**Single Phase 12 Channel**

1. **Mqtt Server :- a6kvi1np2cmrt-ats.iot.ap-south-1.amazonaws.com**
2. **Mqtt Port :- 8883**

**MQTT Commands For Controlling :**

1. **SSID And Password Through MQTT :**

**Command :- wiFiCredentials:SSID:Password**

Ex. wiFiCredentials:EvoluznSoftware:Evoluzn693989

1. **Erase wiFiCredentials Through MQTT**

**Command :- earasWiFiCredentialsFromEEPROM**

1. **Change Publishing Interval Through MQTT**

**Command :- publishInterval:Interval**

Ex. publishInterval:60

**Note :** Interval in Seconds.

1. **For Relay Control Through MQTT**
2. **For Control Relay One**

**Command :- Relay1:State**

Ex. Relay1:1 OR Relay1:0

**Note :- State should be 1 or 0, 1 for ON and 0 for OFF.**

1. **For Control Relay Two**

**Command :- Relay2:State**

Ex. Relay2:1 OR Relay2:0

**Note :- State should be 1 or 0, 1 for ON and 0 for OFF.**

1. **For Control Relay Three**

**Command :- Relay3:State**

Ex. Relay3:1 OR Relay3:0

**Note :- State should be 1 or 0, 1 for ON and 0 for OFF.**

1. **For Control Relay Four**

**Command :- Relay4:State**

Ex. Relay4:1 OR Relay4:0

**Note :- State should be 1 or 0, 1 for ON and 0 for OFF.**

1. **For Control Relay Five**

**Command :- Relay5:State**

Ex. Relay5:1 OR Relay5:0

**Note :- State should be 1 or 0, 1 for ON and 0 for OFF.**

1. **For Control Relay Six**

**Command :- Relay6:State**

Ex. Relay6:1 OR Relay6:0

**Note :- State should be 1 or 0, 1 for ON and 0 for OFF.**

1. **For Control Relay Seven**

**Command :- Relay7:State**

Ex. Relay7:1 OR Relay7:0

**Note :- State should be 1 or 0, 1 for ON and 0 for OFF.**

1. **For Control Relay Eight**

**Command :- Relay8:State**

Ex. Relay8:1 OR Relay8:0

**Note :- State should be 1 or 0, 1 for ON and 0 for OFF.**

1. **For Control Relay Nine**

**Command :- Relay9:State**

Ex. Relay9:1 OR Relay9:0

**Note :- State should be 1 or 0, 1 for ON and 0 for OFF.**

1. **For Control Relay Ten**

**Command :- Relay10:State**

Ex. Relay10:1 OR Relay10:0

**Note :- State should be 1 or 0, 1 for ON and 0 for OFF.**

1. **For Control Relay Eleven**

**Command :- Relay11:State**

Ex. Relay11:1 OR Relay11:0

**Note :- State should be 1 or 0, 1 for ON and 0 for OFF.**

1. **For Control Relay Twelve**

**Command :- Relay12:State**

Ex. Relay12:1 OR Relay12:0

**Note :- State should be 1 or 0, 1 for ON and 0 for OFF.**

1. **200 Response**

**Format :- {device\_id:200:Voltage1:Current1:Power1:Relay1Status:Relay2Status:Relay3Status:Relay4Status:Voltage2:Current2:Power2:Relay5Status:Relay6Status:Relay7Status:Relay8Status :Voltage3:Current3:Power3:Relay9Status:Relay10Status:Relay11Status:Relay12Status }**

Ex. {device\_id:200:230.02:1.13:42.51:1:0:1:0:231.01:1.17:45.55:0:1:1:0:233.02:1.11:40.50:0:0:1:1}

1. **One Minute Publish Data**

**Format :-**

**{device\_id:DeviceId:Voltage:Current:Power:Relay1Status:Relay2Status:Relay3Status:Relay4Status:Voltage2:Current2:Power2:Relay5Status:Relay6Status:Relay7Status:Relay8Status :Voltage3:Current3:Power3:Relay9Status:Relay10Status:Relay11Status:Relay12Status}**

**Ex.** {device\_id: BTB12ChannelF0BF01:230.02:1.13:42.51:1:0:1:0:231.01:1.17:45.55:0:1:1:0:233.02:1.11:40.50:0:0:1:1}

1. **To check the i2c address**

**Command :- i2cScan**

**Ex.** i2cScan

**Note :- In response after publishing above command it gives the addresses of the i2c Slave device.**

1. **For Restart the Master**

**Command :- restart**

1. **For Restart the Slave**

**Command :- slaveRestart**