

ApooDr AHU wiring connecting guide

| Scenario | Controller | Indoor unit | Connection between Indoor and outdoor | Outdoor unit | ApooDr AHU DIP switch | | ApooDr ODU DIP switch |
|--|------------------------------------|-------------------------------|---------------------------------------|---------------------|-----------------------|---------------|-----------------------|
| | | | | | SW1-1 | SW1-4 | S1-2 |
| Scenario 1 (Recommend) | ApooDr Wired controller (Standard) | ApooDr AHU | RS485: S1/S2 | ApooDr ODU | OFF (Default) | OFF (Default) | OFF (Default) |
| Scenario 2 | 24V Thermostat | ApooDr AHU | RS485: S1/S2 | ApooDr ODU | ON | OFF (Default) | OFF (Default) |
| Scenario 3 | 24V Thermostat | ApooDr AHU | 24V: R/C/B/Y1/Y2/G/W | ApooDr ODU | ON | ON | ON |
| Scenario 4 | 24V Thermostat | ApooDr AHU | 24V: R/C/B/Y1/Y2/G/W | The third party ODU | ON | ON | n/a |
| Scenario 5 | 24V Thermostat | The third party AHU or A-COIL | 24V: R/C/B/Y1/Y2/G/W | ApooDr ODU | n/a | n/a | ON |

Note: Need to set the dip switch before the unit power on.

Scenario 1: Standard and Recommend

ApoDr Wired controller (Standard)

HA/HB
+

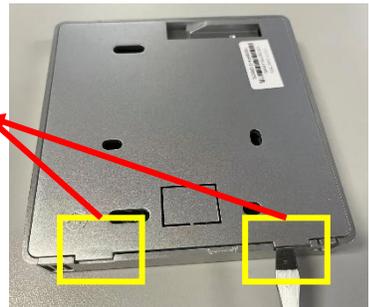
ApoDr AHU Indoor unit

S1/S2
+

ApoDr Outdoor unit



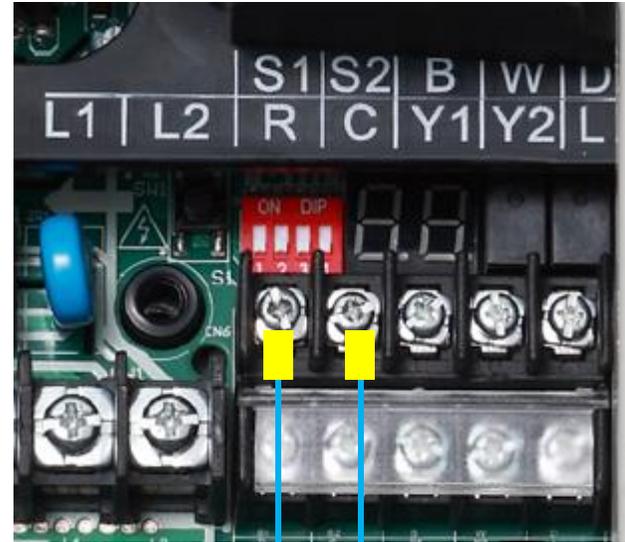
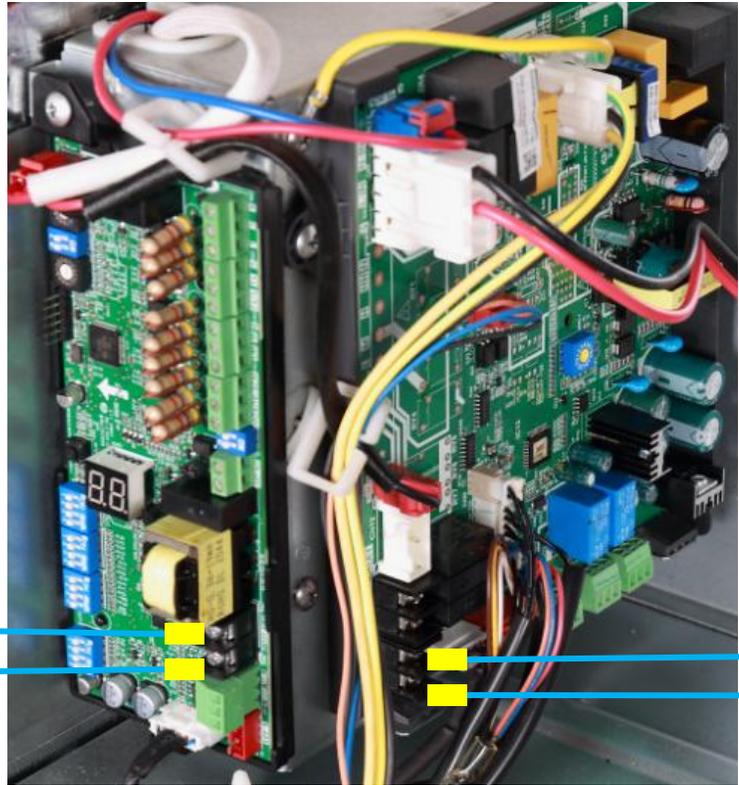
Package with indoor unit



