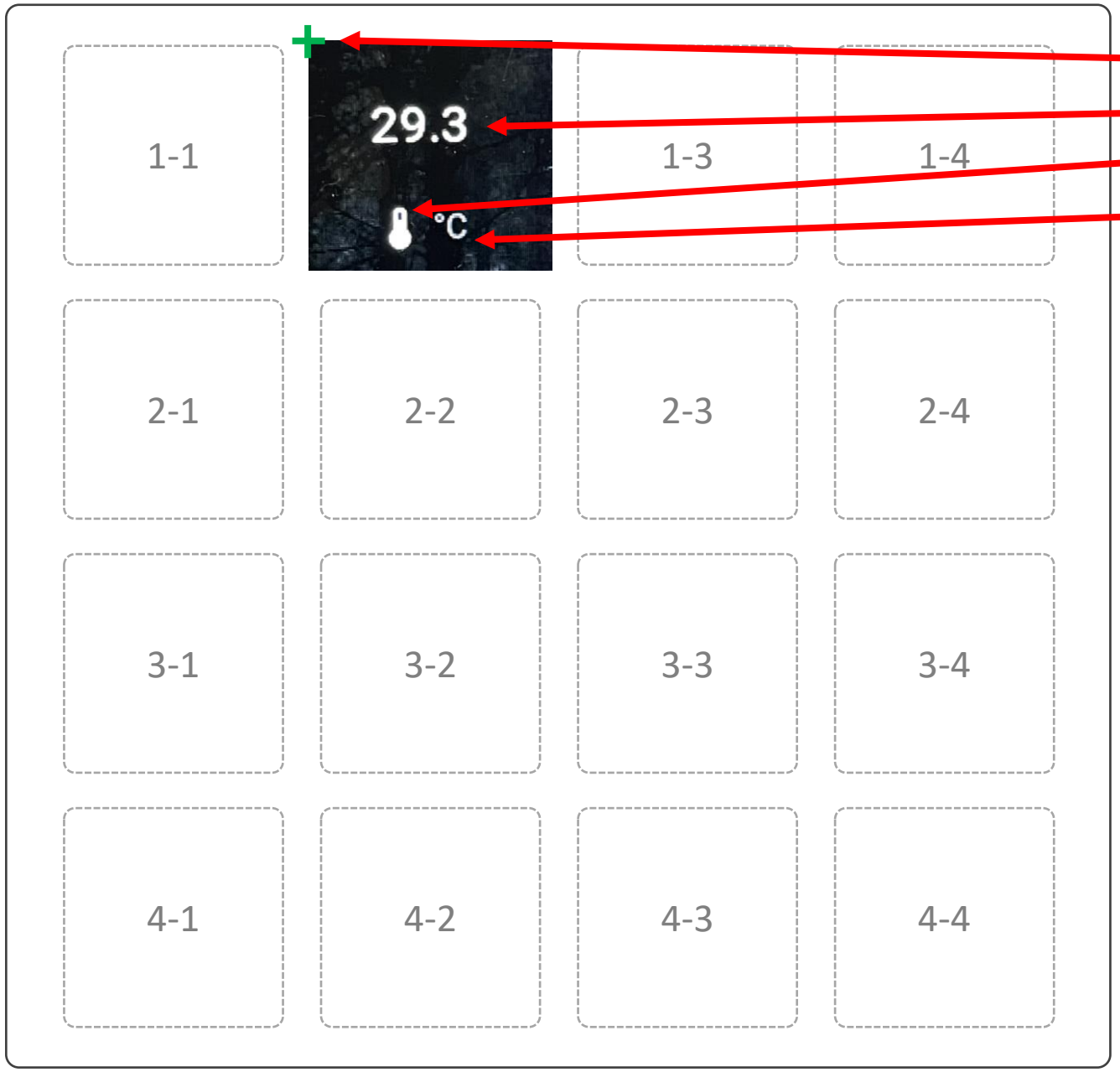
Dashboard one widgets 使用說明

- 三個小部件(widgets)的使用範例
  - value-card (值)
  - Button (按鈕)
  - Slider (滑塊)

