HDL®

Logic module
HDL-Mclog.431

Description

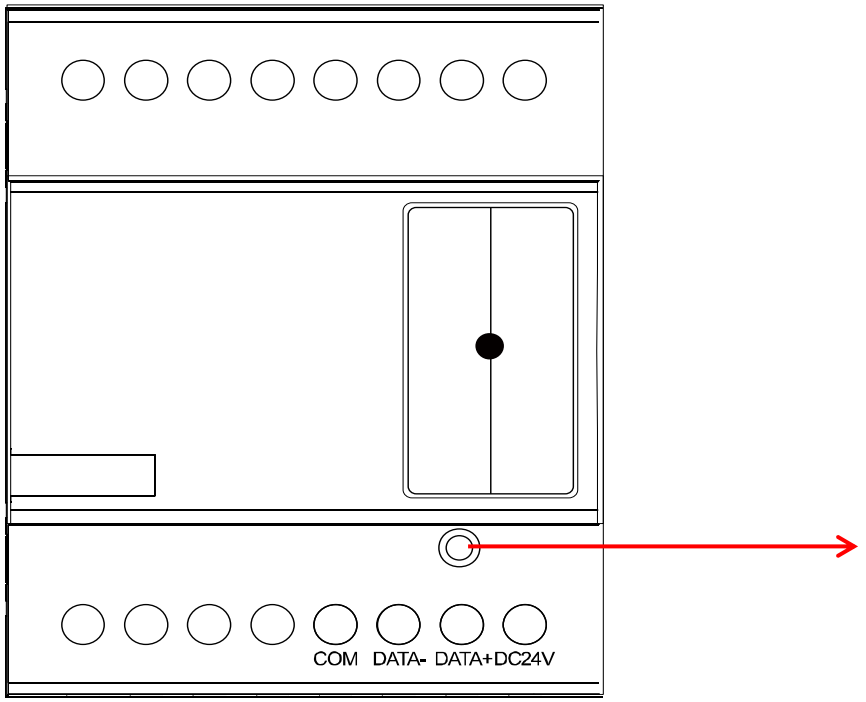
HDL-Mclog.431 is an intelligent programmable logic controller, it can control the system automatically by logic lines such as: scene, channel status, input status, date, time and so on…. And moreover it has real-time clock so you can build up your own schedules too…

Functions

- Supports 12 logic groups and each group have 20 logic tables.
- Each logic table can set 4 logic input condition and 20 input targets.
- Logical table input condition: Time, Date, Year, Week, Scene working status, external device input status, Wall panel status, and security setting.
- Logic relation: AND, OR, XOR, NAND

