RUNNING LIGHT DATA PATTERN

Protocol: MQTT

Every One-Minute Data from Device Data Pattern:

- Device_id:deviceID:Intensity:device_status:Power:Temperature:Autobrightness:AutoMotion :Lux

{device_id:tubeF1F2F3:8:1:3.76:32.37:1:1:791}

qos : 0, **retain** : false, **cmd** : publish, **dup** : false, **topic** : tubeF1F2F3/status, **mess ageId** : , **length** : 64, **Raw payload** : 1231001011181059910195105100581161179801704970507051585658495851465554585150465155584958495855574912 5

Response on 200:

- device_id:300:Intensity:device_status:Power:Temperature:Autobrightness:AutoMotion:Lux

{device_id:300:8:1:3.76:32.45:1:1:791}

qos : 0, **retain** : false, **cmd** : publish, **dup** : false, **topic** : tubeF1F2F3/status, **mess ageId** : , **length** : 57, **Raw payload** : 123100101118105991019510510058514848585849585146555458515046525358495849585557491 25

To Update the Intensity:

- Send data in below Format,
  - autoBrightness:0:Intensity

Ex. autoBrightness:0:10

autoBrightness:0:10

qos : 0, **retain** : false, **cmd** : publish, **dup** : false, **topic** : tubeF1F2F3/control, **mes sageId** : , **length** : 39, **Raw payload** : 971171161116611410510310411611010111511558485849 48

To set the AutoBrightness:

- Send data in below Format,
  - autoBrightness:1:Lux

Ex. autoBrightness:1:600

```
autoBrightness:1:700

qos : 0, retain : false, cmd : publish, dup : false, topic : tubeF1F2F3/control, mes
sageId : , length : 40, Raw payload : 97117116111661141051031041161101011
15115584958554848
```

To set the Threshold Temperature:

- Send data in below Format,
    - tempOverThreshold:temperature
    - Exa: tempOverThreshold:70
    - Note: Default set value is 80.
    - Once the threshold is updated you will get the response on MQTT for conformation as below,

```
{device_id:tubeF1F2F3:tempOverThresholdValueUpdated: 30}

qos : 0, retain : false, cmd : publish, dup : false, topic : tubeF1F2F3/status, mess
ageId : , length : 75, Raw payload : 123100101118105991019510510058116117981
01704970507051581161011091127911810111484104114101115104111108100869
69710811710185112100971161011005832514812 5
```

To Set the Maximum Analog Value:

- Send Data in the below Format,
    - maxAnalogPulseDutyCycle:Value
    - Exa: maxAnalogPulseDutyCycle:250
    - Note: Default set value is 204 o Once the threshold is updated you will get the response on MQTT for conformation as below,

```
{device_id:tubeF1F2F3:maxAnalogPulseDutyCycleUpdated: 204}

qos : 0, retain : false, cmd : publish, dup : false, topic : tubeF1F2F3/status, mess
ageId : , length : 77, Raw payload : 123100101118105991019510510058116117981
01704970507051581099712065110971081111038011710811510168117116121
6712199108101851121009711610110058325048521 25
```

To update Global Topic:

- Send Data in the below Format,
    - updateMqttTopic:globalTopic:topic
    - Note: The default set topic is evoluznGlobal, and this topic's maximum string length can be 20.
    - Once the threshold is updated you will get the response on MQTT for conformation as below,

{device_id:tubeF1F2F3:GlobalTopicUpdated: tubeGlobal}

qos : 0, **retain** : false, **cmd** : publish, **dup** : false, **topic** : tubeF1F2F3/status, **mess ageId** : , **length** : 72, **Raw payload** : 123100101118105991019510510058116117981017049705070515871108111989710884111121059985112100971161011005832116117981017110811198971087

To check the Stored Data:

- Send Data in the below Format,
  - storeStatus
  - This command checks all internal EEPROM parameters stored in the device,
  - Format is,
  - {device_id:deviceID:GLOBAL TOPIC:TEMPERATURE THRESHOLD:MAX ANALOG VALUE:MOTION COUNTER:PIR SENSOR DATA:USER DEFINED LUX}

{device_id:tubeF1F2F3:tubeGlobal:30:204:25:483855:700}

qos : 0, **retain** : false, **cmd** : publish, **dup** : false, **topic** : tubeF1F2F3/status, **mess ageId** : , **length** : 73, **Raw payload** : 123100101118105991019510510058116117981017049705070515811611798101711081119897108585148585048525850535852565156535358554848125

To restart the Device:

- Send the Data in below Format:
  - Restart

Payload

restart

Over Temperature Alerts will publish Every One Minute interval if temperature is above Threshold temperature:

{device_id:tubeF1F2F3:Device Internal Temperature > 30}

qos : 0, **retain** : false, **cmd** : publish, **dup** : false, **topic** : tubeF1F2F3/status, **mess ageId** : , **length** : 74, **Raw payload** : 123100101118105991019510510058116117981017049705070515868101118105991013273110116101114110971083284101109112101114971161171141013262325148125

To update the Motion Counter:

- Send data in below Format:
    - motionCounter:value
        Ex. motionCounter:50
    - Note: Default set value is 25.
    - Once the counter is updated you will get the response on MQTT for conformation as below,

{device_id:tubeF1F2F3:motionCounterUpdated: 25}

qos : 0, **retain** : false, **cmd** : publish, **dup** : false, **topic** : tubeF1F2F3/status, **mess**
ageId : , **length** : 66, **Raw payload** : 123100101118105991019510510058116117981
017049705070515810911116105111106711117110116101114851121009711
610110058325053125

To set the autoMotion ON:

- Send data in below Format:
    - autoMotionDetection:100
    - Once the auto motion ON you will get the response on MQTT for conformation as below,

{device_id:tubeF1F2F3:autoMotionActivate}

qos : 0, **retain** : false, **cmd** : publish, **dup** : false, **topic** : tubeF1F2F3/status, **mess**
ageId : , **length** : 60, **Raw payload** : 123100101118105991019510510058116117981
017049705070515897117116111771111610511110659911610511897116101125

To set the autoMotion OFF:

- Send data in below Format:
    - autoMotionDetection:0
    - Once the auto motion OFF you will get the response on MQTT for conformation as below,

{device_id:tubeF1F2F3:autoMotionDeactivate}

qos : 0, **retain** : false, **cmd** : publish, **dup** : false, **topic** : tubeF1F2F3/status, **mess**
ageId : , **length** : 62, **Raw payload** : 123100101118105991019510510058116117981
017049705070515897117116111771111610511110681019799116105118971161
01125