value-card sample 1個小部件單位

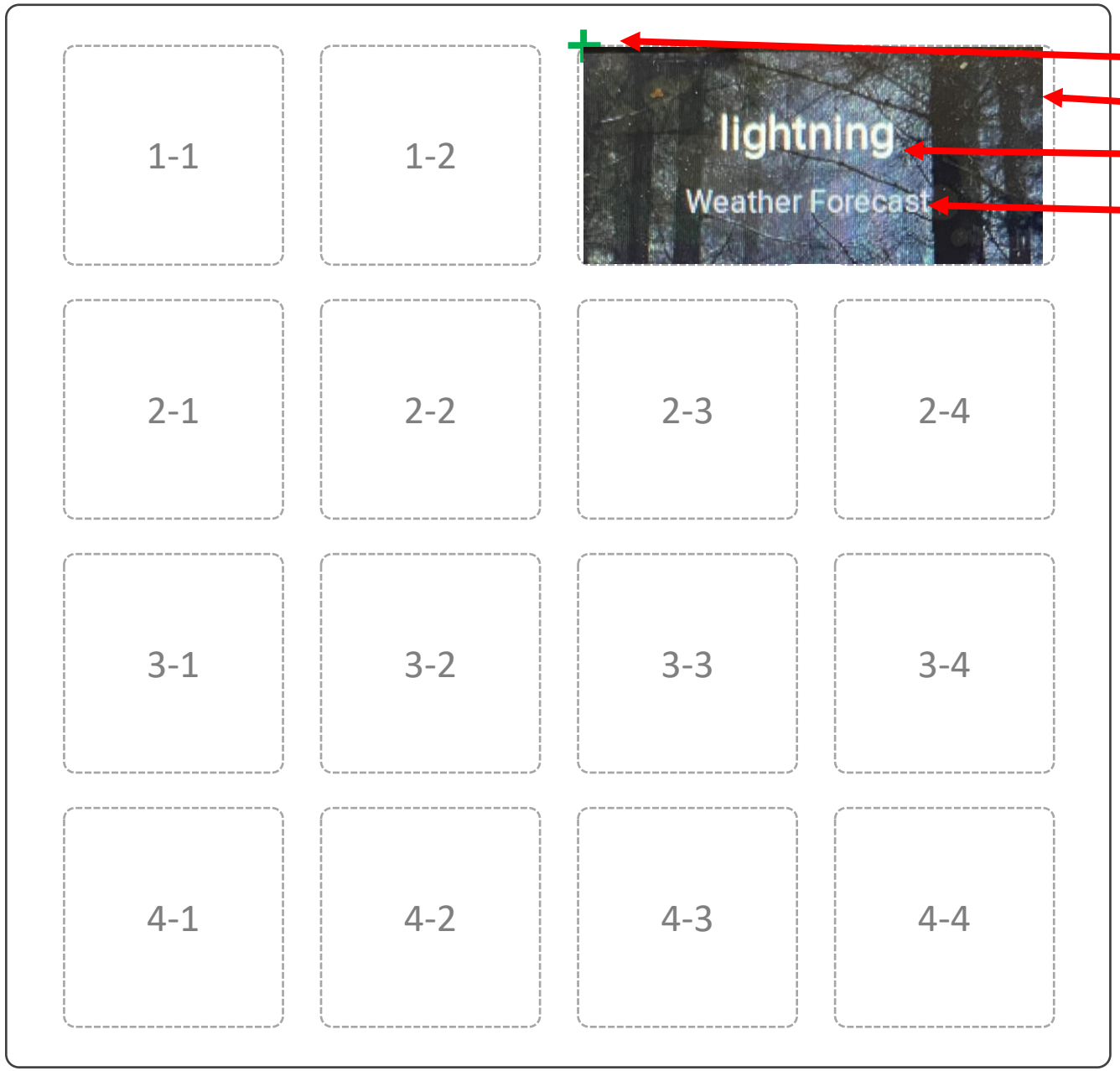


Widgets : value-card 說明
position: 座標落點(默認大小)
value: 用於顯示狀態、值(顯示上半部)
Icon:(顯示下半部)
text:會接在icon後面。