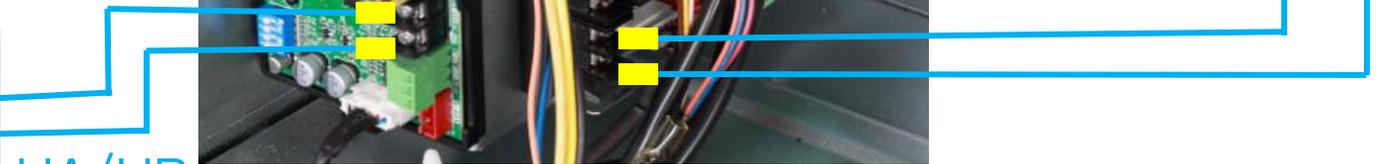
Open the rear cover



HA/HB



S1/S2



Scenario 2:

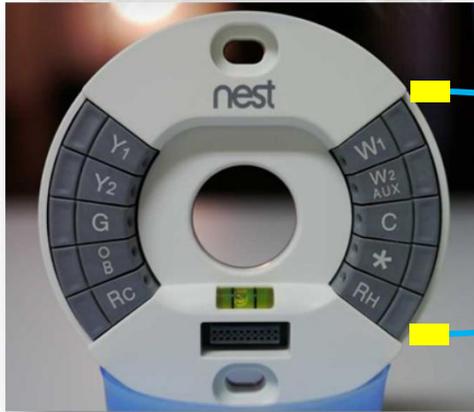
24V Thermostat

24V
+

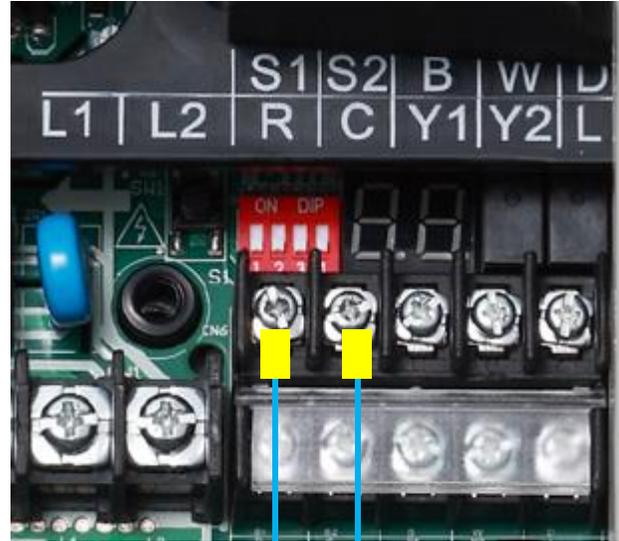
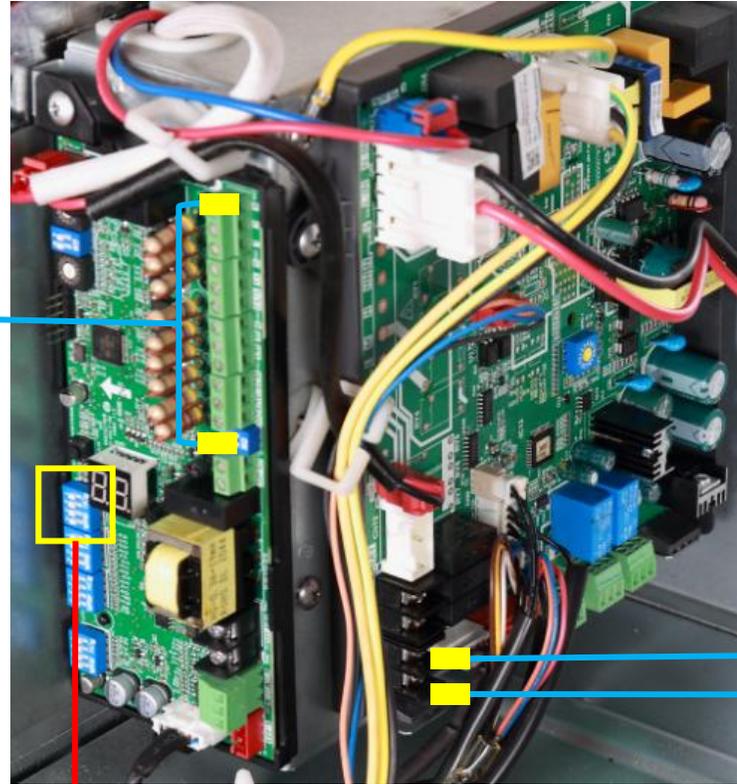
ApoDr AHU Indoor unit

