

# DP-S8

## 8CH Programmable Switch Controller

### 【User Manual】



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## Chapter 1 Introduction

### 1-1 Feature

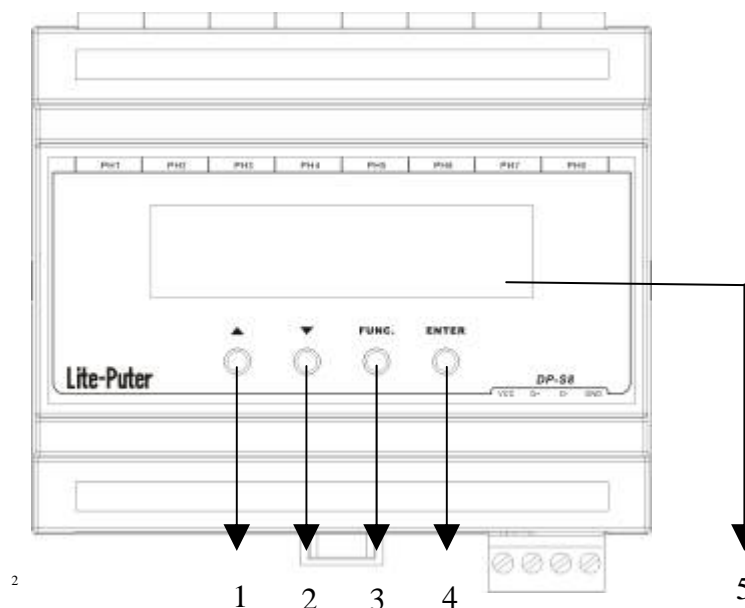
- Can connect to 8 dry contacts. (8 channels)
- Each dry contact has two modes: scene or channel mode.
- Each dry contact can set the working period.
- Each channel had several trigger modes.

### 1-2 Specification

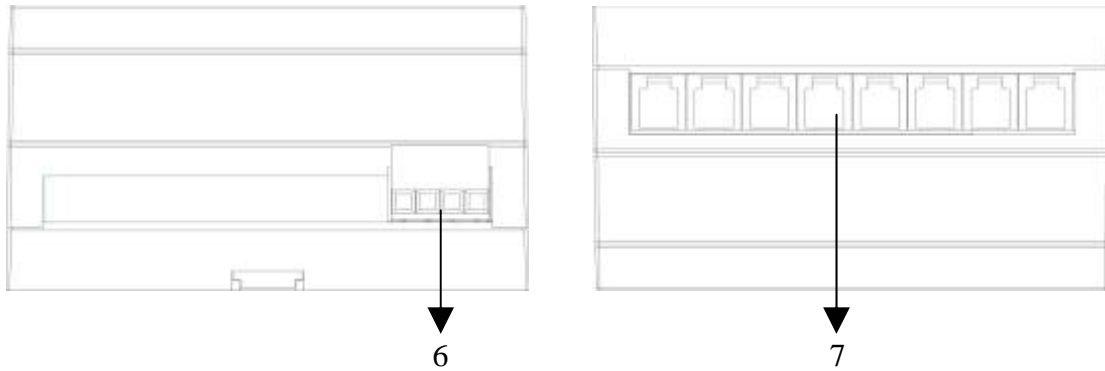
- Power Supply : DC-12V 200mA( supply by EDX 4PIN green terminal)
- Protocol: RS-485
- Signal Input Connector:4PIN green terminal/PHONE JACK
- Input Channel : 8 channel
- Dimension : 105\*100\*59mm (W)\*(H)\*(D)
- Installation : 35mm track
- Weight : 200g

