DP-IR01

Occupancy Sensor Controller

【User Manual】

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1 Chapter 1 Introduction

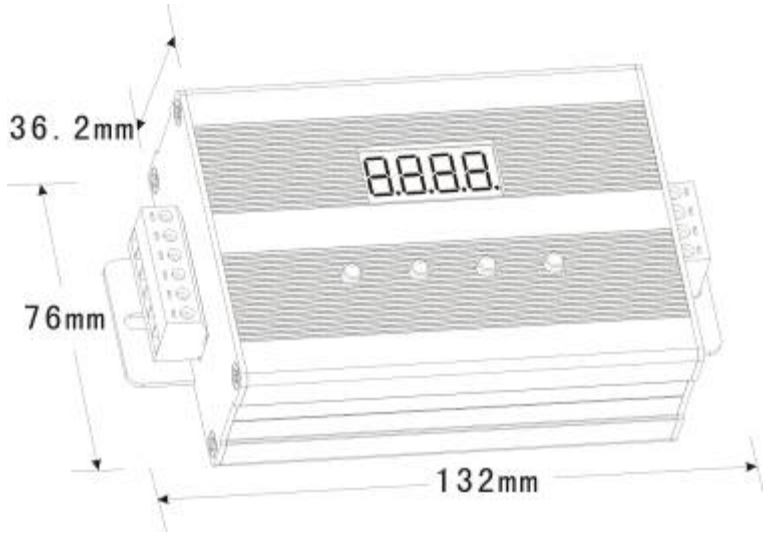
1-1 Features

- 4 channels. Can connect to 4 occupancy sensors.
- Each sensor has two modes: scene or channel mode.（In the channel mode, when the sensor's triggered, controller can switch on/off 15 channels together at one time)
- Can set the working period. (The sensor work only within this period.）
- The sensor can set the delay time. In scene mode, after a scene was call out it will automatically call out the off scene after delay time; in channel mode, after a channel was switch on, it will automatically switch the channel off after delay time.

1-2 Specifications

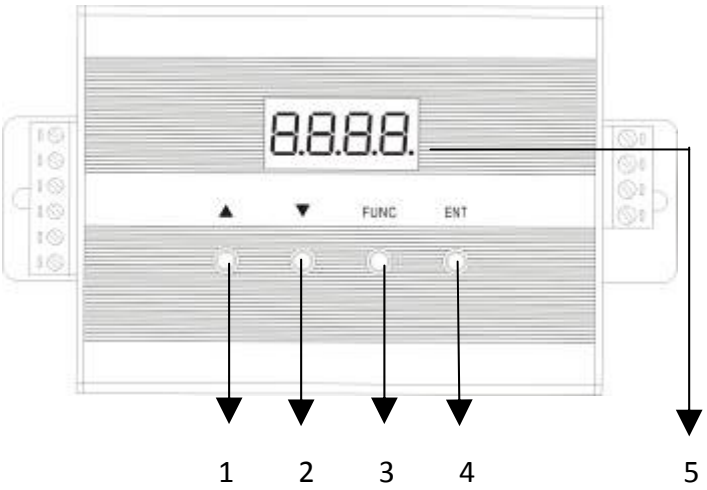
- Power supply：DC-12V
- Protocol :RS-485(EDX)
- EDX signal input connector:4PIN green terminal/phone jack
- EDX signal output connector :6PIN green terminal
- EDX signal output channel：4 channel for input sensors
- Dimension：132(W)*76(H)*36.2(D)mm
- Weight：220g

