

DP-IR03

Programmable Switch Controller

【User Manual】



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Chapter 1 Introduction

1-1 Feature

- 8 channels. Can connect to 8 dry contacts.
- Each dry contact has two modes: scene or channel mode.
- Can set dry contact's working period. (The dry contact works only within this period.)
- Can set dry contact's delay time. In scene mode, after a scene was call out it will automatically call out another scene or the OFF scene after delay time; in channel mode, after a channel was switch on, it will automatically switch on another channel or switch the channel off after delay time.

1-2 Specification

- Power supply: DC-12V 200mA(supply by EDX 4PIN green terminal)
- Protocol:RS-485
- Signal input connector :4 PIN green terminal /PHONE JACK
- Signal output connector:18PIN green terminal
- Signal output channel: 8 channels
- Dimension: 100(W)*76(H)*35 (D)mm
- Weight: 220g

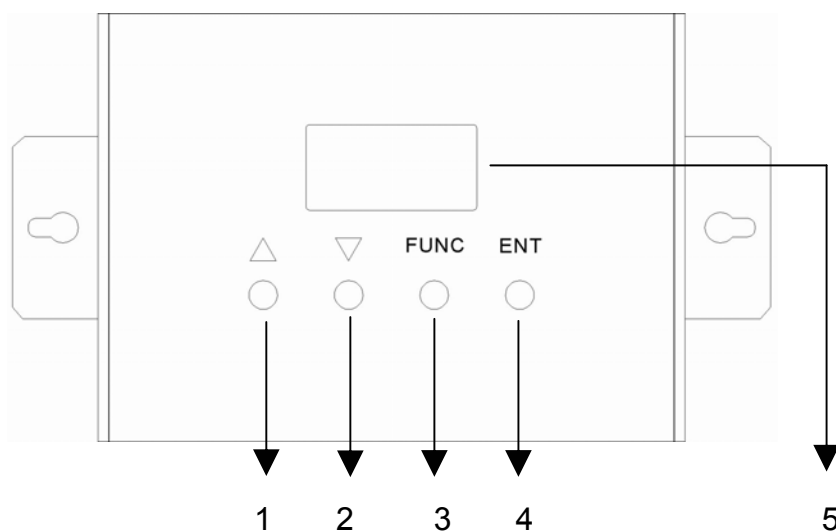
1-3 Dimension



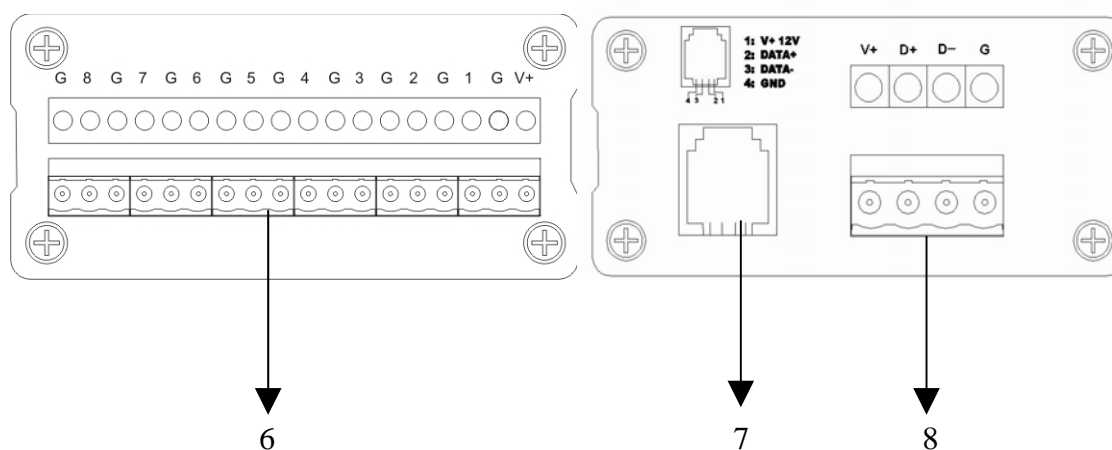
100(W)*76(H)*35(D)mm

1-4 Description

Front Panel

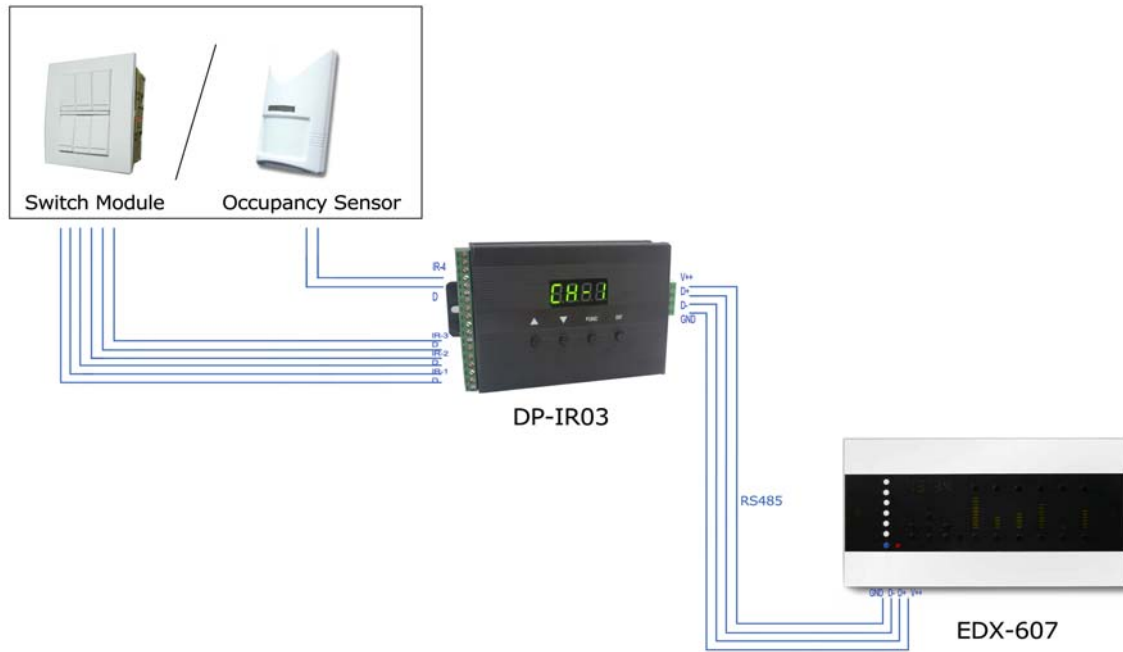


Flank Panel



1	Up button	5	LED display
2	Down button	6	Dry contact input (18 PIN green terminal)
3	Function button	7	Signal input(PHONE JACK)
4	Confirm button	8	Signal input (4 PIN green terminal)

