

# **DP-105E**

## **RS-485 to EDX Interface**

### **【User Manual】**



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## Chapter 1 Introduction

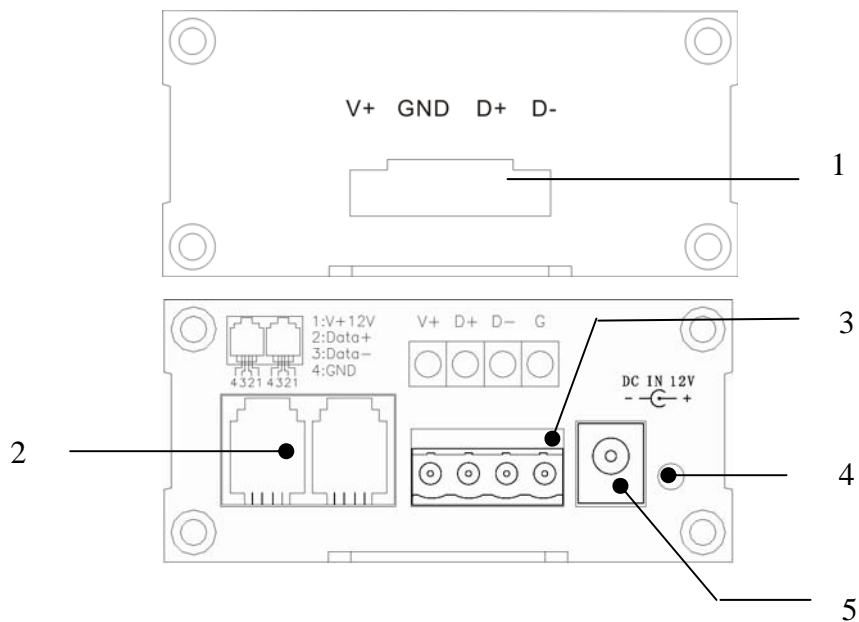
### 1-1 Function

- RS-485 to EDX interface.

### 1-2 Specification

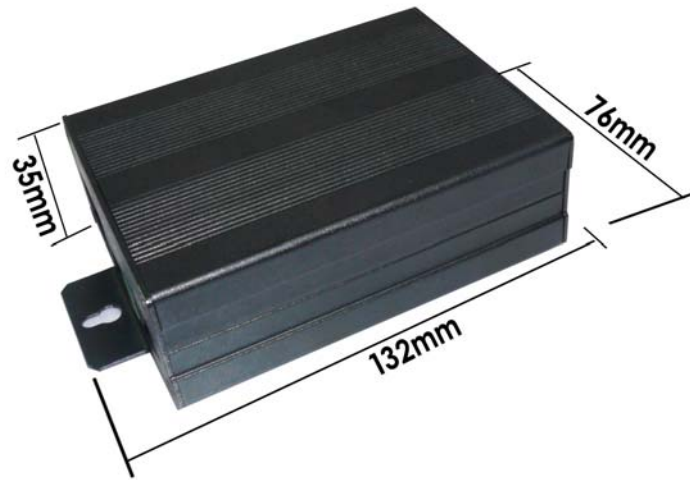
- Power input : DC 12V
- Signal input : RS-485
- Signal output : EDX
- Dimension : 132 ( W ) \*76 ( H ) \*35 ( D ) mm
- Weight : 220g