1-3 Dimension

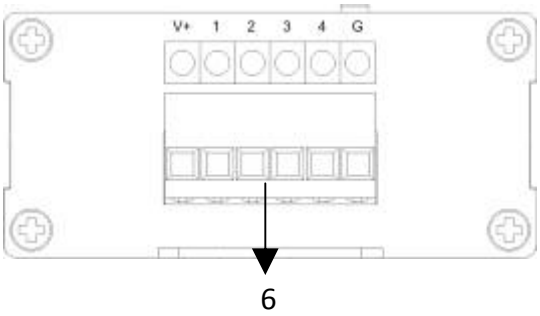


1-4 Description

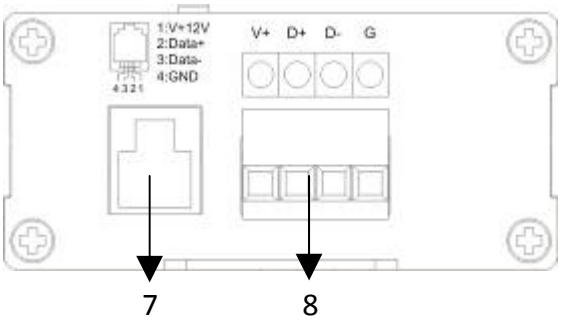
Front



Left



Right



1	Up button	5	LED display
2	Down button	6	Signal output (6 PIN green terminal)
3	Function button	7	Signal input(PHONE JACK)
4	Confirm button	8	Signal input (4 PIN green terminal)

2 Chapter 2 Operation

2-1 Memory initialization

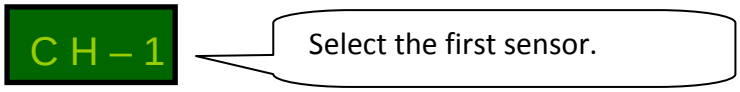
STEP1 Press【▲】and 【▼】at the same time to reset , LED will displays:

STEP2 Press【**ENT**】to finish it.

Press【**FUNC**】to cancel memory initialization and go back to main page.

2-2 Sensor selection

STEP1 Press【**FUNC**】and LED will display:



STEP2 Press【▲】or【▼】to select other sensors, LED will display:

For example, select the sensor no. 4.

Notice: This controller can connect four sensors and set each one separately.

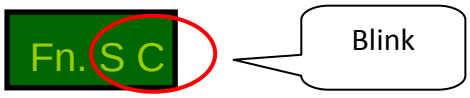
2-3 Channel/scene mode selection

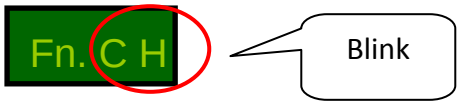
STEP1 Press【**FUNC**】and LED will display:

STEP2 Long hold【**ENT**】till LED displays the current mode:

or

STEP3 Press【**ENT**】 once again, and SC/CH will blink as below,





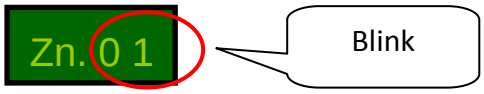
STEP4 Press【▲】 or【▼】to select the mode and press【**ENT**】to confirm.

2-4 Function setting in scene mode

2-4-1 ZONE setting

STEP1 After 2-3 sensor selection, press【▲】or【▼】till LED displays:

STEP2 Press【**ENT**】and LED will display,



STEP3 Press【▲】or 【▼】to select the zone.

STEP4 Press【**ENT**】to confirm the setting and LED will display：

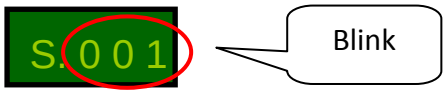
Notice：the maximal ZONE No. is 99.

2-4-2 Recall scene immediately

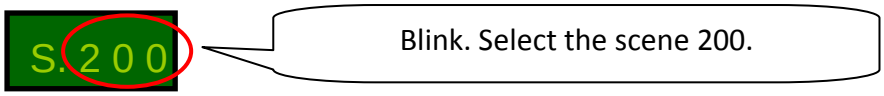
When the sensor's triggered, the controller will recall the corresponding scene or channel immediately.

STEP1 After 2-3 sensor selection, press【▲】or【▼】till LED displays,

STEP2 Press【**ENT**】and LED will display,



STEP3 Press【▲】or 【▼】to select the scene you want to recall.



STEP4 Press【**ENT**】to confirm the setting, LED will display,

Notice: it can recall up to 250 scenes and one OFF scene.

2-4-3 Recall scene after delay time

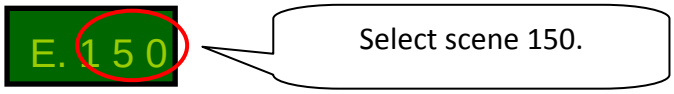
When the sensor is triggered, the controller will recall a scene or channel. After the delay time, it will recall another scene.

