```
                    ┌─────────┐
                    │  Start  │◄──────────┐
                    └────┬────┘           │
                         │            No  │
                         ▼                │
                   ╱───────────╲          │
                  ╱ Check Module ╲────────┘
                  ╲ is connected  ╱
                   ╲ or not      ╱
                    ╲───────────╱
                         │ Yes
                         ▼
        Yes      ╱───────────────╲      No
    ┌───────────╱ User Want to turn ╲───────────┐
    │           ╲ ON /OFF device     ╱          │
    │            ╲ with button       ╱          │
    │             ╲───────────────╱             │
    │                                           ▼
    ▼                                     ╱───────────╲
Take input from          Yes            ╱ User want to ╲      No
the user which      ┌──────────────────╱ set time for  ╲──────────┐
device user want    │                  ╲ devices        ╱         │
to control          │                   ╲──────────────╱          │
                    │                                             ▼
                    ▼                         Yes          ╱───────────╲
             Take Time input from        ┌──────────────╱ User want to  ╲  No
             the user when user          │              ╲ set timer for  ╱
             want to On/Off              │               ╲ devices      ╱
             Devices                     │                ╲───────────╱
                    │                    ▼
                    │            take input from the
                    │            user after how long
                    │            the user wants to
                    │            turn On/Off the device
                    │                    │
                    └────────┬───────────┘
                             ▼
                    Send User data to Module◄────────┐
                             │
                             │
                             ▼
                          ┌───────┐
                          │  End  │◄─────────────────────
                          └───────┘
```

Start

Check Module is connected or not

No

Yes

User Want to turn ON /OFF device with button

Yes

No

Take input from the user which device user want to control

User want to set time for devices

Yes

No

Take Time input from the user when user want to On/Off Devices

User want to set timer for devices

Yes

No

take input from the user after how long the user wants to turn On/Off the device

Send User data to Module

End

OFF

ON

ON

OFF

○ 1   ◉ 2   ○ 3   ○ 4   ○ All
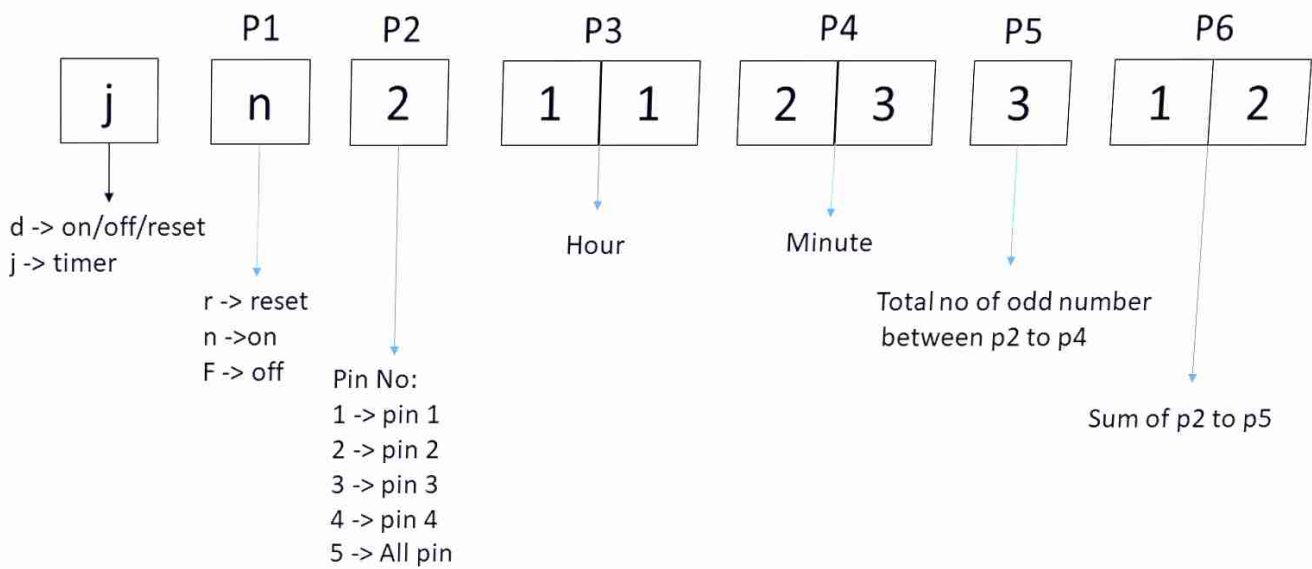
◉ Off   ○ On   ○ Reset