程式碼

```
- type: value-card  # 1-2 (溫度)
  position: 126, 8
  text: "°C"
  icon: 
  enabled: return true;
  # 把客廳的溫度轉為數字形式顯示出來
  value: |-
    char buff[10] = "-";
    sprintf(buff, "%.1f", id(living_temperature).state);
    return std::string(buff);
```

value-card sample 2個小部件單位

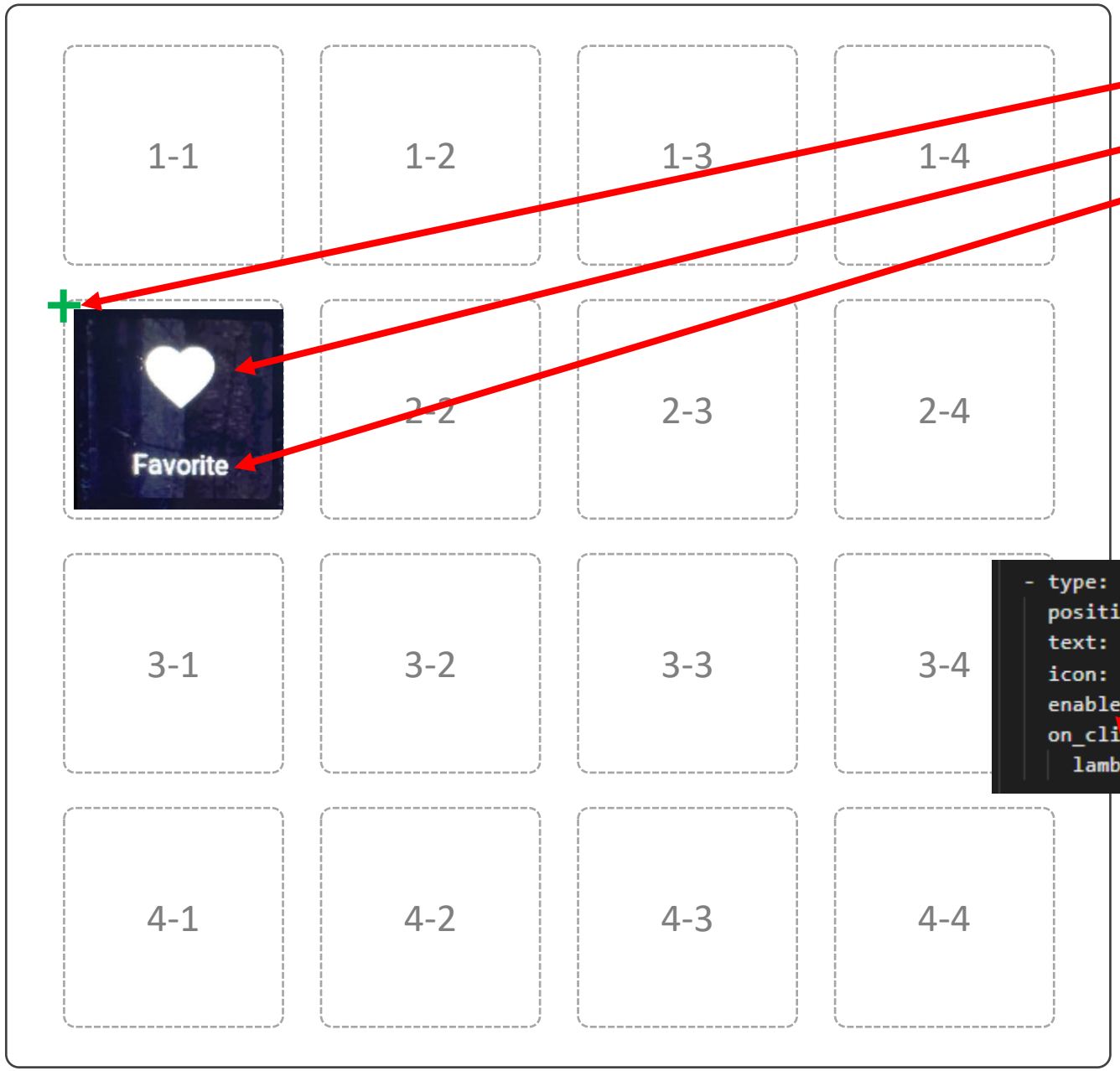


Widgets : value-card 說明
position: 座標落點
dimensions: 指定小部件寬高
value: 用於顯示狀態、值(顯示上半部)
text:會接在icon後面。