For example, when people go into a conference room, SC001 is triggered for welcome. After the delay time, SC002 is triggered for the meeting scene. However, in a corridor where people pass by without staying, SC001 is triggered for lighting up, SC002 can be an OFF scene for energy saving.

STEP1 After 2-3 sensor selection, press 【▲】or【▼】till LED displays:

STEP2 Press【**ENT**】and LED will display:

STEP3 Press【▲】or【▼】to select the scene you want to recall.

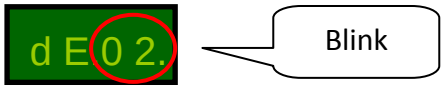


STEP4 Press【**ENT**】to confirm and LED will display:

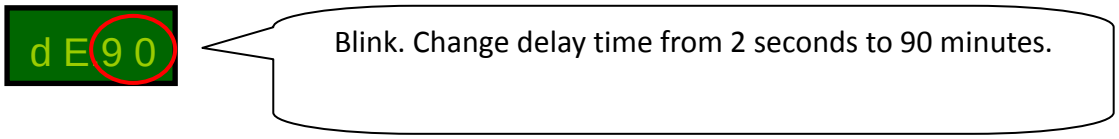
2-4-4 Delay time setting

STEP1 After 2-3 sensor selection, press【▲】or【▼】till LED displays:

STEP2 Press【**ENT**】 and LED will display,



STEP3 Press【▲】or 【▼】 to set the delay time.



STEP4 Press【**ENT**】to confirm.

Delay time setting instruction(the maximal delay time is 99 minutes)：

01. 02. 03. ----------58. 59.

It means：1 second 2 seconds 3 seconds-----58 seconds 59 seconds

01 02 03 04---------- 98 99

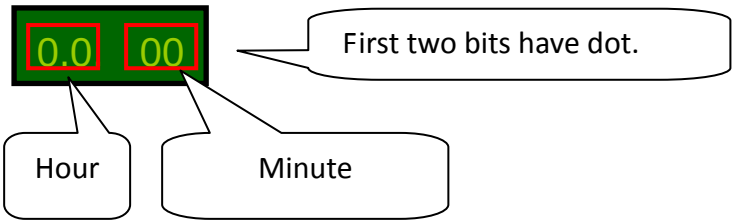
It means ： 1minute 2minutes 3minute 4minutes------ 98minutes

2-4-5 working period setting

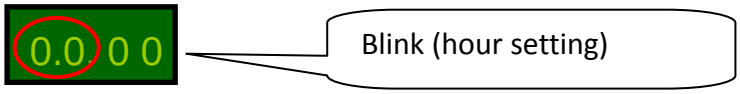
The controller can be set to recall scene or channel only in a specific period. (Except for the preset period, the controller will stop working)

2-4-5.1 Start time setting

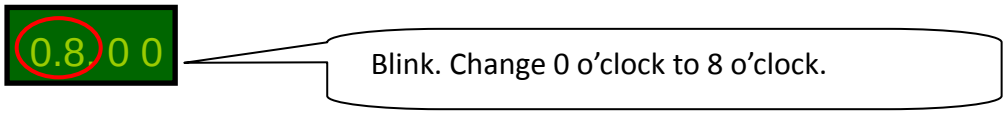
STEP1 After 2-3 sensor selection, press【▲】or【▼】till LED displays:



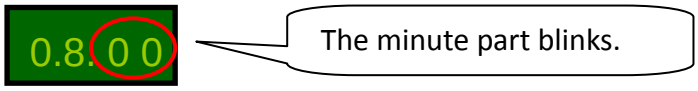
STEP2 Press【**ENT**】and LED will displays,



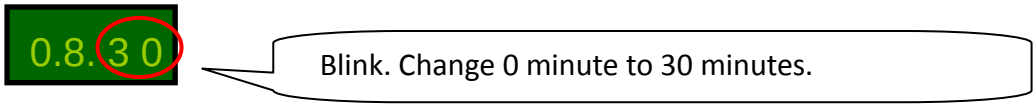
STEP3 Press【▲】or【▼】 to change the hour setting.