S1/S2
+

ApoDr Outdoor unit



24V



S1/S2

Nest 24V thermostat as an example



SW1-1 dip switch to be "ON"

Note: Need to set the dip switch before the unit power on.

Scenario 3:

24V Thermostat

24V +

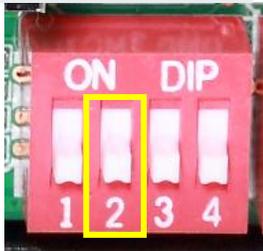
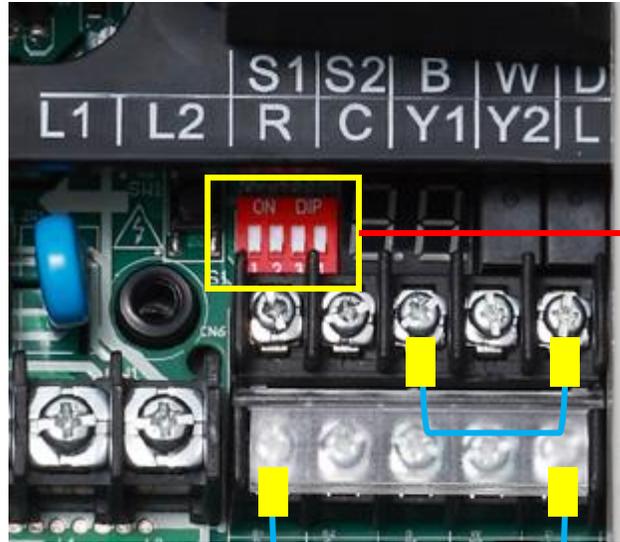
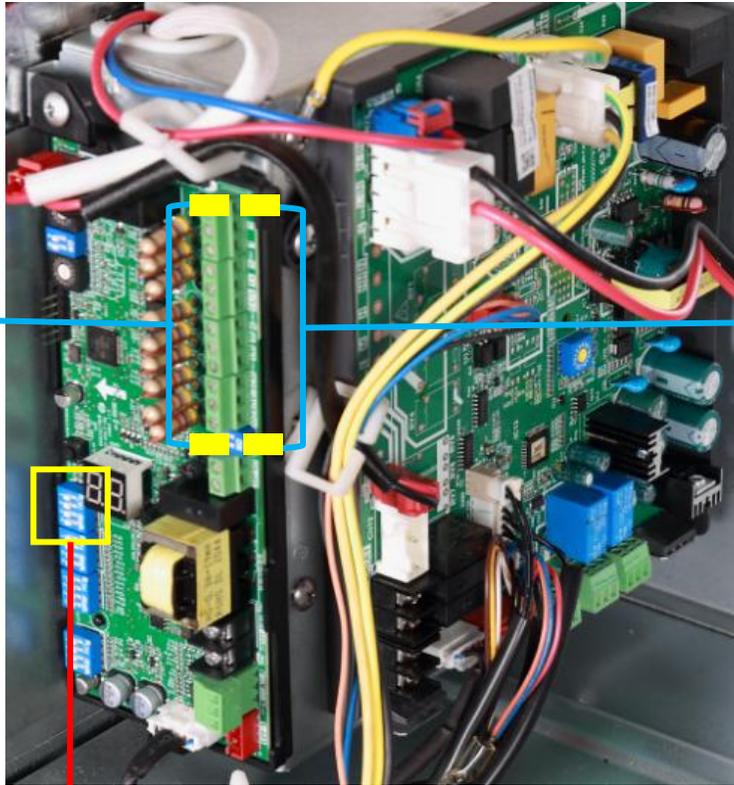
ApooDr AHU Indoor unit

