IoT
TDS METER

USER MANUAL

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CONTENTS
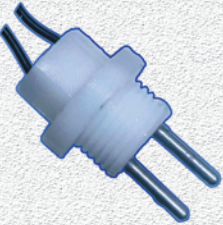
DEVICE COMPONENTS LIST

TDS Meter

Sound Security Alarm System
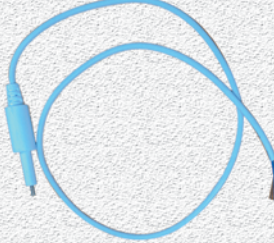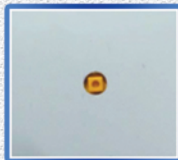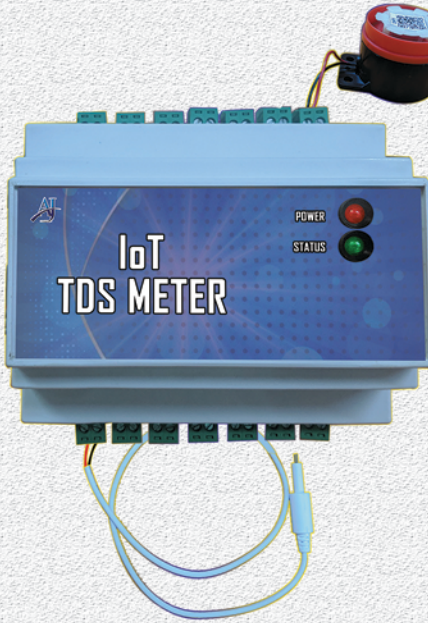
Either this one   **This one**

Or   TDS Sensor

12V Power Supply
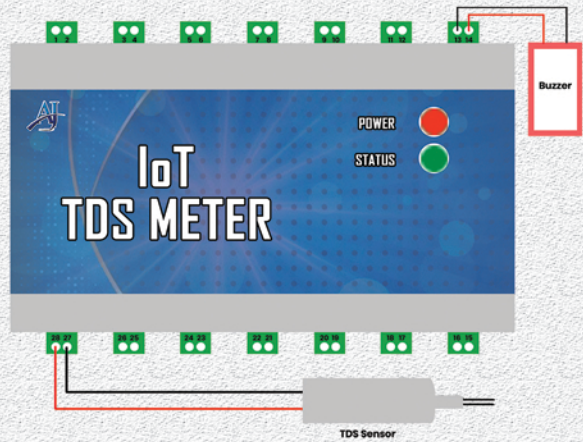
Reset Button

CIRCUIT CONNECTION AND DIAGRAM

a) Circuit Connection

b) Model Circuit Diagram

Buzzer

TDS Sensor

WIFI CONFIGURATION

☐ The device is powered with 12V adaptor. The power LED in the unit starts to glow. This indicate that the unit is powered ON. Connect the TDS sensor and buzzer to the device

☐ Now need to configure our device to the IP address to which the device need to connect

☐ The device will emit a Wi-Fi hot spot with name "Ajlon-TDS" and password is "12345678"

☐ Once we connect with our Wi-Fi hot spot through mobile phone or computer with given password. Then we need to type in URL "http://192.168.4.1" or "http://TDS/". The page shown above will open on the browser

☐ Then we need to enter the data for our configuration using Wi-Fi page

☐ In SSID we need to enter our Wi-Fi IP of the ROUTER to which device has to connect

☐ In Password we need to enter the ROUTER password

☐ In MQTT IP we need to enter the MQTT IP to which the device has to send data

☐ In MQTT PORT we need to enter the MQTT port

☐ In TCP we need to enter the IP address for which we need to connect

☐ In port we need to enter to which port we need to connect

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WIFI CONFIGURATION

☐ In Threshold we need to enter the Threshold value to monitor
☐ Then click on Submit button to configure the Wi-Fi
☐ After the configuration the below page will display
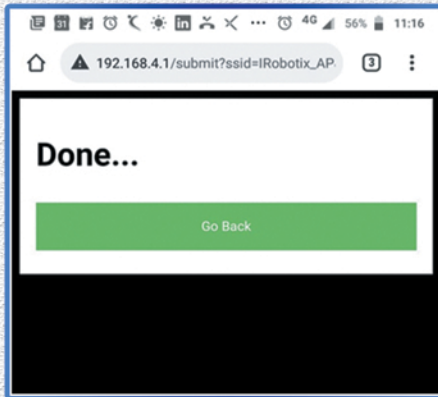
☐ When the device is connected to given tcp and port, the green light will glow on the device
☐ To reconfigure/edit the Wi-Fi configuration, we need to power off the device press the reset button for 1 minute from back side of the device and repeat the process again
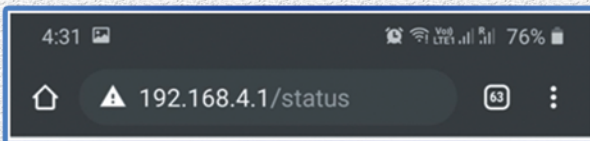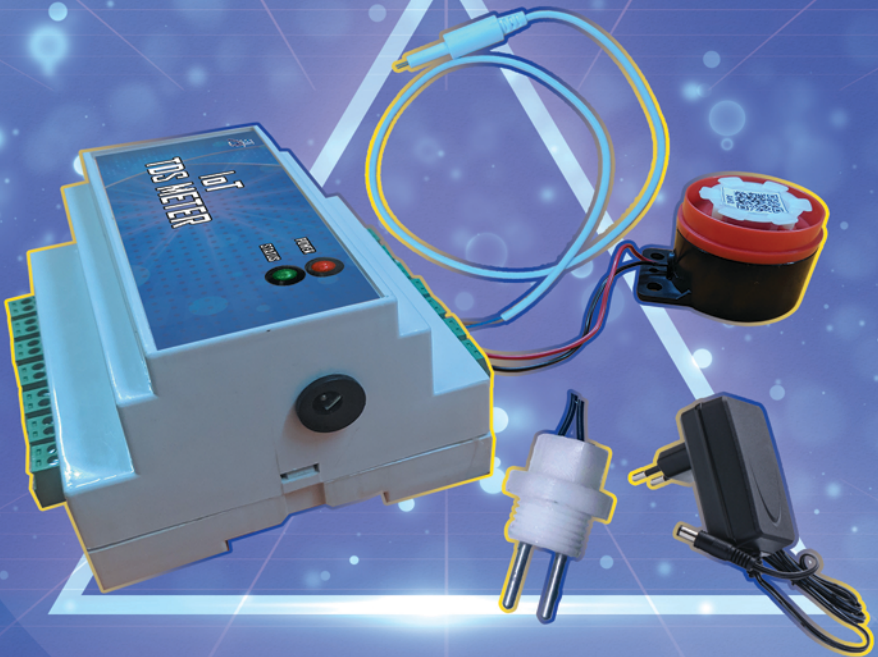

{"client_id":"42633173495","user_id":"ajmal","timestamp":"7615564543", "unit_status":"normal","sensor_01":"345","threshold":"100","alert":"0"}

☐ We can also see our the data send to TCP by typing URL "http://192.168.4.1/status" or "http://TDS/status/"and the above json data will be responded
☐ When respected TDS value gone above the threshold value, the buzzer will produce sound. We can turn off the buzzer sound by turning off the buzzer switch in the device

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ISO 9001:2015 CERTIFIED

CE CERTIFIED

100% SAFE

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