### 1-3 Front panel



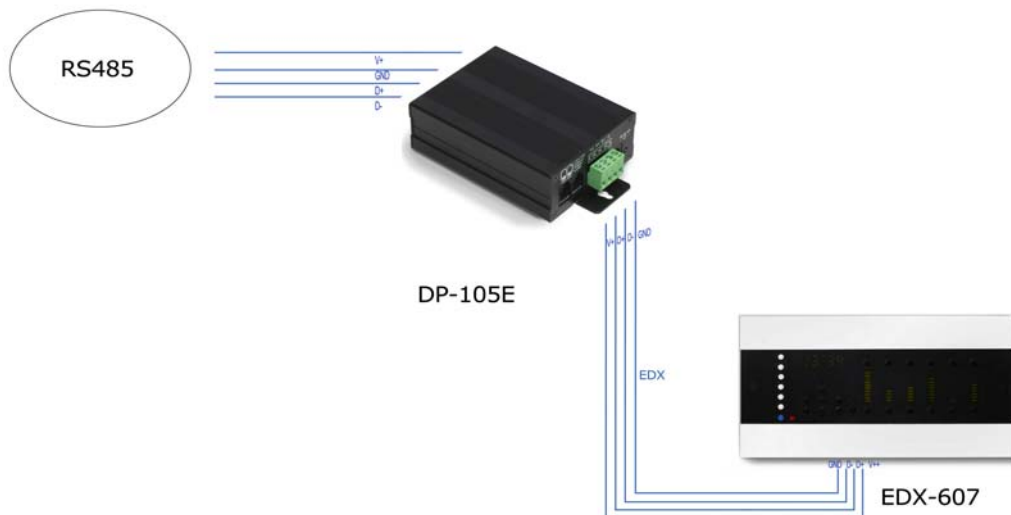
1	RS-485signal input: Green terminal
2	EDX signal output: PHONE JACK RJ11
3	EDX signal output: Green terminal
4	Power indicator
5	Power supply DC 12V/1A

### 1-4 Dimension



Dimension: 132\*76\*35 (W\*H\*D)

### 1-5 Wiring Diagram



## Chapter 2 DP-105E with EDX Dimmer Pack

### 2-1 Set Channel's Dimming Value

#	ID	Zone	43H	CH	00H	Value	05H
---	----	------	-----	----	-----	-------	-----

#### Description

ID: DP-105E ID address

Zone: Zone no.

When Zone no. is 1, then Zone = "0" "1"

43H : This command means setting channel's dimming value.

CH: Channel no.

Channel 11 (0x0A), then CH = "0" "A"

Value: Dimming value

Dimming value=25%,  $25\% = 25/100 * 255 = 63$  (decimal system) = 0x3F (hexadecimal system), then Value = "3" "F"

#### Example:

1 · Set the dimming value of channel 2 in zone 1 of ID=1 as 25% ( DP-105E )

**#01014302004005**

### 2-2 Read Channel's Dimming Value

#	ID	Zone	43H	CH	80H	00H	05H
\$	ID	Zone	43H	CH	00H	value	05H

#### Description

ID: DP-105E ID address

Zone: Zone no.

When Zone no. is 1, then Zone = "0" "1"

43H: This command means channel setting.

CH: Channel no.

Channel 11 (0x0A), then CH = "0" "A"

#### Example:

1 · Read the dimming value of channel 2 in zone 1 of ID=1

**#01014302800005**

Interface go back to set current channel's dimming value

**\$01014302004005** means channel 2's dimming value is 25%.

## 2-3 Scene Recall

#	ID	Zone	13H	Sc	64H	00H	05H
\$	ID	Zone	13H	Sc	64H	00H	05H

### Description

ID: DP-105E ID address

Zone: Zone no.

When Zone no. is 1, then Zone = "0" "1"

13H: This command means scene recall

SC: Scene no.

Recall scene 3, then SS = "0" "3"

### Example:

1. Recall scene 3 in zone 2 of ID=1

**#01021303640005**

Interface go back to set current channel's dimming value

**\$01021303640005**

## 2-4 Modify the 6 Channels in One Zone

&	ID	Zone	Start	Ch1	Ch2	Ch3	Ch4	Ch5	Ch6

### Description

ID: DP-105E ID address

Zone: Zone no.

When Zone no. is 1, then Zone = "0" "1"

Start: start channel address

CH1-CH6: channel's dimming value

### Example:

1 · Set channel 1, 2, 3, 4, 5 , 6's dimming value in zone 1 of ID=1 ( DP-105E ) as 0% , 25% , 50% , 100% , 50%, 0% separately

**&01010100407FFF7F00**

## 2-5 Dimmer/Switch Setting

#	ID	Zone	34H	Sub Zn	CH	00H	Dim/sw	05H

### Description

ID: DP-105E ID address

Zone: Zone no.

When Zone no. is 1, then Zone = "0" "1"

Sub Zn: Refer to the zone setting of EDX-607

CH: Channel no.

