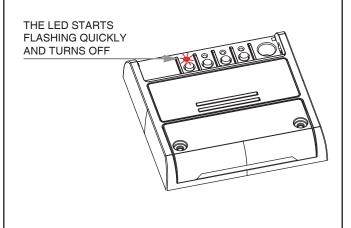
Within 10 seconds make a transmission with the transmitter that you want to delete.

The LED flashes quickly and turns off.

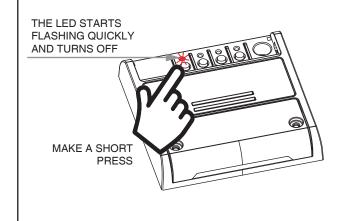
# STEP 2B

Within 10 seconds press the button on the receiver for a short time to confirm the delection of all transmitters.

The LED starts flashing quickly and turns off.







## 5 - SETTING THE TIMED ON

This process is used to set the time for which the Leds stays on before an automatic switch off.

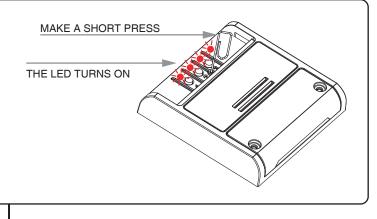
NOTE: don't use this process with HB70-SLCT, HB70-SPCT and TOUCH-1SP, the controller already has a procedure to setting the automatic switch off of the light.

### **PROCEDURE**

### STEP 1

With a paper clip makes a short press of the "hidden" button.

The led turns on.

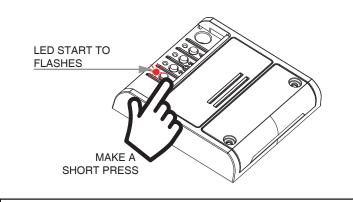


### STEP 2

Within 10 seconds makes a short press of button 1.

The led start to flashes.

Each flash corresponds to a different timing.

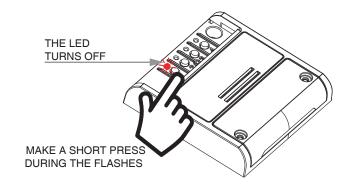


### STEP 3

Makes a short press of button 1 while it is flashing to end the count.

The led turns off

FLASHES	TIMED ON
1	1 minute
2	3 minutes
3	5 minutes
4	15 minutes
5	30 minutes
6	1 hour
7	18 hours
8	No timed on



# 6 - RESET OF THE CONTROL UNIT

This procedure let you take the control unit back to factory settings.

NOTE: even stored transmitters will be deleted

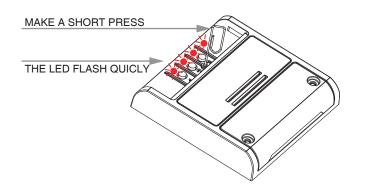
### **PROCEDURE**

# STEP 1 Hold the receiver button down (about 5 seconds.) until the LED begins to flash. LED FLASHES PROLONGED PRESS (about 5 seconds)

### STEP 2

Within 10 seconds, make a short press of "hidden" button.

The LED 1 flashes quickly and turns off.



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