



## What's in the box?

In addition to this guide, the package includes the following items:



**WLS-RS300**



**Mounting Plate**

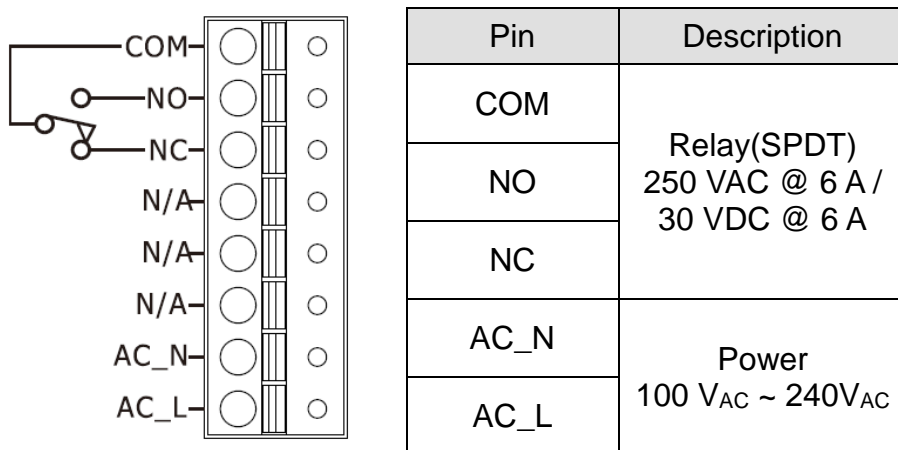


**M4x12 Drywall  
Screws x 2**

## Technical Support

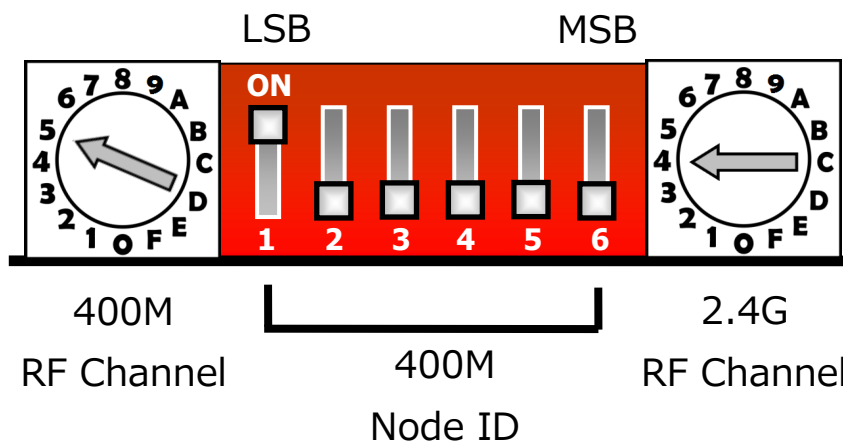
- **WLS-RS300 Related :**
  - [http://ftp.icpdas.com.tw/pub/cd/usbcd/napdos/wls\\_series/manual/](http://ftp.icpdas.com.tw/pub/cd/usbcd/napdos/wls_series/manual/)
- **WLS-RS300 Official Website :**
  - <http://m2m.icpdas.com/WLS-RS300.html>

# 1 Pin Assignment



# 2 Mode, Button function and LED description

The configuration of WLS-RS300 can be adjusted by using the external rotary switches and the DIP switches. The WLS-RS300 device should only be rebooted once the configuration is complete.



➤ Rotation switch description :

1. 400M RF channel · the ranges are 0x00 to 0x0F. WLS-RS300 can communicate with RFU-400 in same 400M RF channel.

RF Channel ( MHz )	0: 429.8125	1: 429.8250	2: 429.8375	3: 429.8500
	4: 429.8625	5: 429.8750	6: 429.8875	7: 429.9000
	8: 429.9125	9: 429.9250	A: 429.1750	B: 429.1875
	C: 429.2000	D: 429.2125	E: 429.2250	F: 429.2375

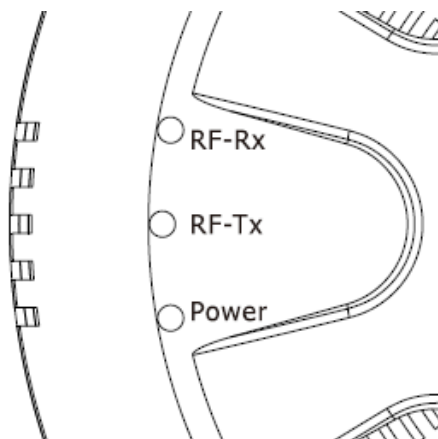
2. 2.4G RF channel · the ranges are 0x00 to 0x0F. WLS-RS300 can communicate with WLS-T01/02/11 in same 2.4G RF channel.

