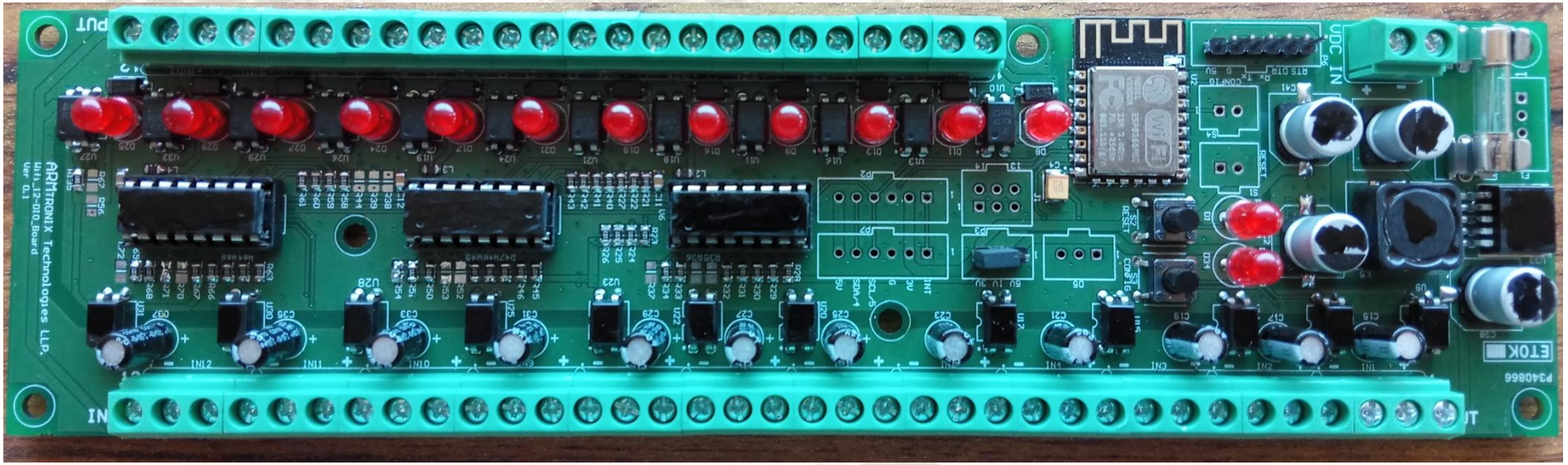
ARMtronix Technologies LLP.

Hubballi, India.

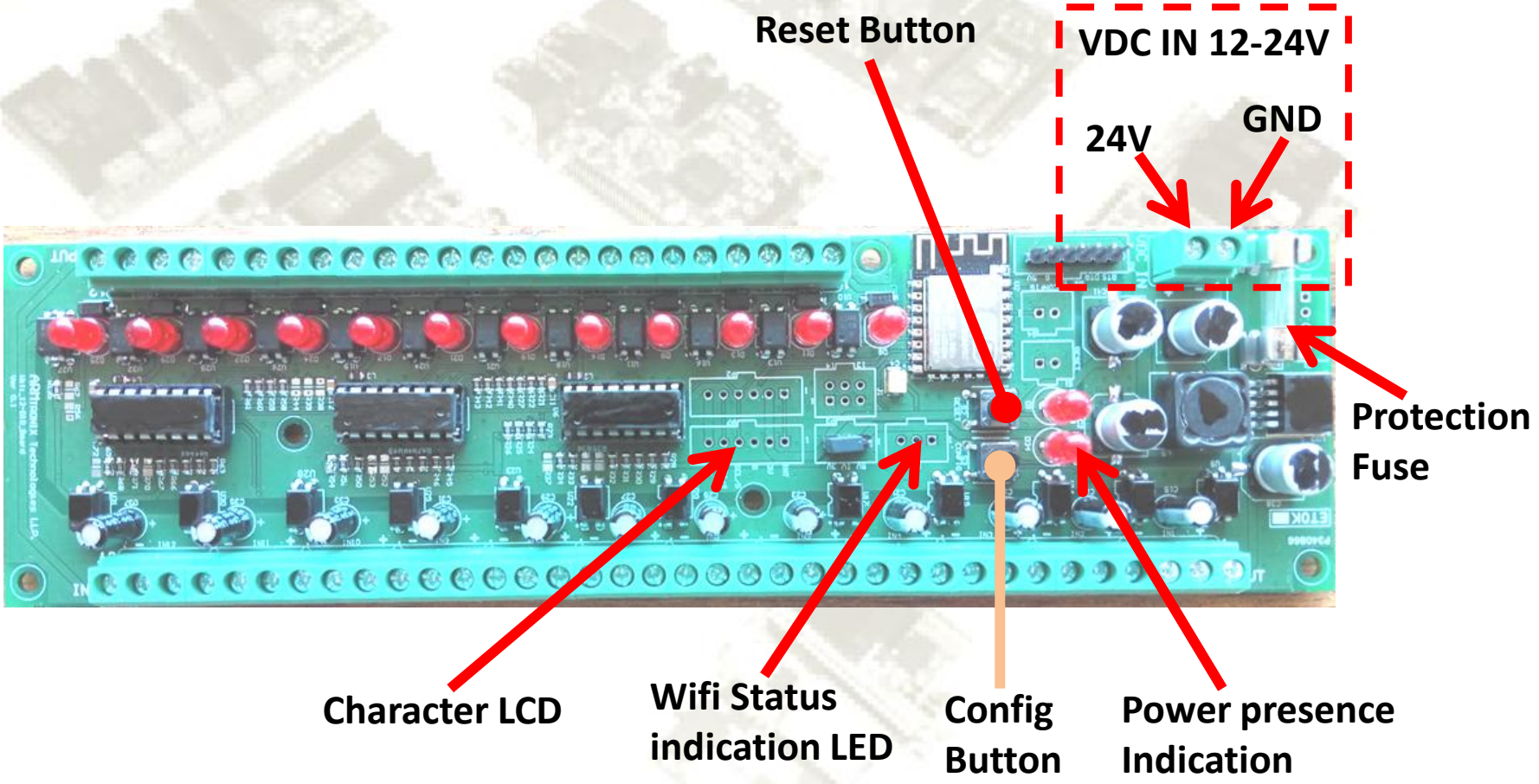
WIFI 12-INPUT 12-OUTPUT BOARD CONNECTION DETAILS