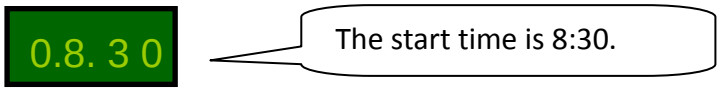
STEP4 Press【**ENT**】 once again and LED will display:



STEP5 Press【▲】or【▼】to change the minute setting.



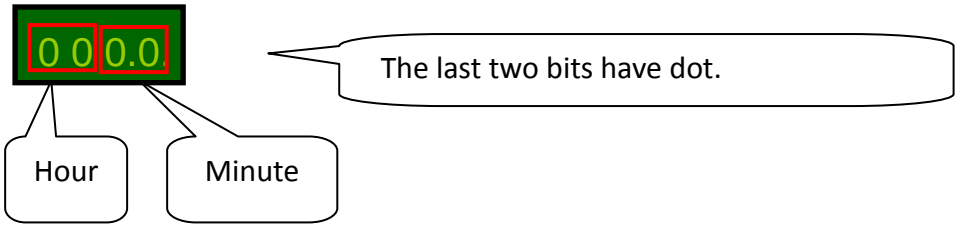
STEP6 Press【**ENT**】to confirm.



2-4-5.2 End time setting

Notice: the start time setting interface is different from end time setting's. The former one has dots in the first two digits; the later one has dots in the last two digits.

STEP1 After 2-3 sensor selection, press【▲】or【▼】till LED displays:



Please follow the same steps of start time setting (2-4-4.1) to finish the setting.

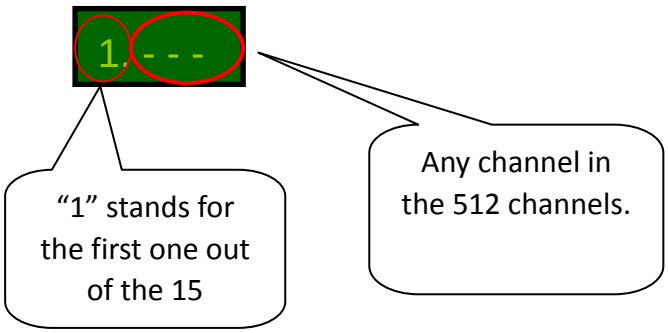
2-5 Function Setting in Channel Mode

In channel mode, when the sensor is triggered the controller will trigger corresponding channels. After the delay time, the channel will switch off automatically. The controller can switch on/off 15 channels out of 512 channels at most. (Each sensor can control up to 15 channels at one time.)

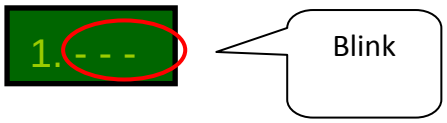
2-5-1 Channel Setting

STEP1 After 2-3 sensor selection and LED will display,

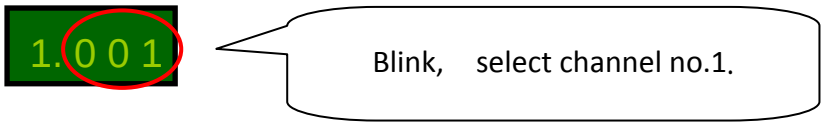
STEP2 Press 【▲】or 【▼】to enter function selection till LED displays,



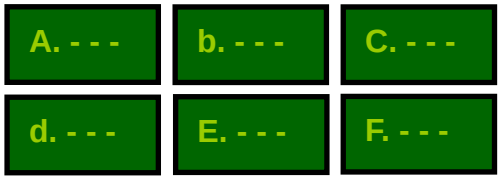
STEP3 Press【**ENT**】and LED will display,



STEP4 Press【▲】or【▼】to adjust the channel no. and LED will display,



NOTICE:



The first digit	Stand for…
1 ~ 9	CH 1 ~ CH 9
A	CH 10
b	CH 11
C	CH 12
d	CH 13
E	CH 14
F	CH 15

STEP5 Press【**ENT**】to confirm and LED will display,

It means channel no. 1's selected.

STEP6 Press【**DOWN**】to set next channel and LED will display,

Follow the process of STEP3 ~ STEP5 to set CH 3 to CH 15.