程式碼

```
- type: value-card  # 1-3+1-4 (天氣預報)
  position:  244, 8
  dimensions: 228x110
  text: "Weather Forecast"
  enabled: return true;
  # 把天氣預報的文字顯示出來
  value: |-
    return id(weather_state).state;
```

button sample 1個小部件單位(換頁功能)



Widgets : button 說明
position: 座標落點(默認大小)
icon: (顯示上半部)
text: (顯示下半部)
on_click: 按下按鈕後的動作(跳到SCREEN_FAVORITE頁面)

程式碼

```
- type: button
  position: 8, 127 # 2-1 (參數調整)
  text: "Favorite"
  icon: 
  enabled: return true;
  on_click:
    lambda: id(deck).switch_screen("$SCREEN_FAVORITE");  # 按下跳到favorite頁面
```

button sample 1個小部件單位(開關功能帶同步反饋)

checked: 如果id study_relay_state 等於on 就反饋小部件背景亮，否則暗

on_turn_on:/off:
執行on 與 off 的相對應動作
homeassistant.service 是直接控制HA裡面的指令；service 是執行的entity類別、動作；data 後面接的多半是HA的 entity id 或屬性等..

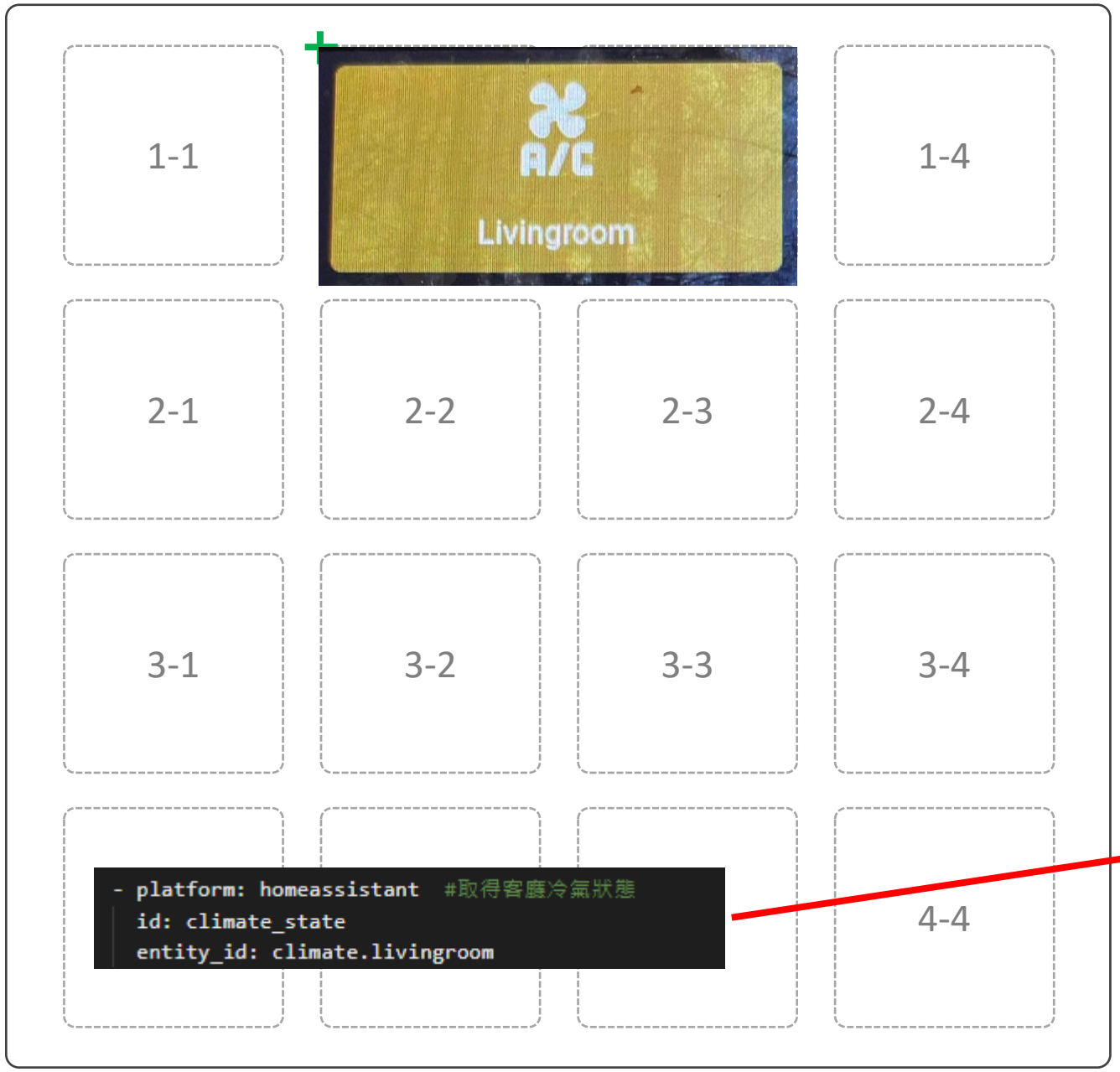
toggle: true 觸發反饋有效


```yaml
text_sensor:  #"文字" 類用text_sensor 開關的on/off 也算是
  - platform: homeassistant #取得HA書房一般電燈狀態
    id: study_relay_state
    entity_id: switch.hp_print_relay_device_relay
```

```yaml
- type: button
  position: 244, 127  #2-3 (一般開關)