Dim/sw: dimmer=1, switch=0

### Example:

1. Set the channel 3 of EDX-607 in zone 01-01 of ID=1 ( DP-105E ) as switch  
**#0101340103000005**

## 2-6 Increase/Decrease Dimming Value

#	ID	Zone	32H	00H	00H	05H
#	ID	Zone	42H	00H	00H	05H

### Description

ID: DP-105E ID address

Zone: Zone no.

When Zone no. is 1, then Zone = "0" "1"

### Example:

1. Add all channel's dimming value of EDX-607 in zone 01 of ID=1 ( DP-105E)  
**#010132000005**

## 2-7 Timer Setting

Delete the timer record in one EDX-607

#	ID	Zone	17H	03H	00H	00H	00H	00H	00H	00H	05H
---	----	------	-----	-----	-----	-----	-----	-----	-----	-----	-----

Add one timer

#	ID	Zone	17H	02H	TZone	FFH	Hour	Min	Scene	Fade	05H
---	----	------	-----	-----	-------	-----	------	-----	-------	------	-----

### Description

ID: DP-105E ID address

Zone: Zone no.

When Zone no. is 1, then Zone = "0" "1"

TZone :add this timer to correspond zone

Hour: hour in timer

Min: minute in timer

Sc: scene

Fade: fade time

### Example:

1 · Add 8:15- sc1-fade-0.5s to EDX-607 in zone 01 of ID=1 ( DP-105E )

**#0101170201FF080F010505**

## 2-8 Scene Saving

#	ID	Zone	23H	Sc	00H	00H	05H

### Description

ID: DP-105E ID address

Zone: Zone no.

When Zone no. is 1, then Zone = "0" "1"

Sc: Scene no.

Scene no. is 10 (0x0A), then Sc = "0" "A"

### Example:

1 · Save the output of EDX-607 in zone 01 of ID=1 ( DP-105E ) to scene 3

**#01012303000005**

## 2-9 Timer ON/OFF

#	ID	Zone	22H	01H	00H	05H
#	ID	Zone	22H	00H	00H	05H

### Description

ID: DP-105E ID address

Zone: Zone no.

When Zone no. is 1, then Zone = "0" "1"

### Example:

1 · Turn on the timer of EDX-607 in zone 01 of ID=1 ( DP-105E )

#010122010005

## 2-10 Modify system time

#	ID	Zone	54H	00H	Hour	Minute	00H	05H

### Description

ID: DP-105E ID address

Zone: Zone no.

When Zone no. is 1, then Zone = "0" "1"

Hour : hour

Minute: minute

### Example:

1 · Turn on the timer of EDX-607 in zone 01 of ID=1 ( DP-105E )

#0101540001050005

## 2-11 Read temperature

#	ID	Zone	62H	00H	Sub zn	05H
\$	ID	Zone	62H	Temp	Sub zn	05H

### Description

ID: DP-105E ID address

Zone: Zone no.

When Zone no. is 1, then Zone = "0" "1"

Sub Zn : refer to the zone setting of EDX-607

Temp: temperature

**Example:**

1 · Read the temperature of EDX-607 in zone 01-01 of ID=1 ( DP-105E )

**#010162000105**

Interface go back to current channel's dimming value

**\$0101621F0105** means the temperature if the device in zone 01-01 is 31°C .

## Chapter 3 DP-105E with DP-IR02R (IR Learner)

### 3-1 IR command recall

#	ID	00H	65H	IR-ID	Port	IRnum	00H	00H	05H
---	----	-----	-----	-------	------	-------	-----	-----	-----

#### Description

ID: DP-105E ID address

IR-ID: The ID of DP-IR02R.

(When setting IR-ID to 0, DP-105E will transmit all IR commands to all DP-IR02R.)

Port: IR command transmitting port.

(When port=0, it means DP-105E will transmit all IR commands to all DP-IR02R ports.)

IRnum: The location of the IR command.

#### Example:

1. ID=1 (DP-105E): Sending NO.5 IR commands from port 3  
**# 010165010305000005** by IR learner (IR-ID=1).
2. ID=1 (DP-105E): Sending NO. 2 IR commands from all ports  
**#010165010002000005** by IR learner (IR-ID=1).

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## Guarantee

Lite-Puter promises to fulfill the following acceptances:

1. Lite-Puter is only responsible for DP-105E dimmer pack 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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