ARMTRONIX TECHNOLOGIES LLP

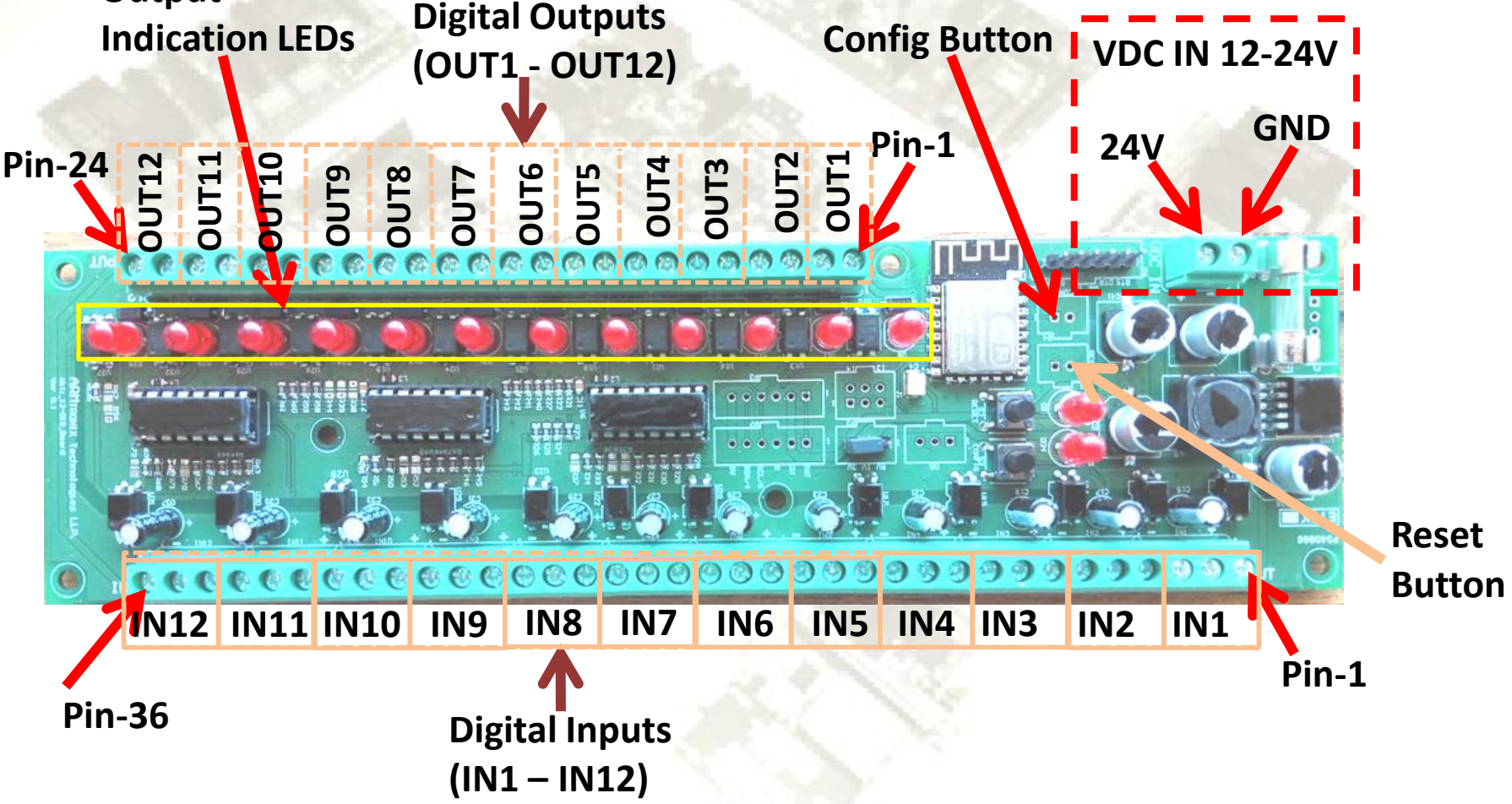
Wifi 12-Input 12-Output Board



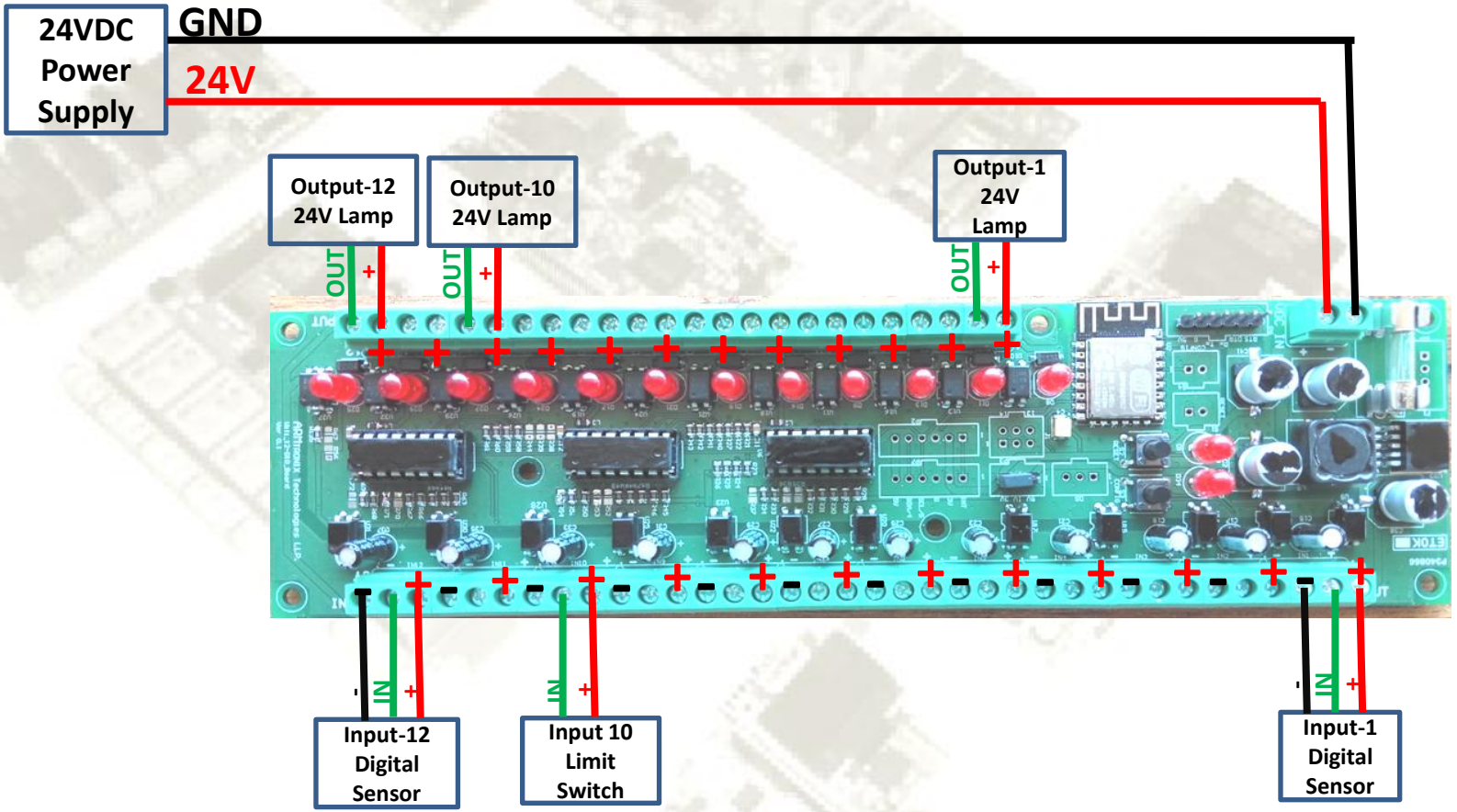
Button and Indications



Input Output Cpnnections



Input Output Connection



If, you need to connect any lamps other than Industrial standard lamps, you must use 10K or appropriate resistor in series to it. Wattage of resistor to be calculated based on lamp electrical ratings. This is Open-Collector Output.