  text: "Study"
  icon: 
  toggle: true  #打開反饋按鈕亮琥珀色底
  enabled: return true;
  # 反饋的依據參考 study_relay_state 這個id的狀態
  checked: |-
    if(id(study_relay_state).state == "on") { return 1; }
    else { return 0; }
  on_turn_on:
    - homeassistant.service:  # 執行HA的 Service
        service: switch.turn_on  # SWITCH Service
        data:
          entity_id: switch.hp_print_relay_device_relay # HA裡面的entity
  on_turn_off:
    - homeassistant.service:
        service: switch.turn_off
        data:
          entity_id: switch.hp_print_relay_device_relay
```

HA的 entity id

button sample 2個小部件單位(自動同步反饋不執行命令)



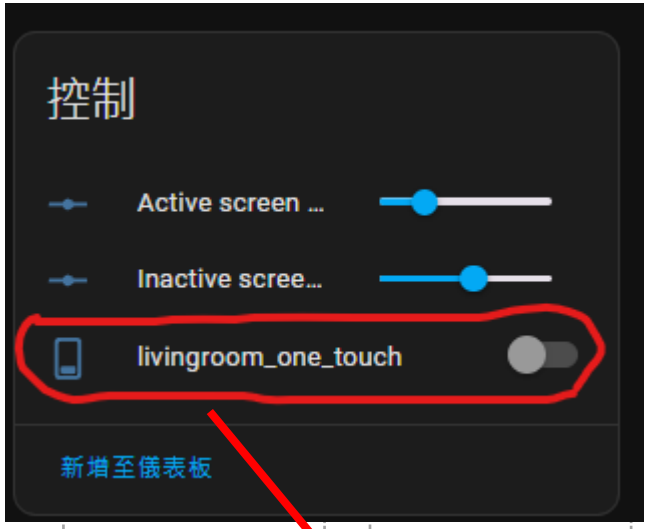
toggle: true 觸發自發性反饋無效
或把這行刪掉即可

程式碼

```
- type: button    #照理說是要用value-card，為了有開機狀態底色，所
  position: 126, 8    #1-2-3 (冷氣狀態)
  dimensions: 228x110
  text: "Livingroom"
  icon: 
  # toggle: true
  enabled: return true;
  checked: |-
    if(id(climate_state).state != "off") { return 1; }
    else { return 0; }
```

checked: 同步客廳冷氣狀態不等於off就反饋小部件背景亮，否則暗

button sample 1個小部件單位(在HA暴露switch供後期自動化)