◉ On Time   ○ Timer

5   2   ◉ AM
           ○ PM

SET

	P1	P2		P3		P4		P5		P6	
j	n	2	1	1	2	3	3	1	2

d -> on/off/reset
j -> timer

r -> reset
n ->on
F -> off

Pin No:
1 -> pin 1
2 -> pin 2
3 -> pin 3
4 -> pin 4
5 -> All pin

Hour

Minute

Total no of odd number
between p2 to p4

Sum of p2 to p5

Ex : jn30045214

OFF

ON

ON

OFF

◯ 1 ● 2 ◯ 3 ◯ 4 ◯ All

◯ Off ◯ On ● Reset

Hour

Minute

SET

4

ON

SET
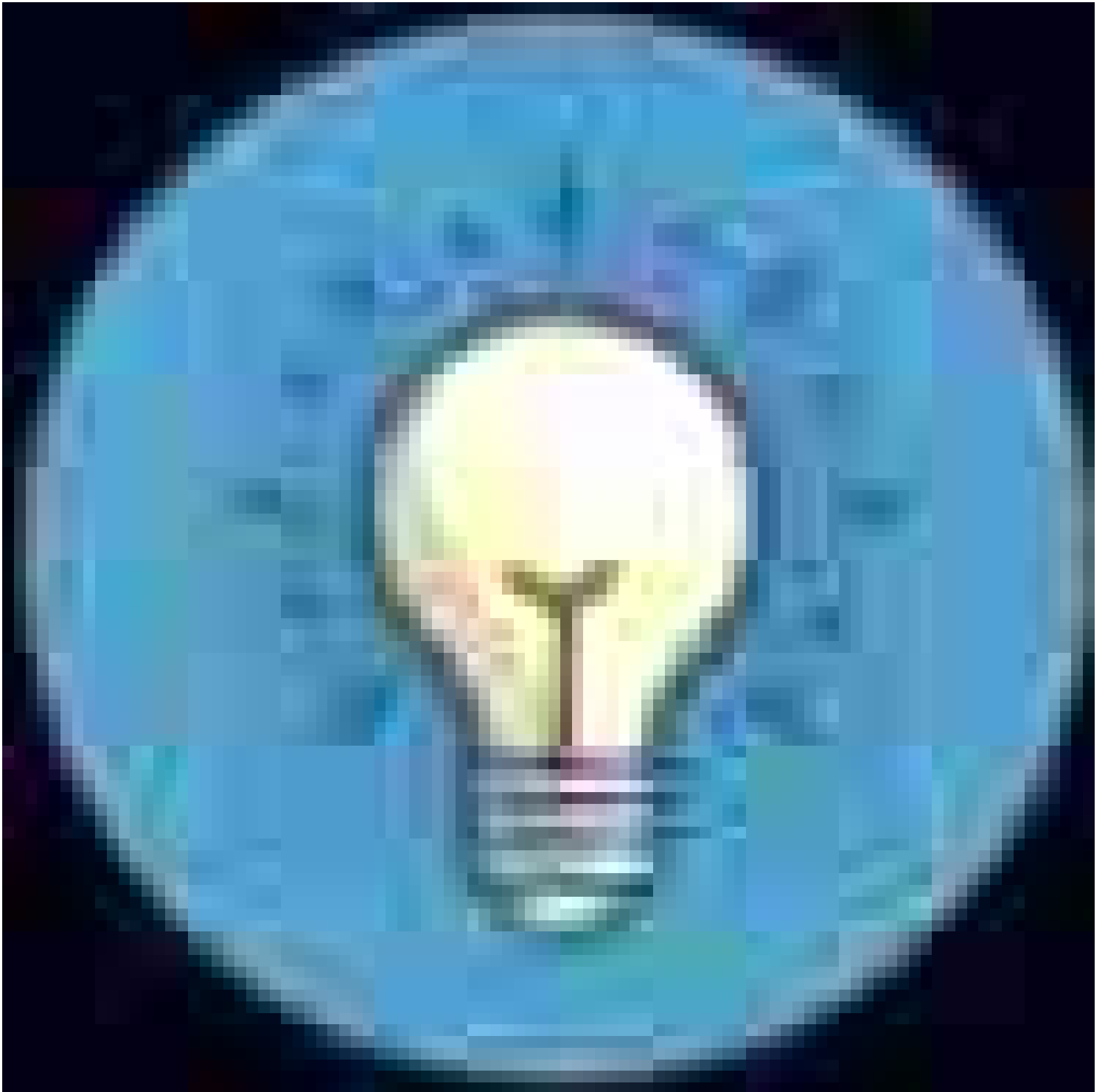