24V +

ApooDr Outdoor unit

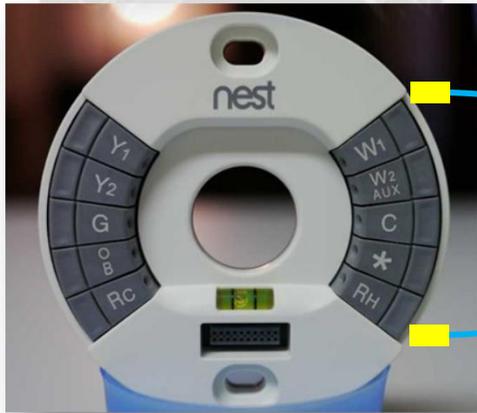


24V

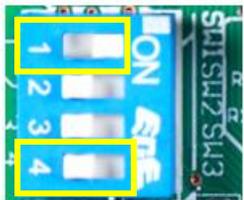


S1-2 dip switch to be "ON"

24V



Nest 24V thermostat as an example



SW1-1 dip switch to be "ON"

SW1-4 dip switch to be "ON"

Note: Need to set the dip switch before the unit power on.

Scenario 4:

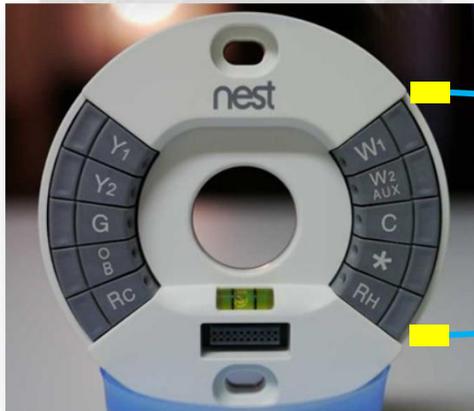
24V Thermostat

24V
+

ApoDr AHU Indoor unit

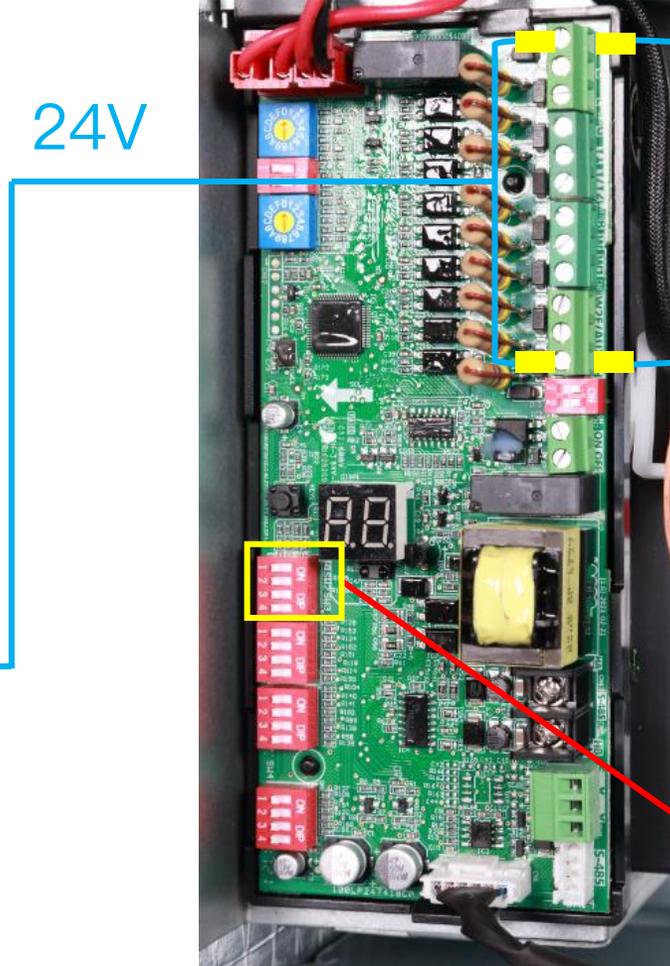
24V
+

The third party Outdoor unit



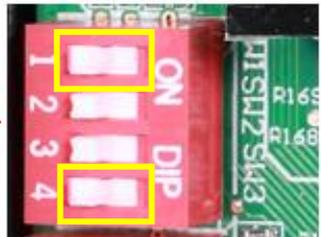
Nest 24V thermostat as a example

24V



24V

| | |
|------|-------------|