RF Channel ( MHz )	0: 2405	1: 2410	2: 2415	3: 2420
	4: 2425	5: 2430	6: 2435	7: 2440
	8: 2445	9: 2450	A: 2455	B: 2460
	C: 2465	D: 2470	E: 2475	F: 2480

➤ DIP switch description :

Number	Name	Status	Value	Description
1	400M Node ID	OFF	-----	The ranges are 0x01 to 0xFF. If 400M Node ID is set to 0x00, the LED of RF_Tx will steady lit to caution, and WLS-RS300 doesn't transmit wireless packages of location, the user need to switch to other Node ID or set Node ID and reboot WLS-RS300.
		ON	0x01	
2		OFF	-----	
		ON	0x02	
3		OFF	-----	
		ON	0x04	
4		OFF	-----	
		ON	0x08	
5		OFF	-----	
		ON	0x10	
6		OFF	-----	
		ON	0x20	

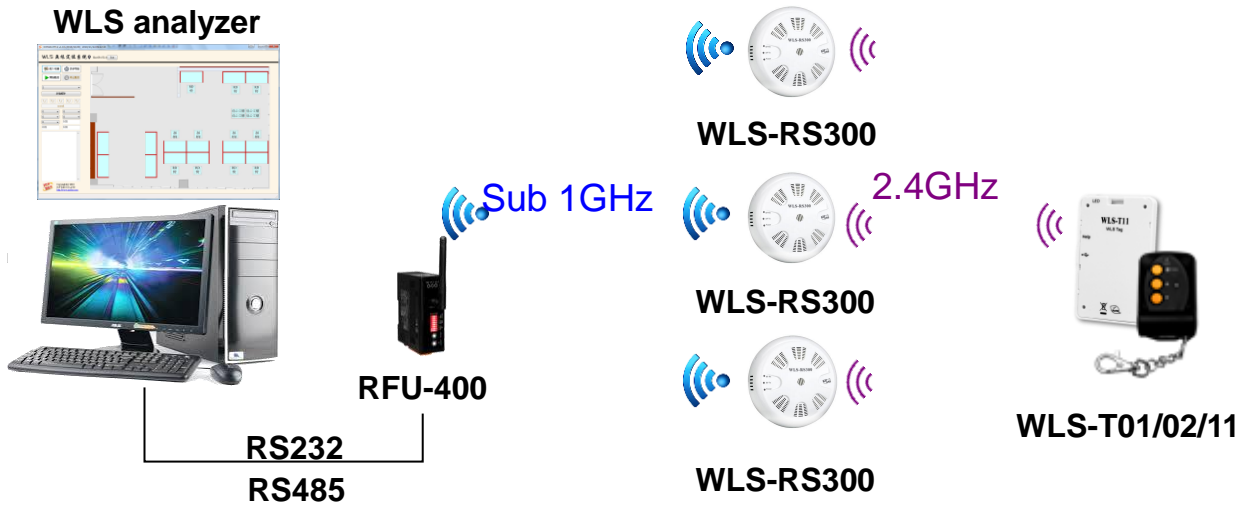
There are 3 LEDs in the WLS-RS300, and they are Power, RF\_Tx and RF\_Rx. The description of 3 LEDs as below:



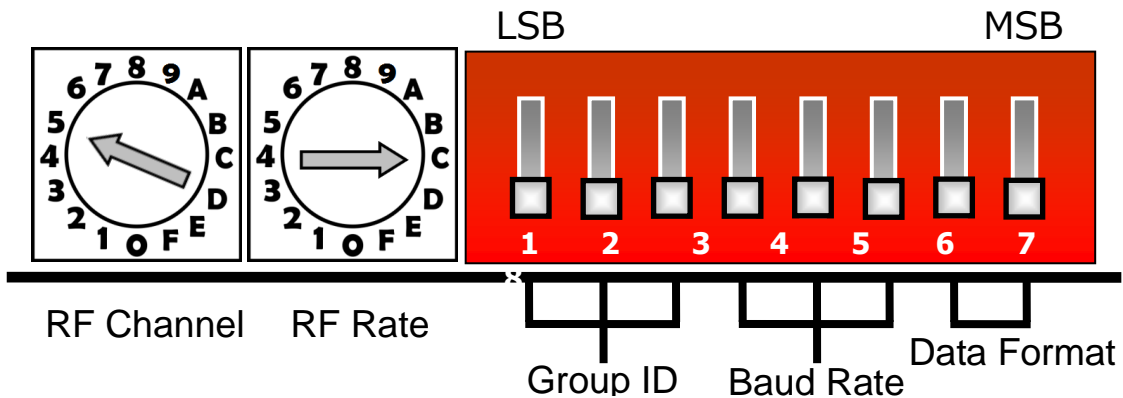
1. Power : Power LED, red, it will steady lit after power-on. If the LED don't steady lit, it means the power have problem.
2. RF\_Tx : RF Transmitting LED(green), it will blink once when WLS-RS 300 transmits a wireless package of 400MHz. If 400M Node ID is set to 0x00, the LED of RF\_Tx will steady lit to caution, and WLS-RS300 doesn't transmit wireless packages of location, the user need to switch to other Node ID or set Node ID.
3. RF\_Rx : RF Receiving LED(green), it will blink once when WLS-RS 300 receives a wireless package of 2.4GHz.

# 3 Startup to use

Wireless Location System (WLS) includes the modules that RFU-400, WLS-T01/02/11, WLS-RS300 and WLS software.



1. RFU-400 :



2. WLS-T01/02/11 : (Default) RF channel is 4, RF power is F.

3. WLS-RS300 :