Header Configuration

1. Header: VDC IN

Header Pin Number	Pin Name
1	GND
2	24 V DC (IN)

- **24 V DC (IN) :- Input 24 V DC to be supplied from SMPS.**

- **24 V DC (Out) :- Out 24 V DC supplied by this device to inputs like sensor or limit switches or Outputs like Lamps.**

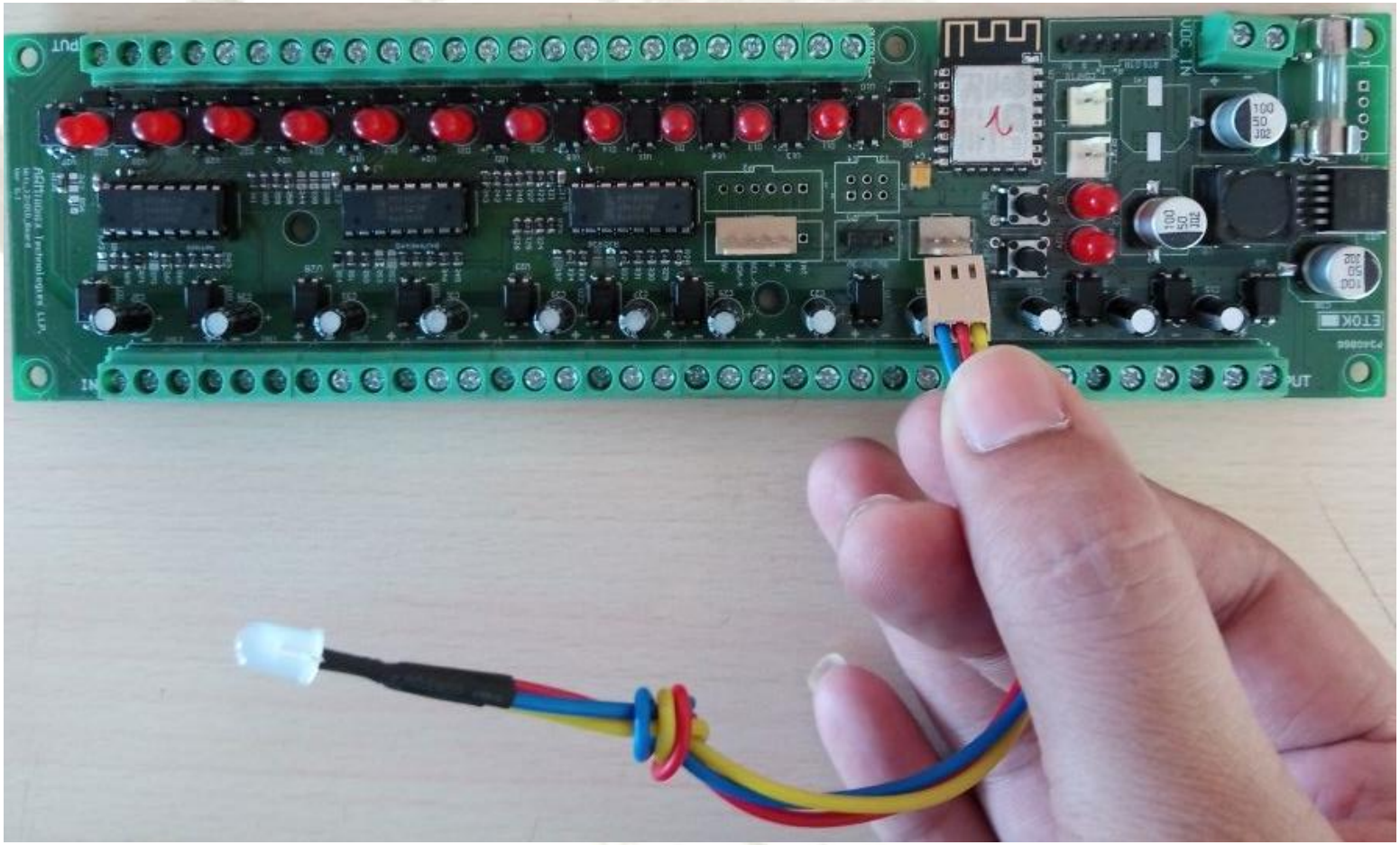
2. Header: Digital Input Header (IN1-IN12)

Header Pin Number	Pin Name
1	24 V DC (Out)
2	INPUT – 1
3	GND
4	24 V DC (Out)
5	INPUT – 2
6	GND
7	24 V DC (Out)
8	INPUT – 3
9	GND
10	24 V DC (Out)
11	INPUT – 4
12	GND
13	24 V DC (Out)
14	INPUT – 5
15	GND
16	24 V DC (Out)
17	INPUT – 6
18	GND
19	24 V DC (Out)
20	INPUT – 7
21	GND
22	24 V DC (Out)
23	INPUT – 8
24	GND
25	24 V DC (Out)
26	INPUT – 9
27	GND
28	24 V DC (Out)
29	INPUT – 10
30	GND
31	24 V DC (Out)
32	INPUT – 11
33	GND
34	24 V DC (Out)
35	INPUT – 12
36	GND

3. Header: Digital Output Header (OUT1-OUT12)

Header Pin Number	Pin Name
1	24 V DC (Out)
2	OUTPUT – 1
3	24 V DC (Out)
4	OUTPUT – 2
5	24 V DC (Out)
6	OUTPUT – 3
7	24 V DC (Out)
8	OUTPUT – 4
9	24 V DC (Out)
10	OUTPUT – 5
11	24 V DC (Out)
12	OUTPUT – 6
13	24 V DC (Out)
14	OUTPUT – 7
15	24 V DC (Out)
16	OUTPUT – 8
17	24 V DC (Out)
18	OUTPUT – 9
19	24 V DC (Out)
20	OUTPUT – 10
21	24 V DC (Out)
22	OUTPUT – 11
23	24 V DC (Out)
24	OUTPUT – 12

Wifi Status LED Connection



Note: Connector is Polarised and can mate in one orientation only.