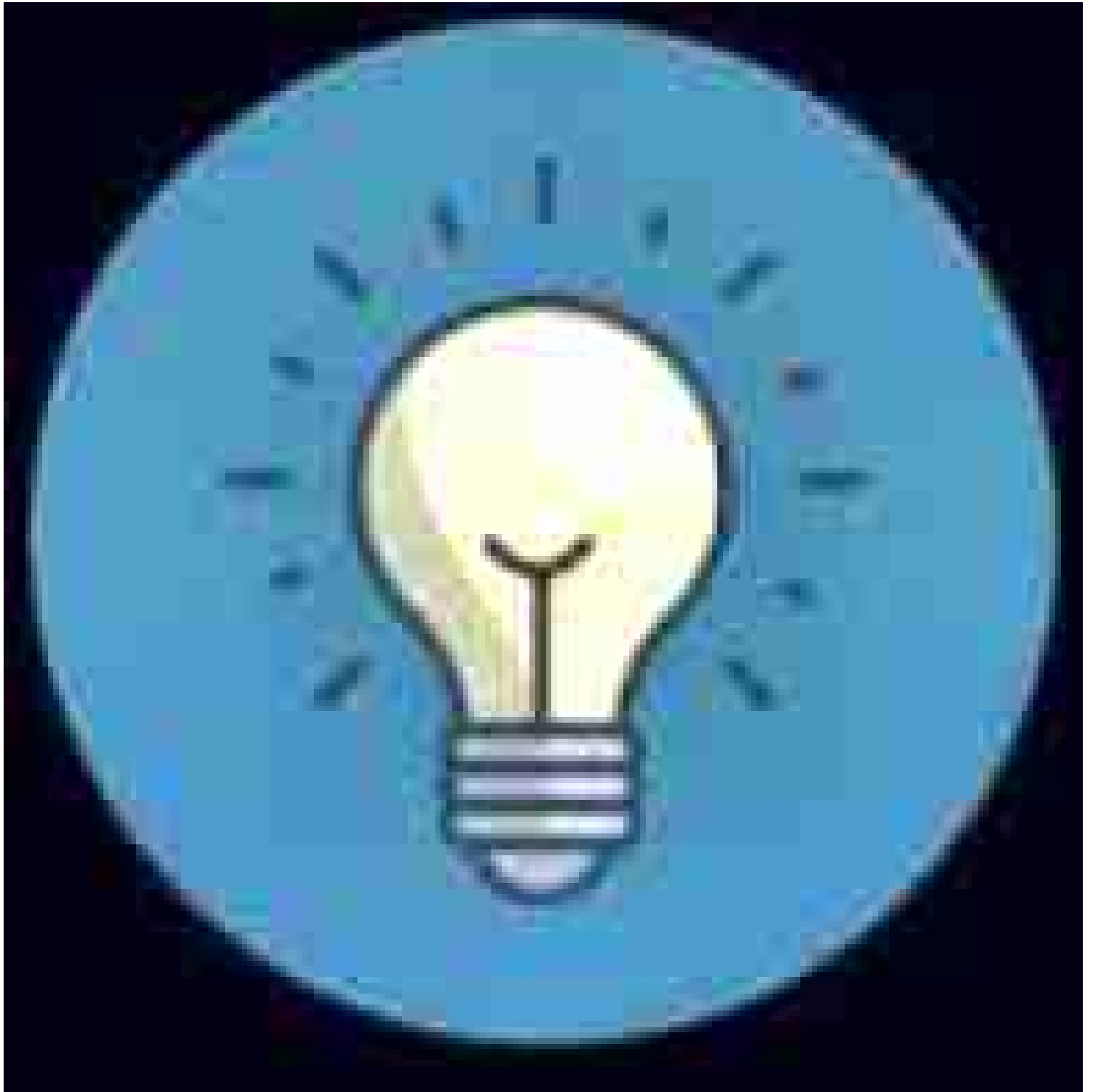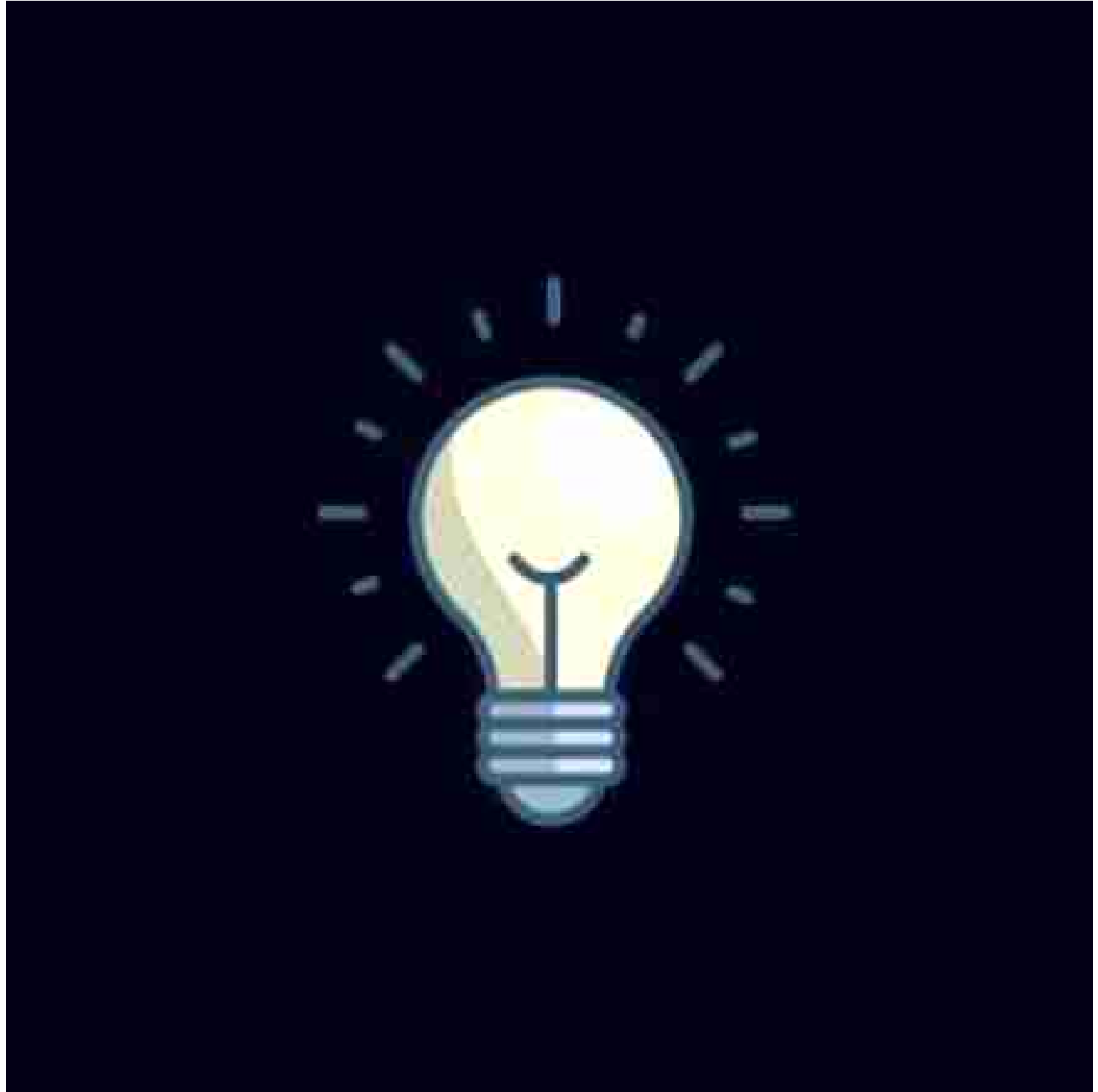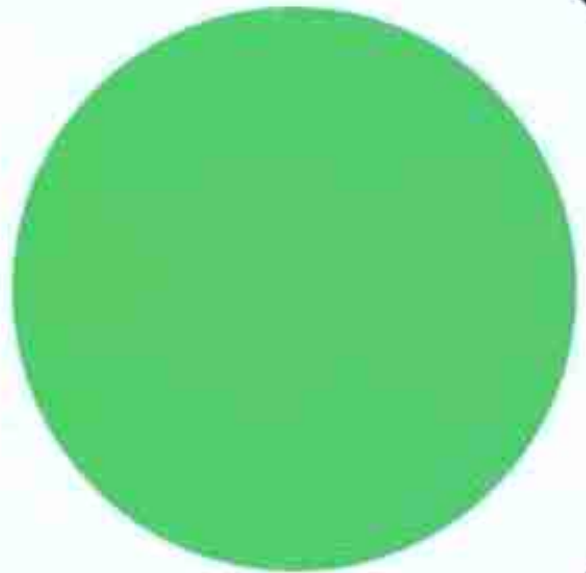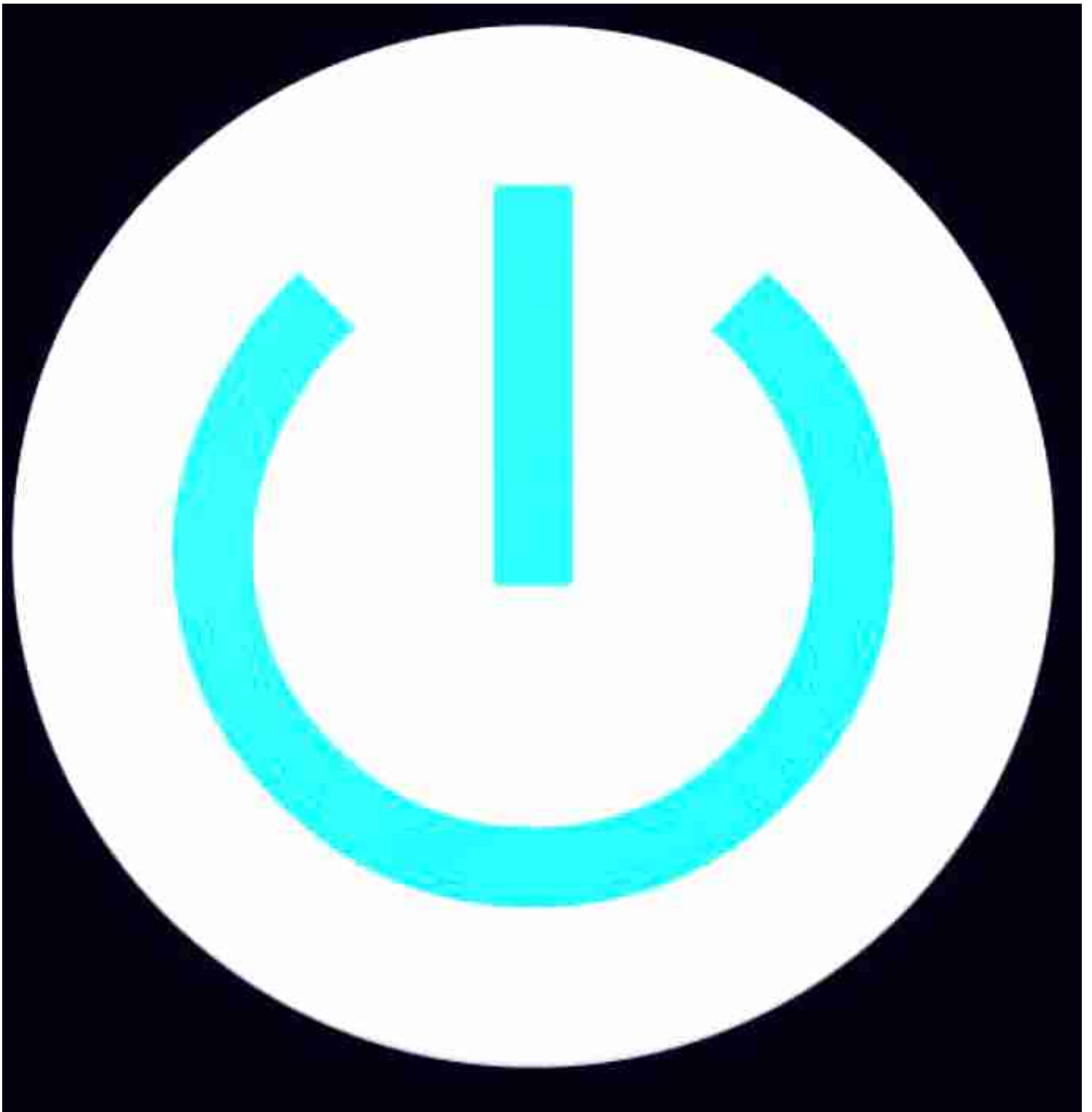