1-3

1-4

2-3

2-4

3-1

3-4

4-3


```yaml
switch: #開關 暴露在HA後期作自動化用
  - platform: template #one_touch
    name: "livingroom_one_touch"
    id: livingroom_one_touch
    optimistic: true
```

沒有這行HA會看不到這個switch entity

反饋當前switch狀態 true 就反饋小部件背景亮，否則暗

```yaml
- type: button
  position: 362, 365 #4-4座標(one touch)
  text: "One Touch"
  icon: 
  toggle: true
  enabled: return true;
  checked: |-
    if(id(livingroom_one_touch).state == true ) { return 1; }
    else { return 0; }
  on_turn_on:
    - switch.turn_on: livingroom_one_touch
  on_turn_off:
    - switch.turn_off: livingroom_one_touch
```

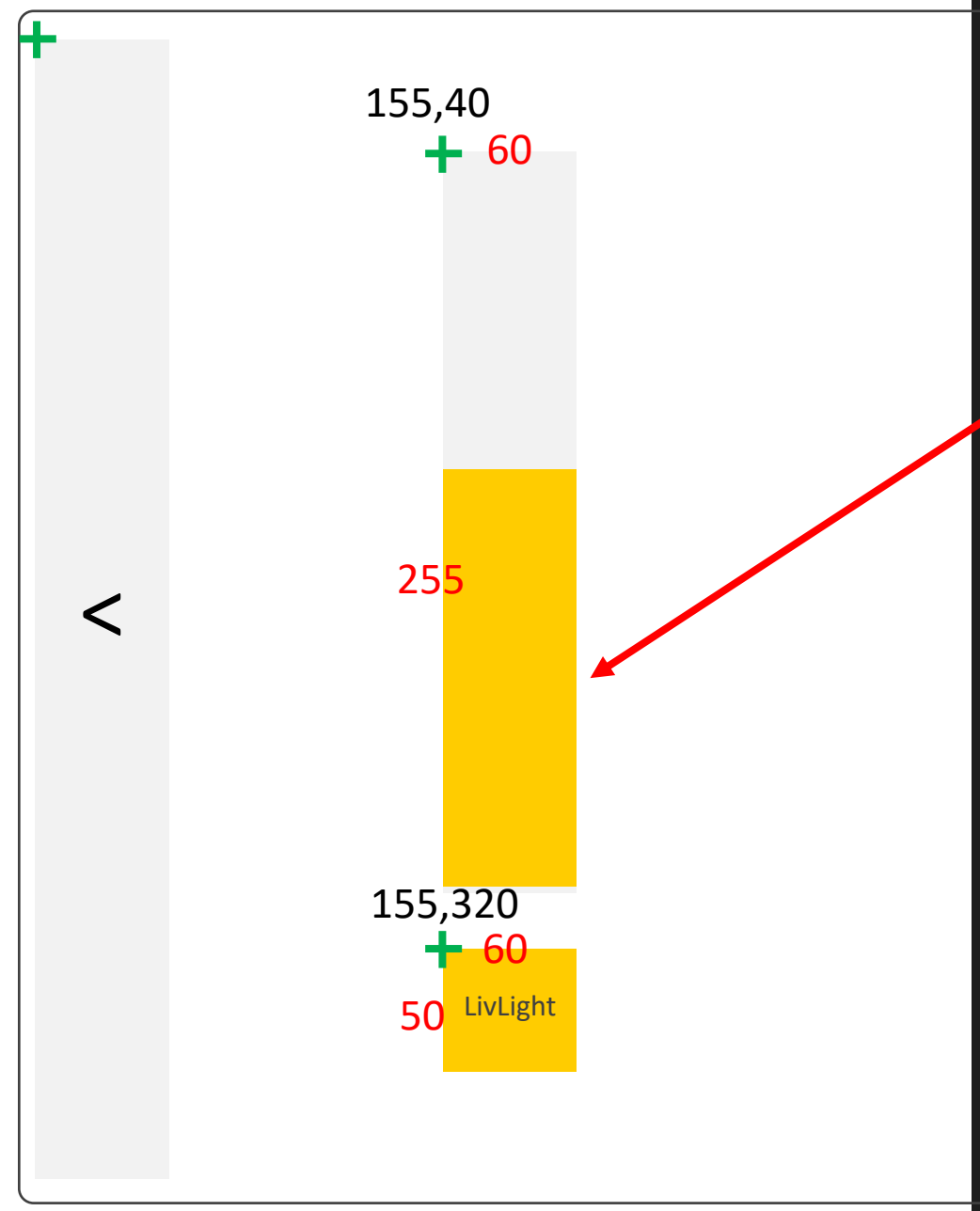
on_turn_on: 觸發switch ON/OFF

slider 小部件使用sample

不要設定min: 0會全黑

```yaml
hd_device_wt32s3_86s:
  id: device
  brightness: 75  #默認螢幕亮度
```