Please refer to the steps in scene mode to set ZONE, working period, and delay time in the channel mode

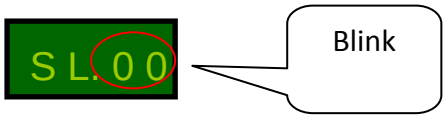
2-5-2 Channel 's SWITCH ON dimming value setting

In the channel mode, we can set the channels' SWITCH ON dimming value and the SWITCH OFF dimming value. The dimming value can be 0 to 100. When the sensor is triggered, the channels will output the SWITCH ON dimming value; after the delay time, the channels will output the SWITCH OFF dimming value. For example, the SWITCH ON/OFF dimming value is 90/20, so when the sensor is triggered, the channels' dimming value will be 90; after the delay time, it will become 20.

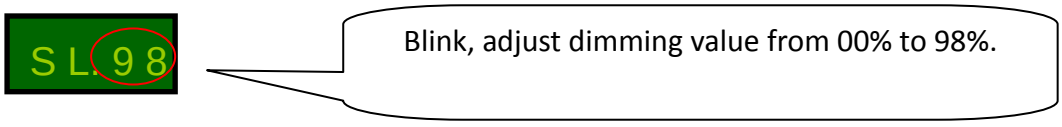
STEP1 After 2-3 channel mode selection, press 【▲】or【▼】till LED display,

Channel's SWITCH ON dimming value

STEP2 Press【**ENT**】and LED will display,



STEP3 Press【▲】or【▼】to adjust the dimming value and LED will display,



STEP4 Press【**ENT**】to save.

2-5-3 Channel 's SWITCH OFF dimming value

STEP1 After 2-3 channel mode selection, press【▲】or【▼】 till LED display,

Channel's SWITCH OFF dimming value

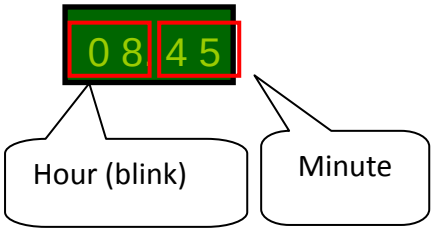
To adjust the dimming value, please refer to STEP2 ~ STEP4 on 2-5-1.

2-6 System time setting

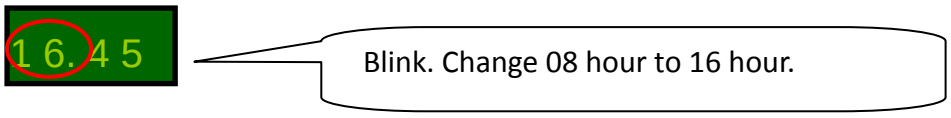
STEP1 Press【**FUNC**】and LED will display:

STEP2 Press【▲】or【▼】 till LED displays:

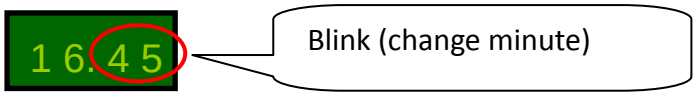
STEP3 Press【**ENT**】check current system time and LED will display:



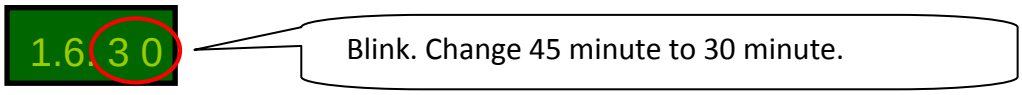
STEP4 Press【▲】or【▼】to change the hour and LED will display:



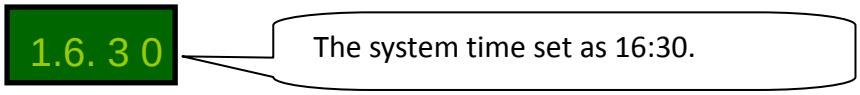
STEP5 Press【**ENT**】to confirm and then change the minute .LED will display:



STEP6 Press【▲】or【▼】to change minute.



STEP7 Press【**ENT**】to confirm.



2-7 Display the sensor on work

Sensor Status: When a channel or scene is recalled, LED will display which sensor is triggered.

(It means the first sensor is on work.)

(It means the first and third sensor is on work.)