1-5 System Diagram



Chapter 2 Operation

2-1 Memory Initialization

STEP1 Press **【▲】** and **【▼】** at the same time to reset the device, LED will display,

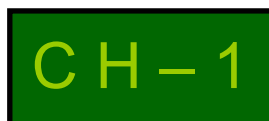


STEP2 Press **【ENT】** to finish it.

STEP3 Press **【FUNC】** to cancel memory initialization and go back to main page.

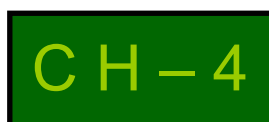
2-2 Dry Contact Selection

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



Select the first dry contact.

STEP2 Press **【▲】** or **【▼】** to select other dry contacts and LED will display:

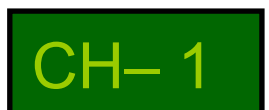


For example, select the dry contact no. 4.

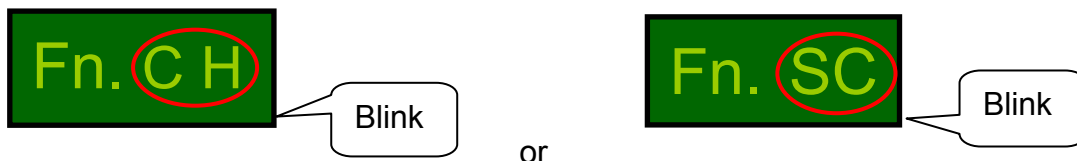
Notice: This controller can connect eight dry contacts and set each one separately.

2-3 Channel/Scene Mode Selection

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



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

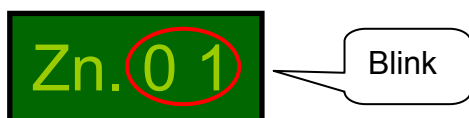


STEP3 Press **【▲】** or **【▼】** to select the mode and then press **【ENT】** to confirm.

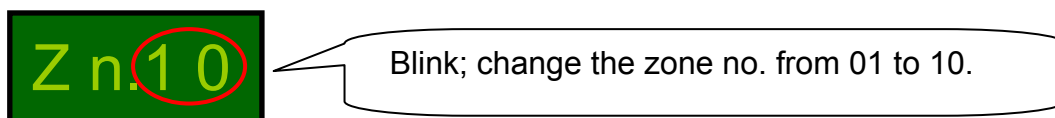
2-4 Function Setting in Scene Mode

2-4-1 ZONE Setting

STEP1 After dry contact selection, press **【ENT】** twice till LED displays,



STEP2 Press **【▲】** or **【▼】** to modify the zone no.