| (R) | RED |
| (C) | BROWN |
| (Y) | YELLOW |
| (Y2) | YELLOW/BLUE |
| (D) | PURPLE |
| (B) | BLUE |
| (L) | |



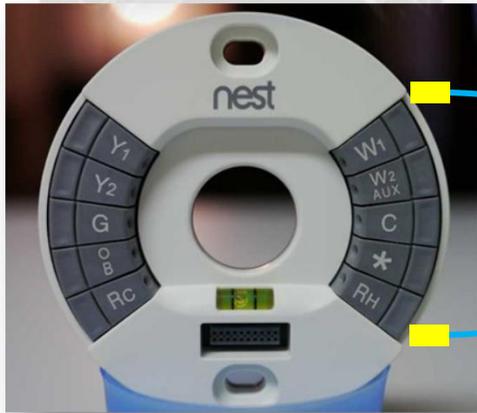
SW1-1 dip switch to be "ON"

SW1-4 dip switch to be "ON"

Note: Need to set the dip switch before the unit power on.

Scenario 5:

24V Thermostat



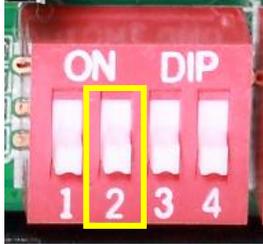
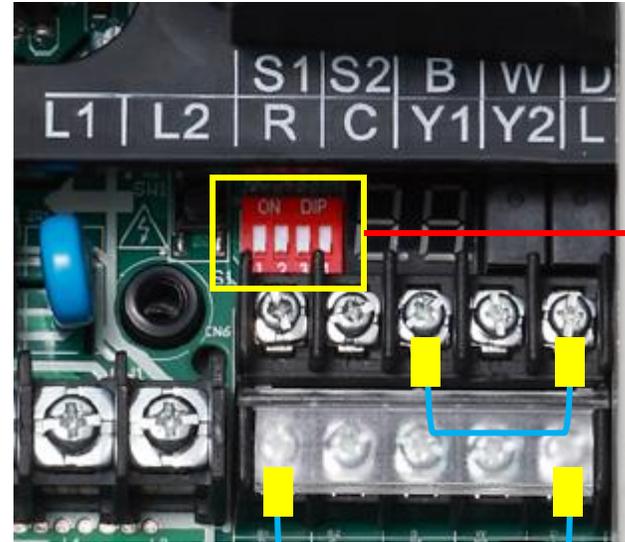
24V
+

The third party Indoor unit



24V
+

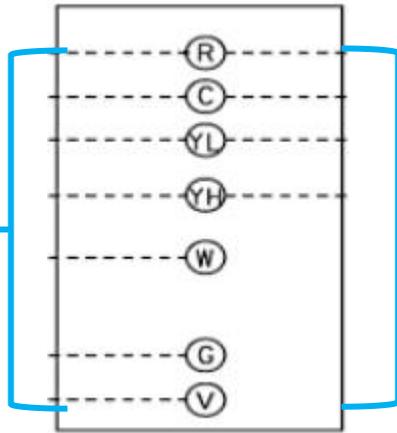
ApoDr Outdoor unit



S1-2 dip switch to be "ON"

Note: Need to set the dip switch before the unit power on.

24V



24V