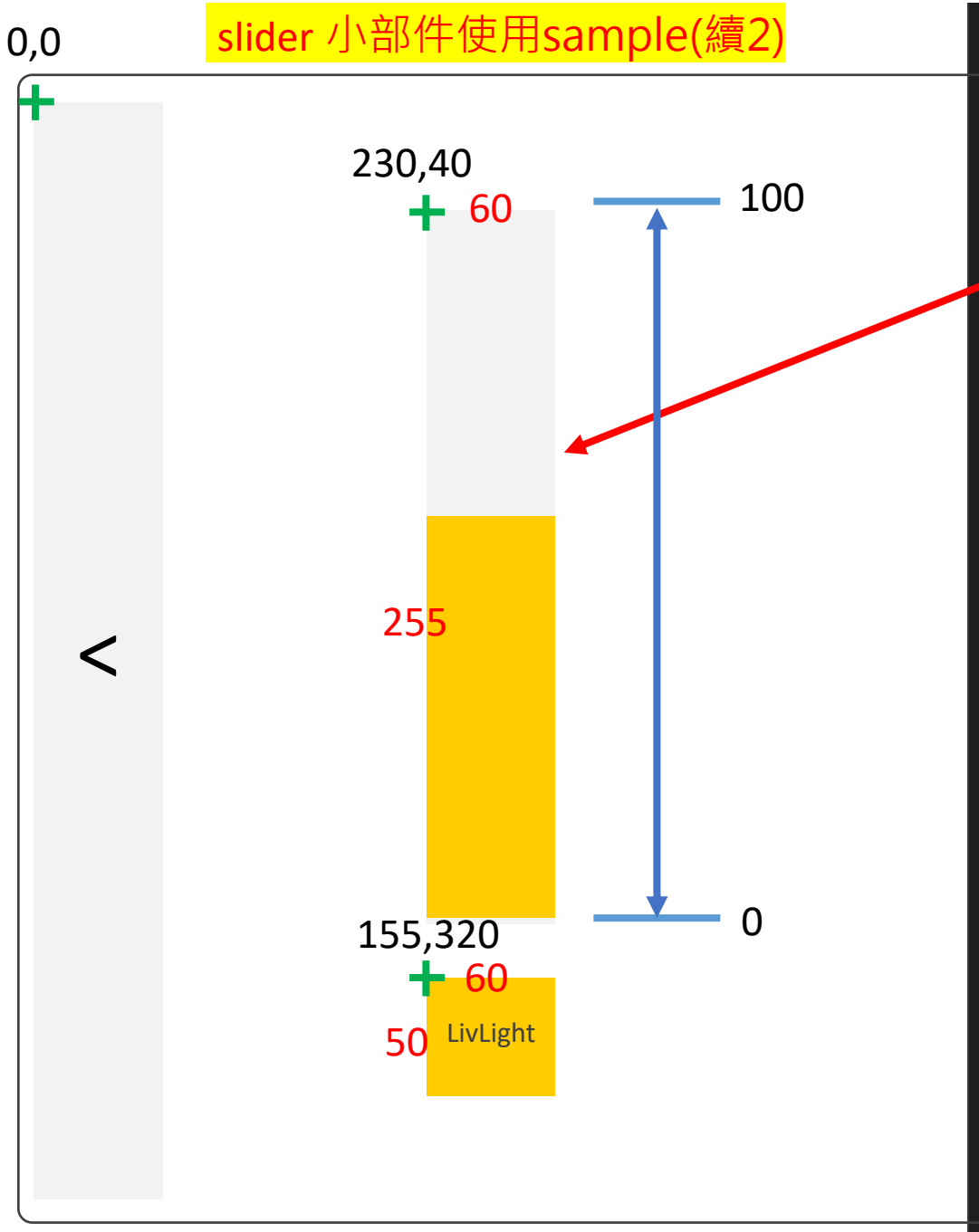
```yaml
##################################
#   設備畫面亮度設定
##################################
- type: slider #滑桿元件
  position: 80, 40
  dimensions: 60x255  # 滑桿大小，寬60 高255 畫面亮度調整255步，所以 max:255
  min: 1
  max: 255
  enabled: return true;
  value: return id(device).get_brightness();
  on_change:
    lambda: id(device).set_brightness(x);

- type: button
  position: 80, 320
  dimensions: 60x50
  text: "Screen"
  enabled: return true;
```




```yaml
sensor:  #"數值" 類用 sensor
  - platform: homeassistant #取得livingroom 亮度數值
    id: liv_light_brightness
    entity_id: light.wled
    attribute: brightness
```

```yaml
###################################
#    客廳電燈亮度設定
###################################
- type: slider
  position: 155, 40
  dimensions: 60x255  # WLED亮度調整參數是0-255步，所以滑桿元件的大小 255 吻合
  min: 0
  max: 255
  enabled: return true;
  value: |-
    if(id(liv_light_brightness).state <= 255) { return id(liv_light_brightness).state; }
    else { return 0; }
  on_change:
    - homeassistant.service:
        service: light.turn_on
        data:
          entity_id: light.wled
          brightness: !lambda return x;
- type: button
  position: 155, 320
  dimensions: 60x50
  text: "LivLight"
  toggle: true
  enabled: return true;
  checked: |-