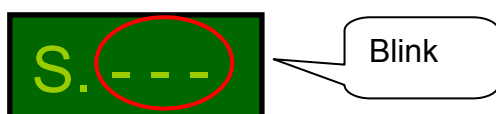
STEP3 Press **【ENT】** to confirm.

Notice: The maximal ZONE No. is 99.

2-4-2 Recall Scene Immediately

When the trigger signal inputs, the controller will recall the corresponding scene or channel immediately.

STEP1 After dry contact selection, press **【ENT】** 3 times till LED displays,



STEP2 Press **【▲】** or **【▼】** to select the scene you want to recall.



Blink. Select the scene 200.

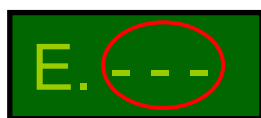
STEP3 Press **【ENT】** to confirm the setting.

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

2-4-3 Recall Scene after Delay Time

When the trigger inputs, the controller will recall a scene or channel. After the delay time, it will recall another scene or the OFF scene (it can set up to 250 scenes and one OFF scene) ; it will switch on another channel or switch the channel off.

STEP1 After dry contact selection, press **【ENT】** 4 times till LED displays,



Blink

STEP2 Press **【▲】** or **【▼】** to select the scene you want to recall after the delay time.

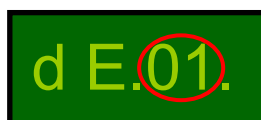


Blink, select scene 150.

STEP3 Press **【ENT】** to confirm.

2-4-4 Delay Time Setting

STEP1 After dry contact selection, press **【ENT】** 5 times till LED displays,



Blink

STEP2 Press **【▲】** or **【▼】** to modify the time.



Blink; change the delay time from 1 second to 90 minutes.

STEP3 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 ----- 98 99

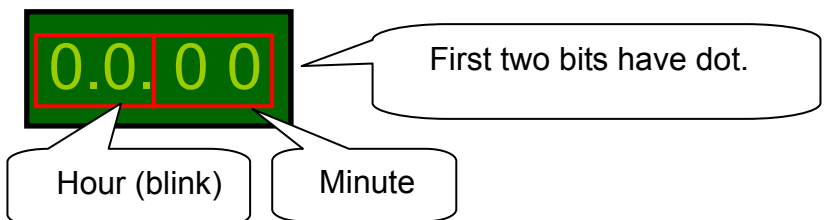
It means : 1minute 2minutes 3minute ----- 98minutes 99minutes

2-4-5 Working Period Setting

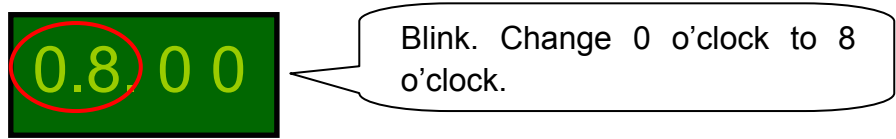
The controller can be set to recall scene or channel only in a specific period.
(Except for the preset period, the controller will stop working)

2-4-5.1 Star Time Setting

STEP1 After dry contact selection, press **【ENT】** 6 times till LED displays,

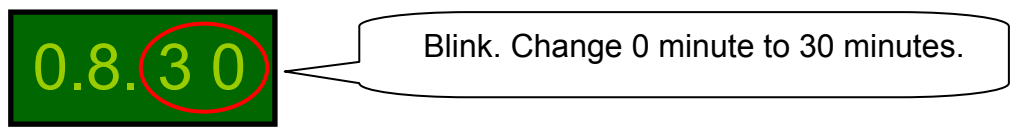


STEP2 Press **【▲】** or **【▼】** to modify the hour .



STEP3 Press **【ENT】** shift to minute setting

STEP4 Press **【▲】** or **【▼】** to modify the minute.

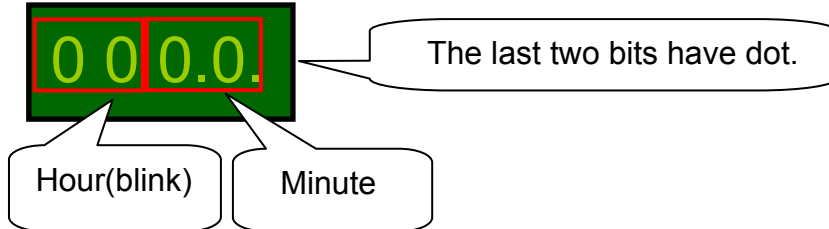


STEP5 Press **【ENT】** to confirm.

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 dry contact selection, press **【ENT】** 7 times till LED displays,



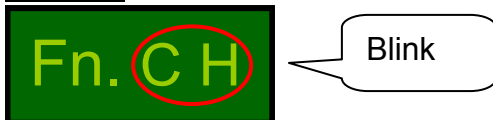
Please follow the same steps of start time setting (2-4-5-1) to finish the setting.