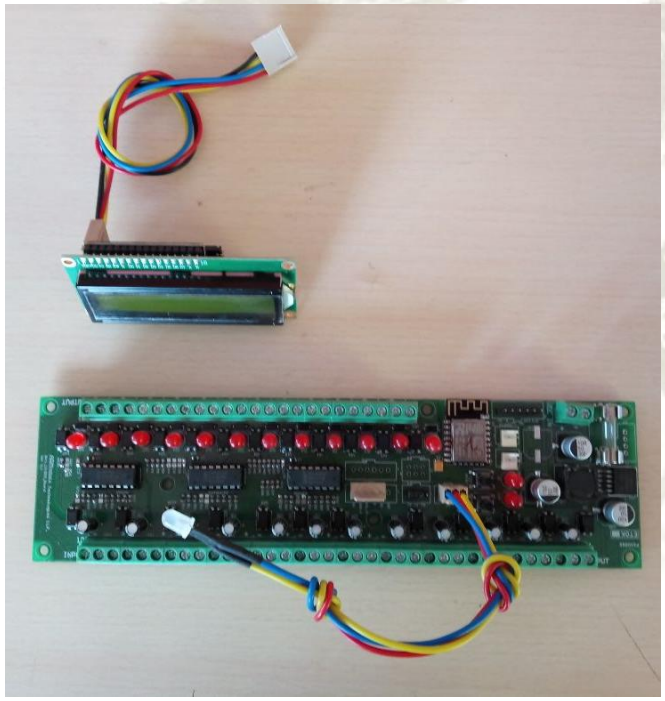
LCD Cable Connection

Connect the LCD cable as shown in above figure.

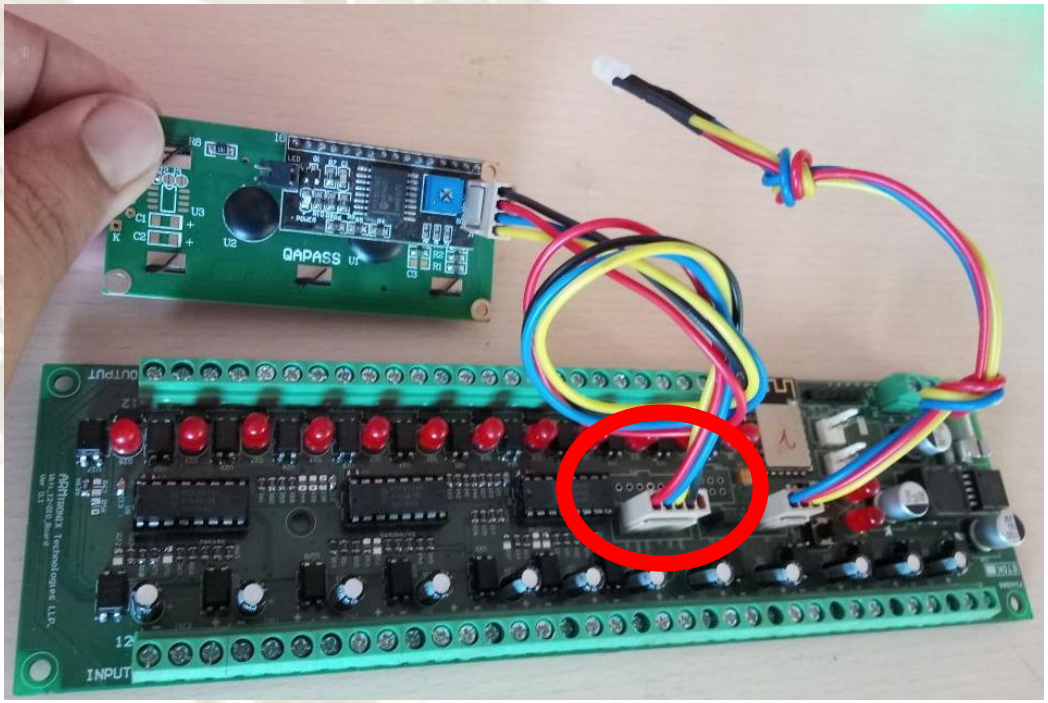
Note: Connector is Polarised and can mate in one orientation only.

