

DP-S8

8CH Programmable Switch Controller

【User Manual】



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1. Introduction

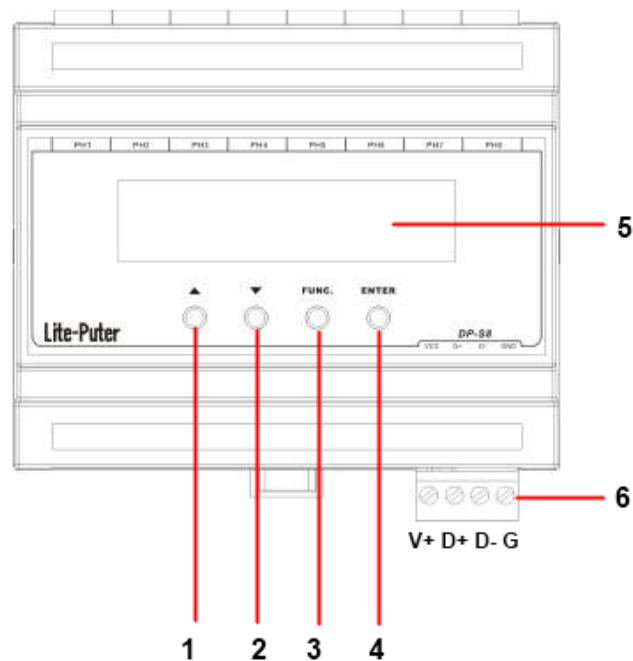
1-1 Features

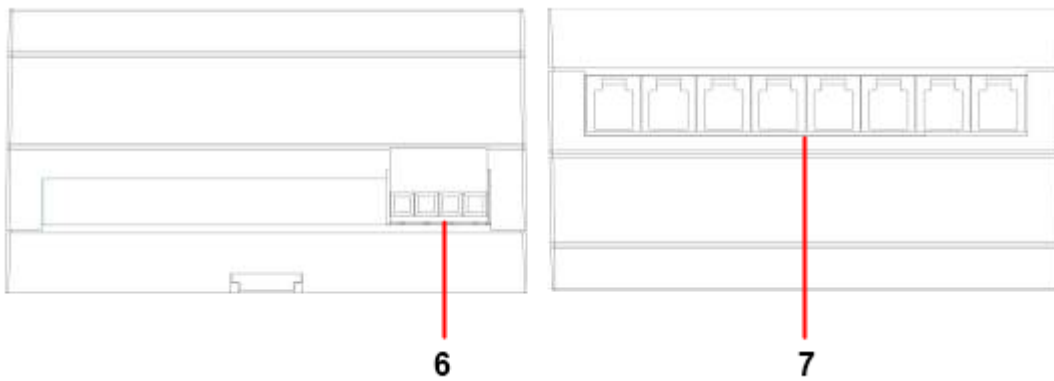
1. Convert external input signal to EDX signal.
2. 8 dry contacts.
3. Scene and channel modes.
4. Each dry contact can set the working period.

1-2 Specifications

1. Power Supply : DC-12V, 200mA
2. Protocol: EDX (RS-485)
3. Input Channel : 8 channel
4. Dimension : 105 (W) x 100(H) x 59 (D)mm
5. Installation : 35mm din rail
6. Weight : 200g