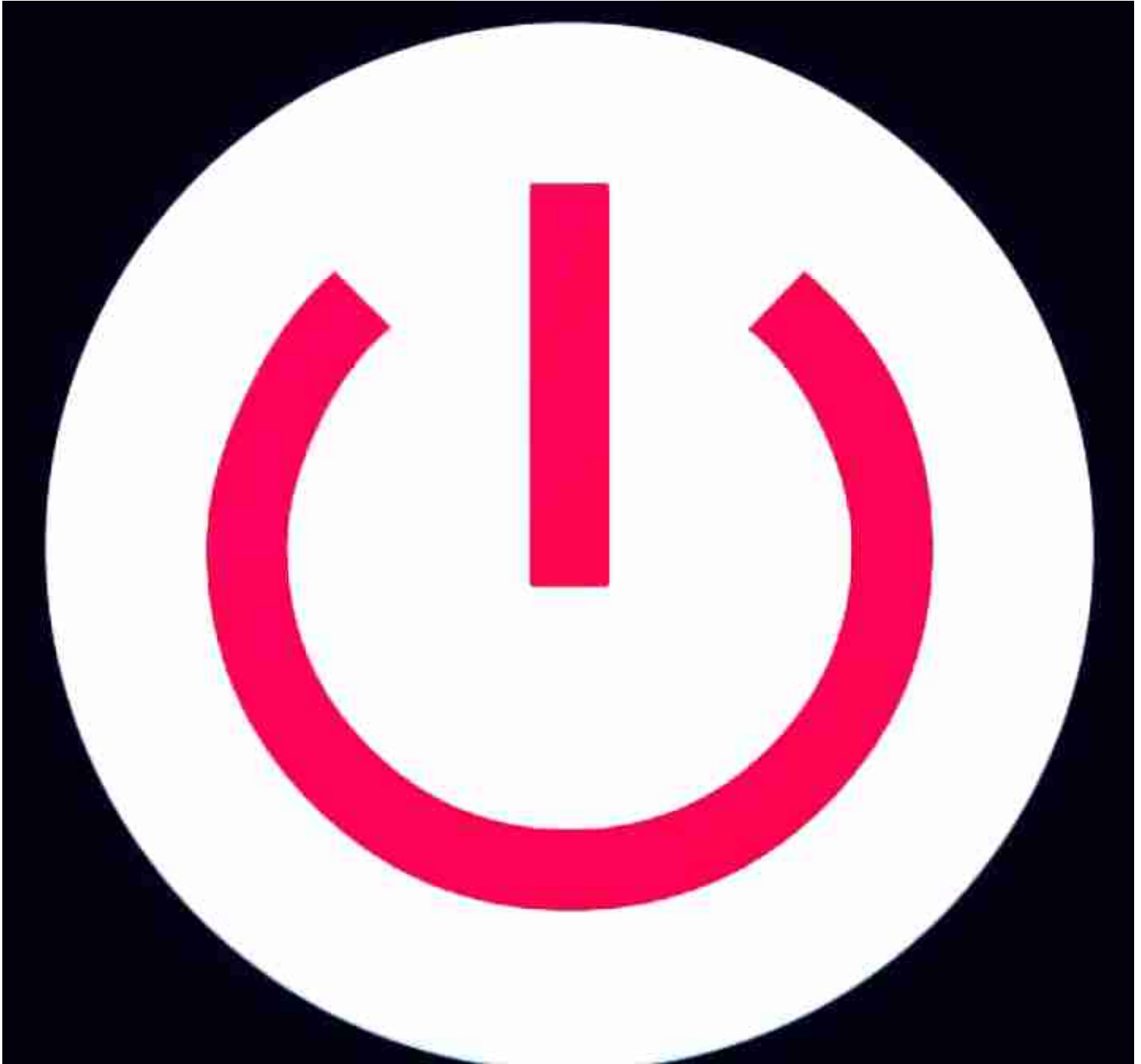
Smart Controller Module

OFF

ON

ON

OFF

○ 1   ◉ 2   ○ 3   ○ 4   ○ All

○ Off   ◉ On   ○ Reset

○ On Time   ◉ Timer

5   2

SET