LCD Connection with device

Before Connection:



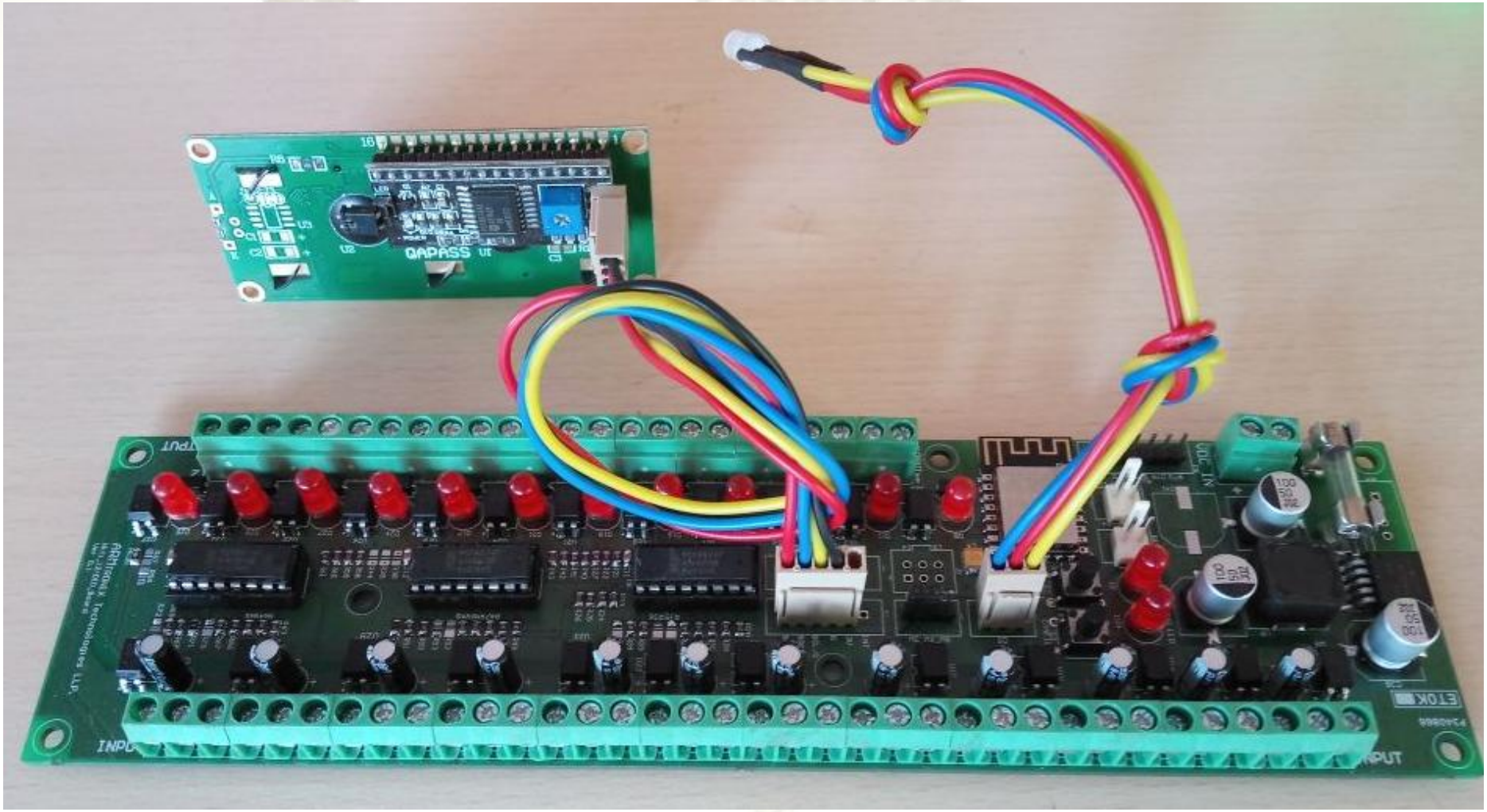
After Connection:



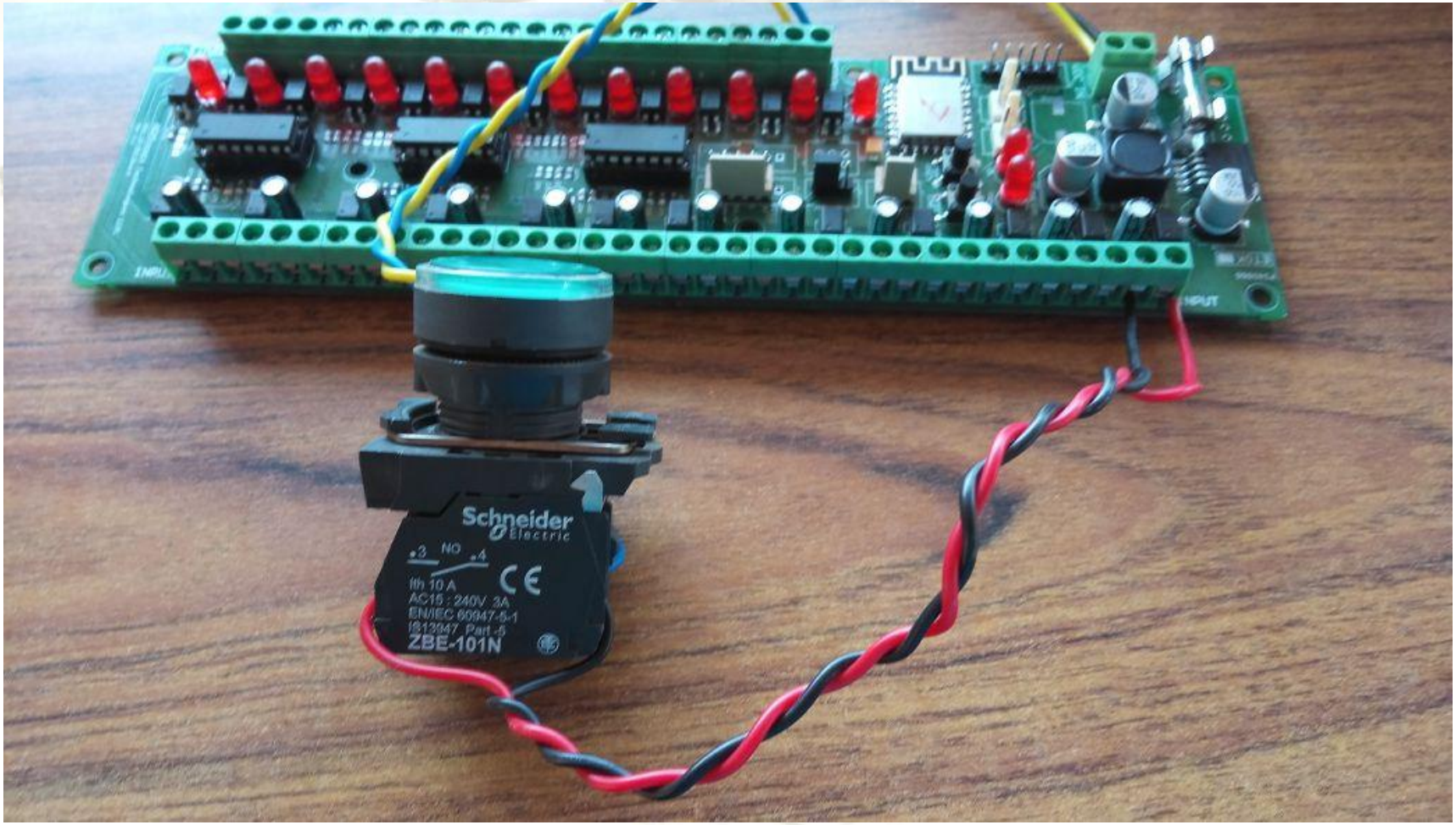
Connect the LCD cable as shown in red circle in above figure.

Note: Connector is Polarised and can mate in one orientation only.