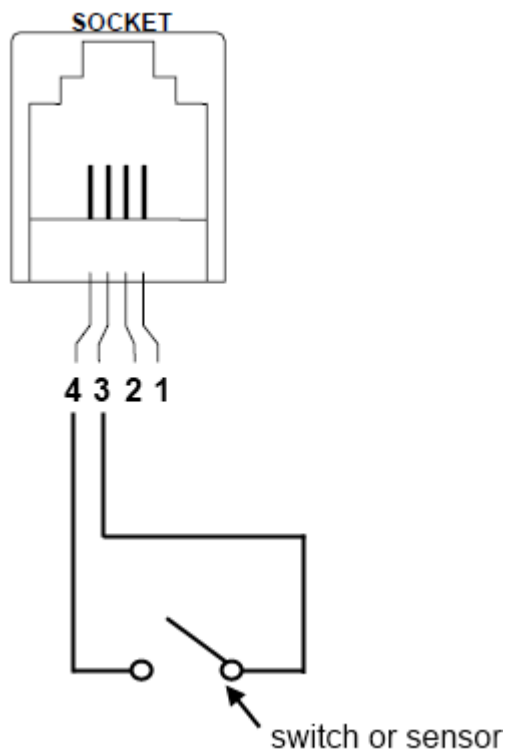
1-3 Functions





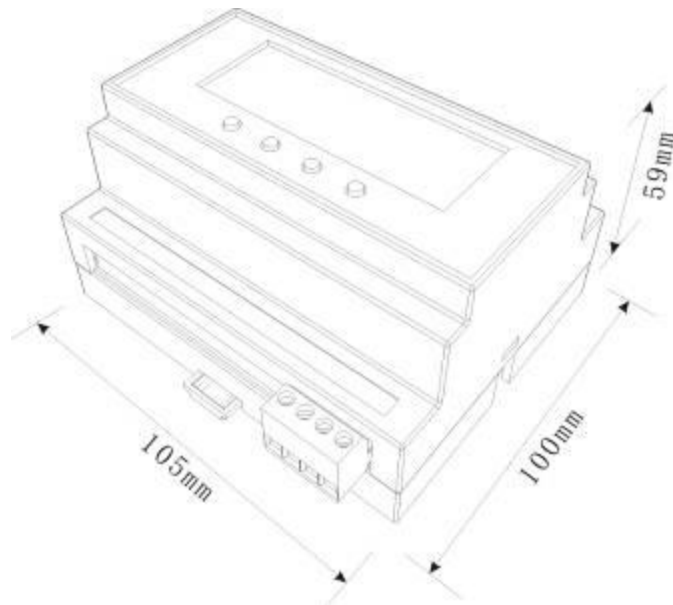
1	Up button	5	LCD screen
2	Down button	6	4 PIN green terminal (EDX)
3	Function button	7	4P4C dry contact input
4	Confirm button		

Dry Contact Wiring

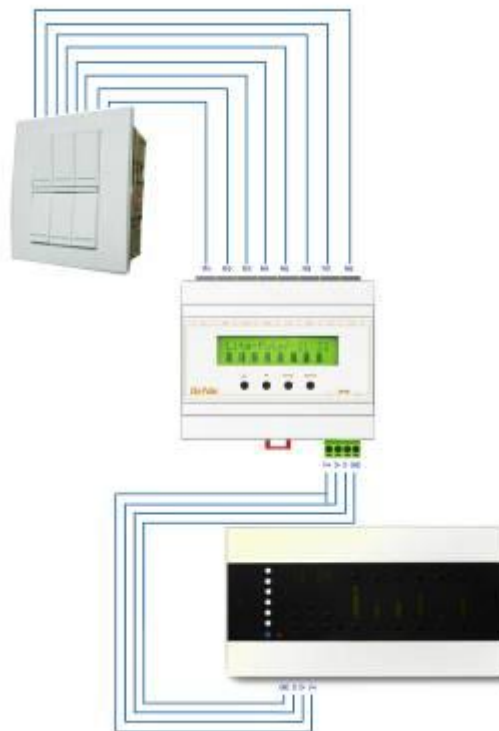


- PIN 1: NC
- PIN 2: output (5V+)
- PIN 3: input
- PIN 4: GND

1-4 Dimensions



1-5 System wiring



2. Operations

2-1 Initialization

1. Hold **【▲】** and **【▼】** simultaneously , and then turn on the power of DP-S8.

INETIAL ING MEN!
WAIT ING

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

2-2 Dry Contact Selection

1. Press **【FUNC】** and LCD shows:

SW1 SD01 ZONE01
00:00 → 00:00

It shows that 1st dry contact is selected.

2. Press **【▲】** or **【▼】** to select other dry contacts. For example, select the 4th dry contact and LCD shows:

SW4 SD01 ZONE01
00:00 → 00:00

【SW1】 - 【SW8】 stand for dry contact (channel) from 1 to 8.

After selecting the dry contact port, please refer 2-3.

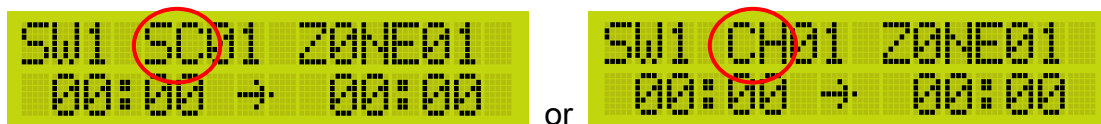
2-3 Channel/Scene Mode

When the dry contact input is triggered by external input signal, DP-S8 will send a corresponding EDX signal . (recall scene or channel)

1. After selecting a dry contact number, press **【ENT】** to enter channel or scene mode selection and LCD will display,



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



If select scene mode, please refer 2-4-1 .

if select channel mode, please refer 2-5.

2-4 Settings of Scene Mode

In scene mode, DP-S8 will recall corresponding scene by external triggering signal.

2-4-1 Recall scene setting

1. In scene mode, press **【ENT】** to enter recall scene setting (SC01) and LCD shows:



2. Press **【▲】** or **【▼】** to select a scene.

2-4-2 Zone Setting

1. After 2-4-1, press **【ENT】** to enter zone setting and LCD shows:



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

2-4-3 Working Period

Working Period:

DP-S8 can receive the trigger signal to recall the corresponding scenes or channel only in a specific period.

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



SW1 SC01 ZONE01
00:00 → 00:00

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

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



SW1 SC01 ZONE01
00:00 → 00:00

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

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

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

To make a channel enabled for 24 hours, set start time as “00:00” and set end time as “23:59”.

2-4-4 Trigger mode select

1. After work period setting, press **【ENT】** to select “switch mode”



2. Press **【▲】** or **【▼】** to select “key mode”



3. Press **【▲】** or **【▼】** to enter “user defined mode” till LCD shows:

Switch/Key Mode:

In switch mode, "the ending scene" will be recalled after the triggering signal is off.