    if(id(liv_light_state).state == "on") { return 1; }
    else { return 0; }
  on_turn_on:
    - homeassistant.service:
        service: light.turn_on
        data:
          entity_id: light.wled
  on_turn_off:
    - homeassistant.service:
        service: light.turn_off
        data:
          entity_id: light.wled
```

調整滑塊連動HA電燈的亮度




```yaml
##################################
#   臥室風扇強度設定
##################################
- type: slider
  position: 230, 40
  dimensions: 60x255
  min: 0
  max: 100
  enabled: return true;
  value: |-
    if(id( bed_fan_percentage).state <= 100) { return id( bed_fan_percentage).state; }
    else { return 0; }
  on_change:
    - homeassistant.service:
        service: fan.turn_on
        data:
          entity_id: fan.zhimi_fa1_b621_fan
          percentage: !lambda return x;

- type: button
  position: 230, 320
  dimensions: 60x50
  text: "BedFan"
  toggle: true
  enabled: return true;
  checked: |-
    if(id(bed_fan_state).state == "on") { return 1; }
    else { return 0; }
  on_turn_on:
    - homeassistant.service:
        service: fan.turn_on
        data:
          entity_id: fan.zhimi_fa1_b621_fan
  on_turn_off:
    - homeassistant.service:
        service: fan.turn_off
        data:
          entity_id: fan.zhimi_fa1_b621_fan
```

風扇百分比percentage 1-100
Min=0 max=100