**CHANGES NEEDED FOR “THERMOSTAT” AND “COOLER” DEVICE PROFILE**

**THERMOSTAT GROUP CHANGES:**

[1] when device add first time, at that time you need to add "thermostat\_4rl" profile to the DIRECTLY IN grp\_list and make sub device list of 4 device name "heater", "cooler"

"Fan", "humidifier".

[2] In programing setting we have to add humidifier access and its value and message

[3] Multiple sensor set for one group. Selection of sensor is from all store sensor.

**MESSAGE TYPE**

[1] RUALIVE : {"dev\_id":"ABI7U101","tsk":"rualive","r1":"0/1","r2":"0/1","r3":"0/1","r4":"0/1","mode":"0","ip":"192.168.0.16","firm\_ver":"1.1"}}

[2] HOLD TEMP SETTING: {"dev\_id":"ABI7U101","tsk":"hold","cooling":"87","heating":"85","senset":["2","ABI84301","ABI84201"]}

[3] ZONE TEMP SETTING: {"dev\_id":"ABI7U101","tsk":"scheduler","zone\_h":["4","5","6","9"], "zone\_m":["4","5","6","9"],"ht":["24","25","27","24"], "ct":["24","25","27","24"],"senset":["2","ABI84301","ABI84201"]}

[4] DEAD ZONE MESSAGE: :{"dev\_id":"ABI7U101","tsk":"deadzone","HDZ":"3","CDZ":"2","HCDZ":"5"}

[5] HUMIDIFIER SET VALUE: {"dev\_id":"ABI7U101","tsk":"humidifier","hum":"60%","avail":"1/0"}

**COOLER GROUP CHANGES:**

[1] when device add first time, at that time you need to add "cooler\_4rl" profile to the DIRECTLY IN grp\_list and make sub device list of 4 device name "compressor" "circulation fan"

""id fan" "alert device"

[2] in programing setting we have to add humidifier access and its value and message

[3] multiple sensor set for one group. Selection of sensor is from all store sensor.

**MESSAGE TYPE**

[1] RUALIVE : {"dev\_id":"ABI7U101","tsk":"rualive","r1":"0/1","r2":"0/1","r3":"0/1","r4":"0/1","mode":"0","ip":"192.168.0.16","firm\_ver":"1.1"}}

[2] HOLD TEMP SETTING: {"dev\_id":"ABI7U101","tsk":"hold","cooling":"87","heating":"85","senset":["2","ABI84301","ABI84201"]}

[3] ZONE TEMP SETTING: {"dev\_id":"ABI7U101","tsk":"scheduler","zone\_h":["4","5","6","9"], "zone\_m":["4","5","6","9"],"ht":["24","25","27","24"], "ct":["24","25","27","24"],"senset":["2","ABI84301","ABI84201"]}

[4] DEAD ZONE MESSAGE: :{"dev\_id":"ABI7U101","tsk":"deadzone","CDZ":"2"}

[5] ALERT TEMPERATURE VALUE: {"dev\_id":"ABI7U101","tsk":"alert\_temp","ht":"3","lt":"2"}

**PHP SIDE CHANGES LISTED BELOW**

1) Change in Add device first time using api

2) change in database structure

3) change on group list page

- need to show thermostat profile device on first

- only device mode operation can be perform

4) need to configure mqtt messages for thermostat/cooler profile device

- Rualive

- Hold mode setting & Zone mode setting for multiple sensor selection

- Humidityfire setting & set value mqtt message

5) change on group's device list page

- need to make change for relay & sensor list of thermostat/cooler profile device view

- html table structure change for thermostat/cooler profile device view

(deviceid,delete,select column need to remove for this device)

- need to show selected all sensor information

- no device can be operated from this page

6) change on group device's information page

- need to add information for thermostat/cooler profile device

7) change on group's control panel page

- able to select 2 sensor devices from Tempreture control and set schedule

- able to set humidity cutoff if humidifier exists

8) change on alert setting page

- configure mqtt message for low and high temprature for cooler group only

9) change in api for android

- configure api for thermostat/cooler profile device

**ANDROID SIDE CHANGES LISTED BELOW**

1. filter api and store data in database
2. using device\_profile create sub group automatic and store
3. show in groups
4. active programming button msg
5. filter rualive response
6. change design