LED and LCD Assembled

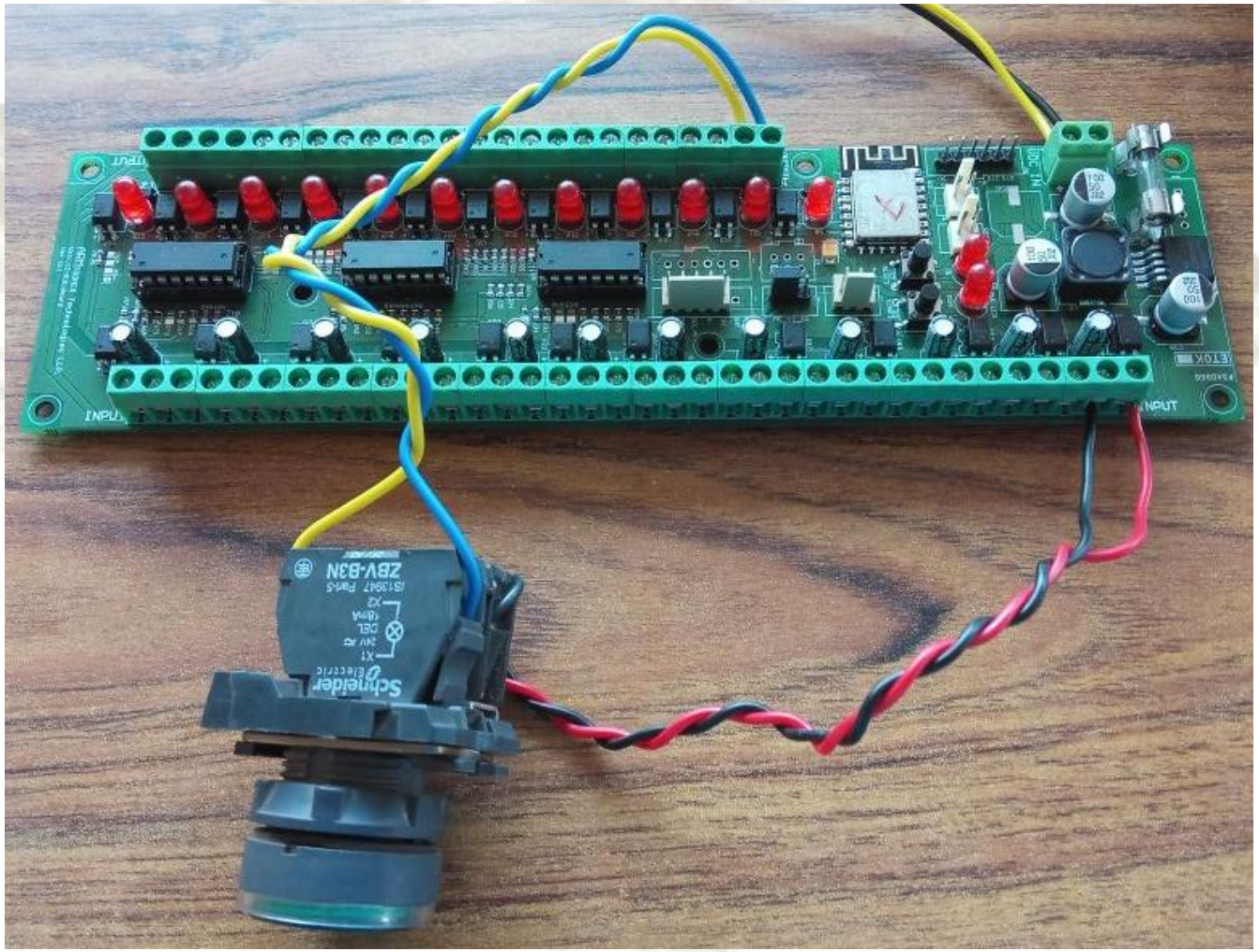


Example Connections



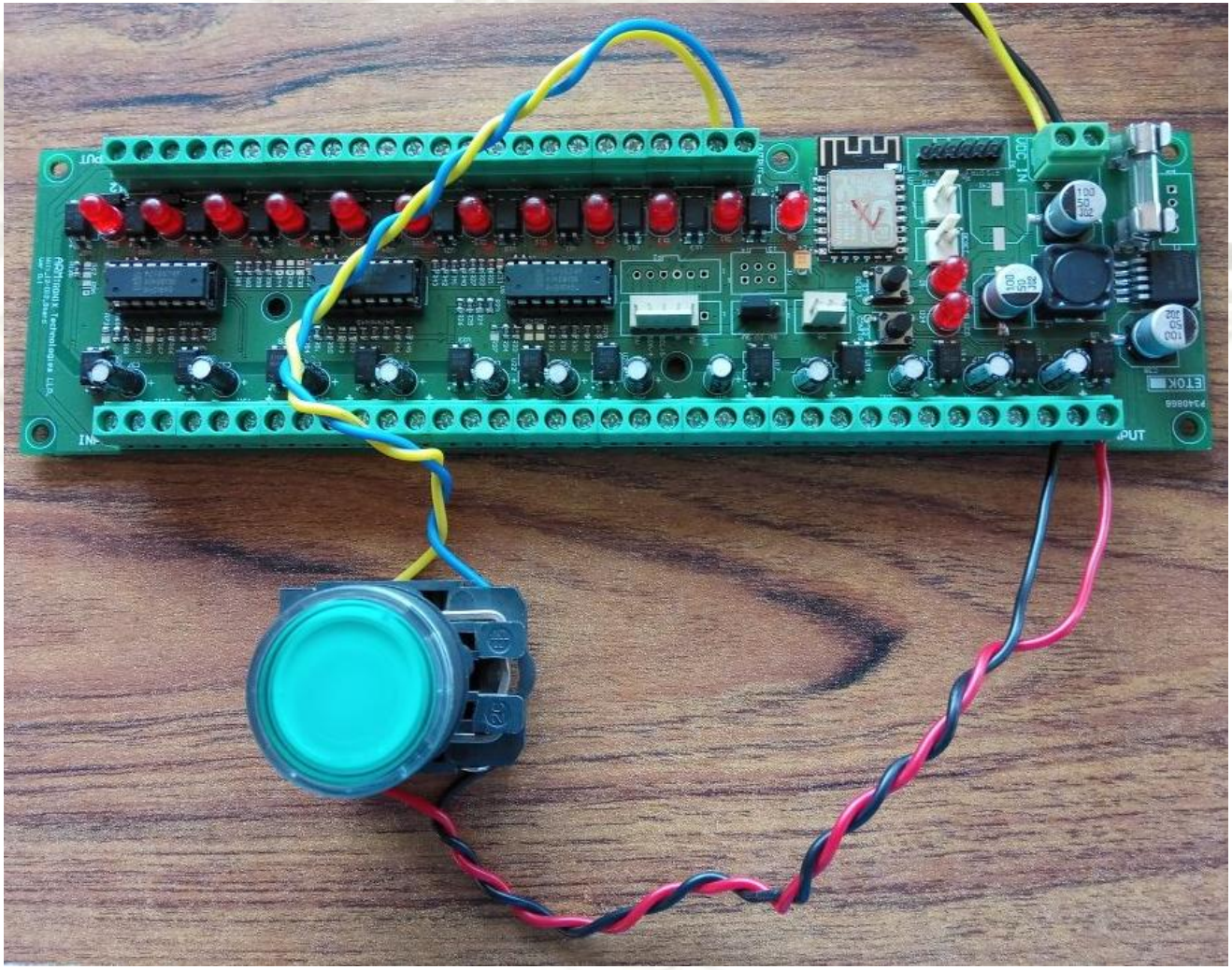
- **Schneider Pushbutton connected as input.**

Continued……



- **Schneider 24 V DC Lamp connected to Output.**

Continued……



Thank You