### 1-3 Function

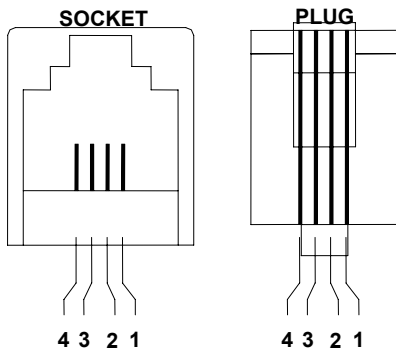
Front



Flank



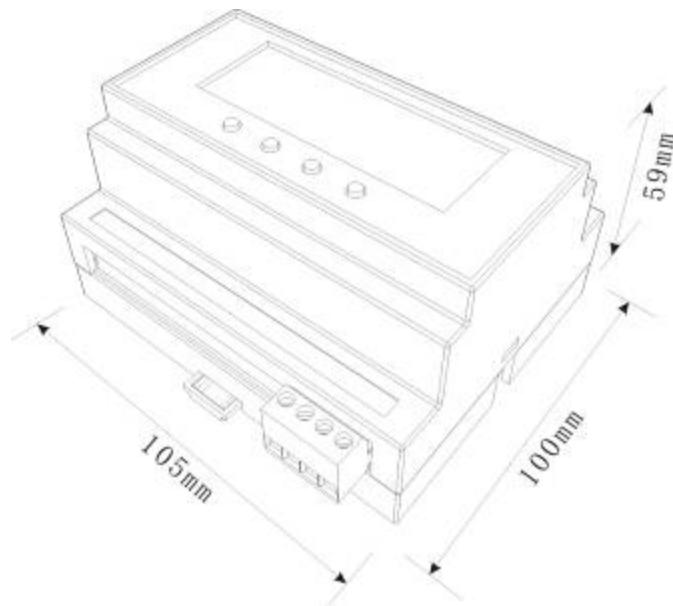
Dry Contact Wiring



**DP-S8**  
**Dry Contact terminal**  
**instruction:**  
**PIN 1:** NC  
**PIN 2:** output  
**PIN 3:** input  
**PIN 4:** GND

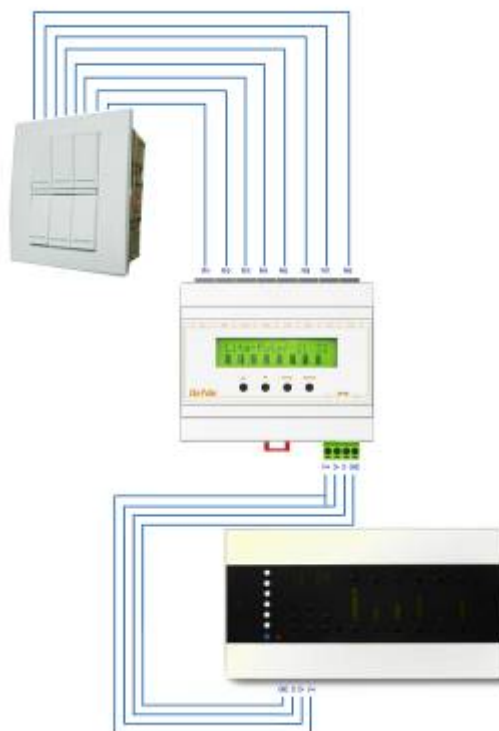
1	Up button	5	LCD screen
2	Down button	6	4 PIN green terminal (EDX)
3	Function button	7	4P4C dry contact input
4	Confirm button		

**1-4 Dimension**



Dimension: 105\*100\*59mm (W\*H\*D)

**1-5 System wiring**



## Chapter 2 Operation

### 2-1 Memory Initialization

**STEP1** Press **【▲】** and **【▼】** at the same time to reset the controller (connect with EDX 4 Pin green terminal) and LCD will display,



**STEP2** Press **【ENT】** to finish and go back to function page .

### 2-2 Dry Contact Selection

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



Select the 1<sup>st</sup> dry contact and SW1 blinks.

**STEP2** Press **【▲】** or **【▼】** to select other dry contacts. For example, select the 4<sup>th</sup> dry contact and LCD will display,



Select the 4<sup>th</sup> dry contact and SW4 blinks.

Notice: The controller can work with 8 dry contacts and set each one separately.