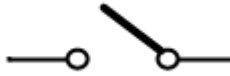
In key mode, "the ending scene" will be recalled after triggering signal is turning on again.

About "the ending scene", please refer 2-4-6.

The ending scene will be recalled after the specific period (delay time). Please refer 2-4-5.

Switch Mode:

1. Disabled



2. Enable the switch, recall a scene

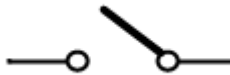


3. Disable the switch, the ending scene will be recalled after the preset delay time.



Key Mode:

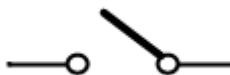
1. Disabled



2. Enable the key, recall a scene



3. Disable the key, nothing changed.



4. Enable it again, the ending scene will be recalled after the preset delay time.



Example 1:

Switch Mode to recall scene 1.

The ending scene: scene off.

Delay time: 5 seconds.

When you turn on the switch button, DP-S8 will send a signal (scene 1) immediately.

If you turn off the switch, DP-S8 will send “scene off” after 5 seconds.

Example 2:

Key Mode to recall scene 1.

The ending scene: scene off.

Delay time: 5 seconds.

When you press the key button, DP-S8 will send a signal (scene 1) immediately.

If you press again, DP-S8 will send “scene off” after 5 seconds.

The user definition modes include:

(1) falling edge (2) rising edge (3) failing to falling edge (4) falling to rising edge



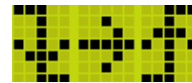
(USER1)



(USER2)



(USER3)



(USER4)

(5) rising edge to falling edge (6) edge



(USER5)



(USER6)

(1) **Falling edge:**

The starting scene is recalled by a high to low signal. The ending scene is recalled after delay time.

(2) **Rising edge:**

The starting scene is recalled by a low to high signal. The ending scene is recalled after delay time.

(3) **Failing to failing edge:**

The starting scene is recalled by a high to low signal. The ending scene is recalled by another high to low signal.

(4) *Failing edge to rising edge:*

The starting scene is recalled by a high to low signal. The ending scene is recalled by a following low to high signal.

(5) *Rising to failing edge:*

The starting scene is recalled by a low to high signal. The ending scene is recalled by a following high to low signal.

(6) *Edge :*

The starting scene is recalled by both “high to low” or “low to high” signals, and the ending scene is recalled after delay time.

2-4-5 Delay time setting

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

(DL 01S) and LCD shows:

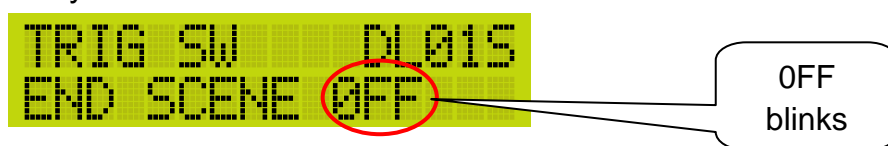


2. Press **【▲】** or **【▼】** to adjust the delay time.

2-4-6 The Ending Scene

The ending scene will be recalled after the specific period (delay time).

1. After delay time setting, press **【ENT】** to set the scene you want to recall after the delay time till LCD shows:



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

* **SCENE ESC:** It means that after delay time, it will cancel the starting scene. “SCENE ESC” only works for overlapped scenes in EDX systems.

* **SCENE NC:** It means doing nothing.

2-5 Settings of Channel Mode

In channel mode, DP-S8 will set the dimming level of a corresponding channel.

1. After 2-3, press **【ENT】** to enter channel setting and LCD display,



2. Press **【▲】** to **【▼】** select a 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 2-4-5 to 2-4-6.

2-5-1 Dimming value setting

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



2. 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 Clock

1. Hold **【FUNC】** for 5 seconds to enter system time setting and LCD will display,



2. 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 Enabled Channels

On main screen, it shows the enabled channels by alphabetic number.

Example 1:



Only channel 1 is enabled.

Example 2:



Channel 1, 2, 3 are enabled.

Limited Warranty

1. Lite-Puter is only responsible for the product itself.
2. Lite-Puter guarantees to keep Lite-Puter's from manufacturing defects within a year since the distributing date.
3. Lite-Puter does not offer on-site service. If the defects appears
In Lite-Puter's product, please deliver the product to local distributors or to Taipei headquarters.
4. The warranty does not cover:
 - a. Any fault caused by false usage, imprudence (collision, inadequate installation or adjustment, insufficient ventilation, or improper repairs)
 - b. Force majeure factors (*flooding, earthquake, thunder, volcanic eruption, tsunami or other factors beyond Lite-Puter control*).
 - c. The cost of installing, reinstalling, adjusting, repairing, or reprogramming the product.
 - d. Other products or devices which are offered by Lite-Puter or not by Lite-Puter.
5. Lite-Puter does not warrant the product will operate without interruption or being free of error.

Revision Record

Version	Record
D	Add more description to 2-4-4
E	Add ESC scene to 2-4-6
F	Content/errors/typos edited

Issued on: Nov, 2011

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