2-5 Function Setting in Channel Mode

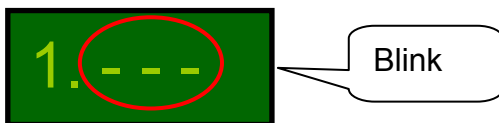
2-5-1 Channel Setting

In channel mode, when the trigger signals inputs, the controller will switch on corresponding channels. After the delay time, it will recall another channel or switch off the channel automatically. Each dry contact can control up to 15 channels at most out of the 100 channels of the EDX controllers.

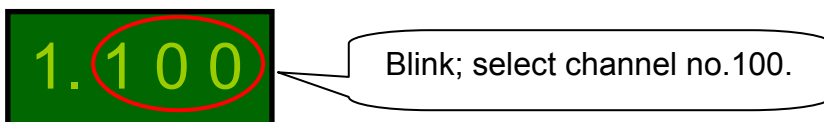
STEP1 After channel mode selection and LED will display,



STEP2 Press **【ENT】** to enter the setting till Led displays,



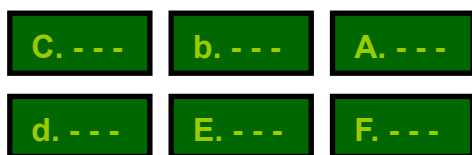
STEP3 Press **【▲】** or **【▼】** to adjust the channel no. and LED will display,



STEP4 Press **【ENT】** to confirm.

STEP5 Press **【ENT】** to select from channel 1 to 15 ; these 15 channels can select from channel 0 to 100.

LED will display these 15 channels as below,



Number	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

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. They can be one channel or several channels (the maximal channel no. is 15) and the dimming value can be 0 to 100. When the trigger signal inputs, the channel will output the SWITCH ON dimming value; after the delay time, the channels will output the SWITCH OFF dimming value.

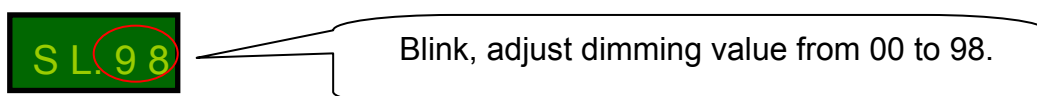
For example,

The SWITCH ON/OFF dimming value of one channel is 90/20, so when the trigger signal inputs, the channel's dimming value will be 90; after the delay time, it will become 20.

STEP1 After channel mode selection, press **【▲】** or **【▼】** till LED display,



STEP2 Press **【▲】** or **【▼】** to adjust the dimming value and LED will display,



STEP3 Press **【ENT】** to save.

2-5-3 Channel 's SWITCH OFF Dimming Value

STEP1 After channel mode selection, press **【▲】** or **【▼】** till LED display,



→ Channel's SWITCH OFF dimming value

STEP2 Press **【▲】** or **【▼】** to adjust the dimming value and LED will display,

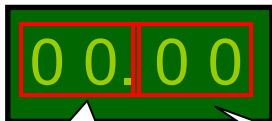


Blink, adjust dimming value from 00 to 60

STEP3 Press **【ENT】** to confirm.

2-6 System Time Setting

STEP1 Long hold **【FUNC】** for 5 seconds and LED will display,



Hour(blink)

Minute

STEP2 Press **【▲】** or **【▼】** to modify the hour setting and LED will display,



Blink ; change 00 o'clock to 16 o'clock.

STEP3 Press **【ENT】** to confirm and shift to minute setting, LED will display,



Blink (minute setting)

STEP4 Press **【▲】** or **【▼】** to modify the minute setting.

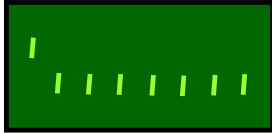


Blink; change 00 minute to 30 minute.

STEP5 Press **【ENT】** to confirm the setting.

2-7 Display the Dry Contact on Work

Dry contact status: When a channel or scene is recalled, LED will display which dry contact is triggered.



(It means the first dry contact is on work.)



(It means the first, second and third dry contacts are on work.)

Guarantee

Lite-Puter promises to fulfill the following acceptances:

1. Lite-Puter is only responsible for DP-IR03 itself.
2. Lite-Puter guarantees to keep Lite-Puter's fault products caused by techniques, materials and any other logical reasons in good repair for free within a year since the distributing date.
3. We do not offer door-visiting service. If the trouble appears in Lite-Puter's products, please deliver the equipment to local distributors or Taipei headquarter.

*** Special Statement***

Any fault caused by false usage, imprudence (collision or inadequate installation) or force majeure factors are not in Lite-Puter's service.

Revision Record

Version	Record
A	First version

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