**【SW1】** - **【SW8】** stand for dry contact from 1 to 8.

After dry contact selection, please continue with the steps in 2-3.

### 2-3 Channel/scene mode selection

When the trigger signal inputs, the controller will recall the corresponding scenes or channels.

**STEP1** After selection in 2-2, press **【ENT】** to enter channel or scene mode selection and LCD will display,



**STEP2** Press **【▲】** or **【▼】** to select channel or scene mode and press **【ENT】** to confirm.

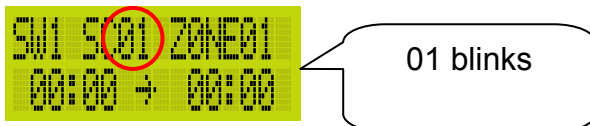


If select scene mode, please go to 2-4-1 to continue;  
if select channel mode, please go to 2-5 to continue.

## 2-4 Function setting in scene mode

### 2-4-1 Recall scene setting

**STEP1** In scene mode, press **【ENT】** to enter recall scene setting (SC01) and LCD will display,

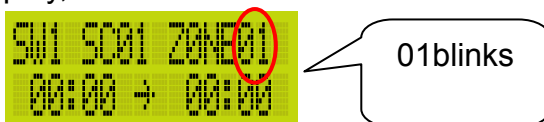


**STEP2** Press **【▲】** or **【▼】** to select the scene need to recall.

Notice: It can recall 99 scenes and 1 off scene at most.

### 2-4-2 ZONE Setting

**STEP1** After 2-4-1's setting, press **【ENT】** to enter ZONE setting(ZONE 01) and LCD will display,



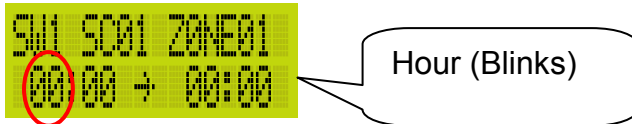
**STEP2** Press **【▲】** or **【▼】** to select ZONE. Press **【ENT】** to enter 2-4-3 working period setting.

Notice : It can set up to 99 ZONE.

### 2-4-3 Working period setting

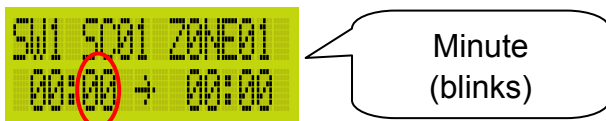
Working Period: The controller can receive the trigger signal to recall the corresponding scenes or channel only in a specific period. (Except for the preset period, the controller will stop working. )

**STEP1** After 2-4-2 zone setting, press **【ENT】** to enter working period setting. The hour of start time on the LCD will blink,



**STEP2** Press **【▲】** or **【▼】** to adjust hour.

**STEP3** Press **【ENT】** to shift to the minute setting, and LCD will display,



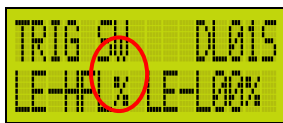
**STEP4** Press **【▲】** or **【▼】** to adjust minute, press **【ENT】** to shift to end time setting.

**STEP5** Press **【▲】** or **【▼】** to adjust hour of end time, press **【ENT】** to shift to minute.

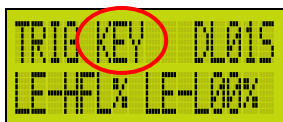
**STEP5** Press **【▲】** or **【▼】** to adjust minute of end time, press **【ENT】** to finish the working period setting.

### 2-4-4 Trigger mode select

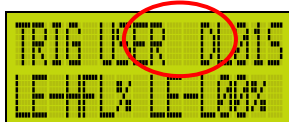
**STEP1** After work period setting, press **【ENT】** to select switch mode till LCD display,



**STEP2** Press **【▲】** or **【▼】** to select key mode till LCD display,



**STEP3** Press **【▲】** or **【▼】** to enter user definition mode till LCD display,



The user definition modes include:

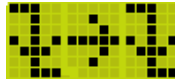
- (1) falling edge (2) rising edge (3) rising and falling edge (4) falling edge to rising edge



(USER1)



(USER2)



(USER3)



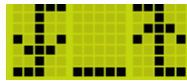
(USER4)

- (5) rising edge to falling edge



(USER5)

- (6) edge



(USER6)

**Notice:** Falling edge is electrical level change from high to low; rising edge is electrical level change from low to high.

For example, falling edge to rising edge is last falling edge recall one scene/channel and next falling edge recall another scene/channel ; edge is both falling edge and rising edge will recall one scene/channel , after the delay time, it will recall another scene/channel.

### 2-4-5 Delay time setting

**STEP1** After trigger mode selection, press **【ENT】** to enter delay time setting

(DL 01S) and LCD displays,



01S blinks

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

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

01. 02. 03. 04.-----58. 59.

It means : 1second, 2 second, 3 second, 4 second ----58 second, 59 second

01 02 03 04-----98 99

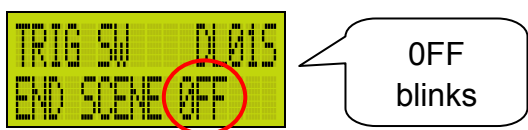
It means : 0.1 second, 0.2 second, 0.3 second, 0.4 second ----- 98 minute, 99 minute

### 2-4-6 Scene recall after delay time

When the trigger signal inputs, the controller will recall the scenes or channels, after the delay time, it will recall another scene. (Can set 99 scenes, one OFF scene, one ESC scene and one NC scene)

**STEP1** After delay time setting, press **【ENT】** to set the scene you want to recall

after the delay time till LCD displays,



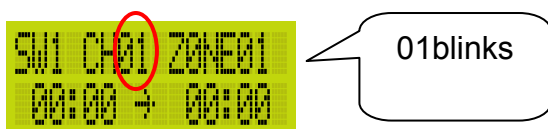
**STEP2** Press **【▲】** or **【▼】** to select the scene and press **【ENT】** to confirm.

The function setting in scene mode is over; next it's setting in channel mode.

## 2-5 Function setting in channel mode

In channel mode, when trigger signal inputs, the controller will recall corresponding channel. After the delay time, the channel will turn off automatically. (Can set up to 99 channels)

**STEP1** After 2-3 channel mode selection, press **【ENT】** to enter channel setting and LCD display,

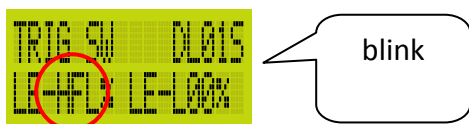


**STEP2** Press **【▲】** to **【▼】** select the channel and press **【ENT】** to confirm.

The setting of Zone, working period, trigger mode and delay time in channel mode is same with those in scene mode. Please refer to 2-4-25 to 2-4-6.

### 2-5-1 Dimming value setting

**STEP1** In channel mode, press **【ENT】** till LCD display,



**STEP2** Press **【▲】** or **【▼】** to adjust the dimming value and press **【ENT】** to set the dimming value of the channel you want to recall after the delay time.

## 2-6 System time

**STEP1** Hold **【FUNC】** for 5 seconds to enter system time setting and LCD will

display,



**STEP2** Press **【▲】** or **【▼】** to adjust the value and press **【ENT】** shift to next item.

Press **【▲】** or **【▼】** again to adjust the value to set “year, month, day, week, hour, minute and second”.

## 2-7 Display the contact on work

The equipment can monitor the working status of the 8 dry contacts. (This page will come out automatically short time after operation)



(1<sup>st</sup> contact is on work)



(1<sup>st</sup>, 2<sup>nd</sup> and 3<sup>rd</sup> contacts are on work)

## Guarantee

Lite-Puter promises to fulfill the following acceptances:

1. Lite-Puter is only responsible for DP-S8 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
D	Add more description to 2-4-4
E	Add ESC scene to 2-4-6

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