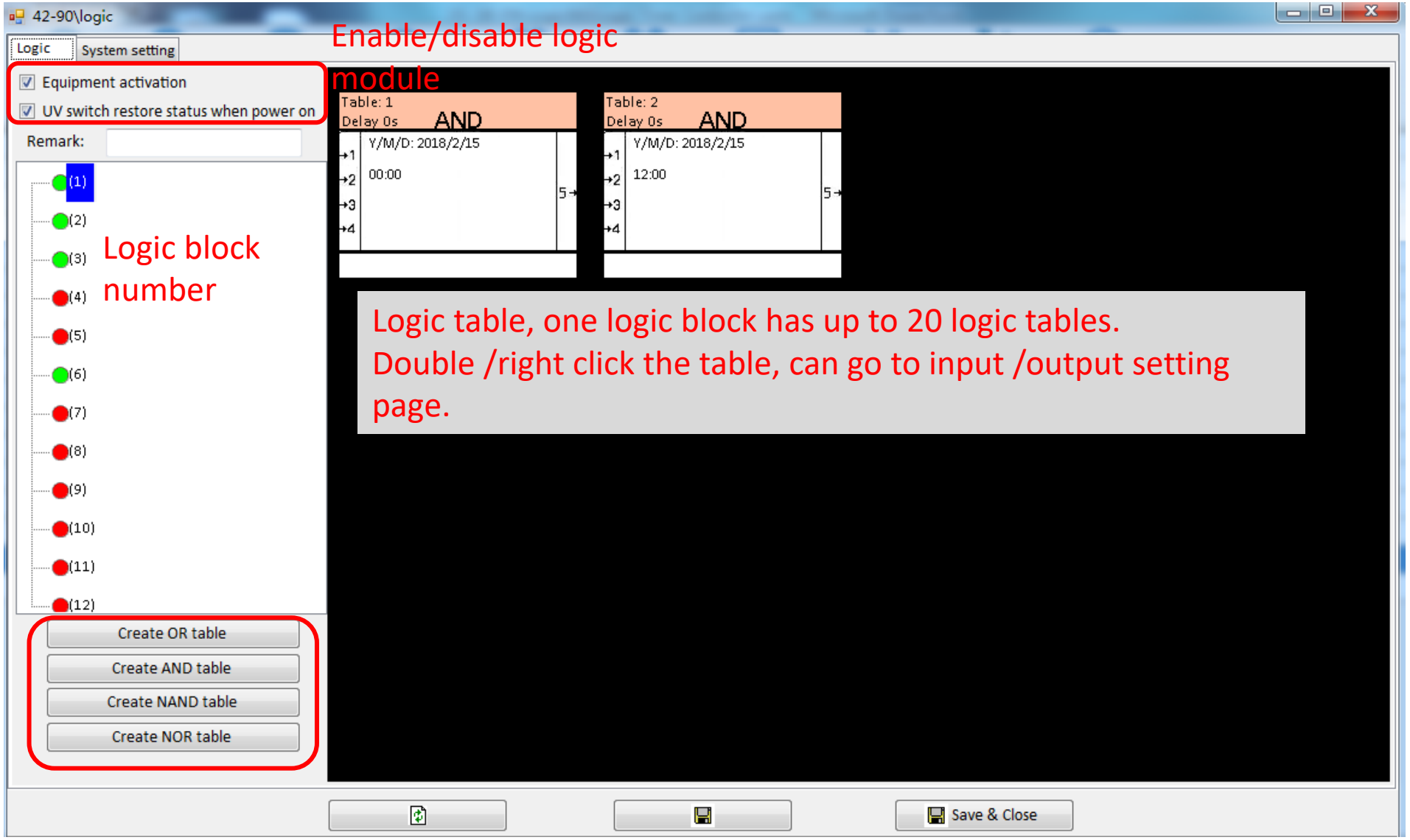
Wiring

it has only HDL interface. It is shown as below



Keeping pressing this button for 3s, you can read and modify the address by HDL software

Main page


42-90\logic
Logic
System setting
Equipment activation
UV switch restore status when power on
Remark:
(1)
(2)
(3)
(4)
(5)
(6)
(7)
(8)
(9)
(10)
(11)
(12)
Create OR table
Create AND table
Create NAND table
Create NOR table
Enable/disable logic module
Table: 1
Delay 0s
AND
Y/M/D: 2018/2/15
00:00
Table: 2
Delay 0s
AND
Y/M/D: 2018/2/15
12:00
Logic block number
Logic table, one logic block has up to 20 logic tables.
Double /right click the table, can go to input /output setting page.
Save & Close

Input conditions

There are many input conditions that will be used to reach any possible logic, each logic table can have maximum of four input conditions.

a) Year type:

b) Date type:

e) Universal switch:

f) Exterior input value:

g) Device scene status:

h) Device sequence status:

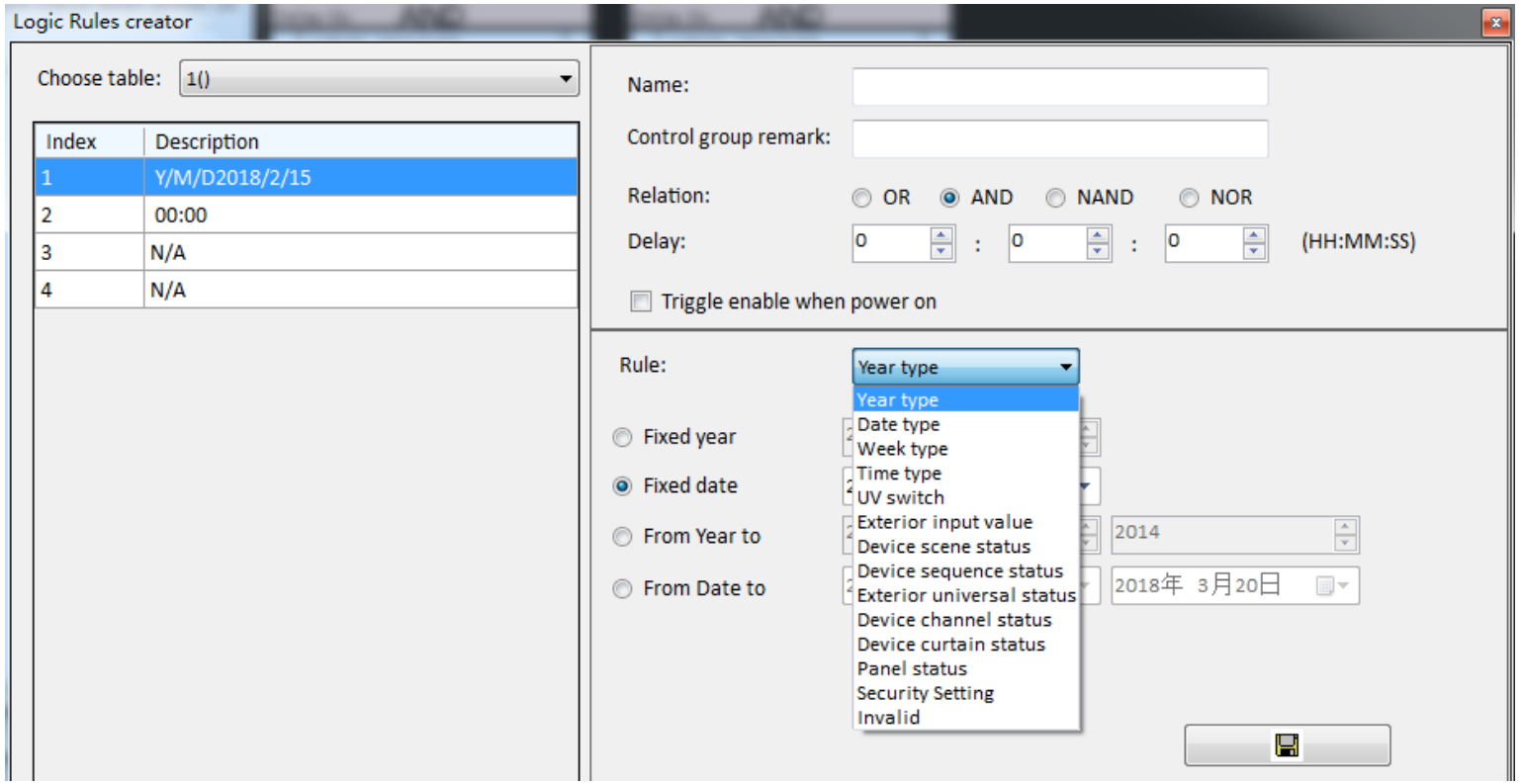
i) Exterior universal status:

j) Device channel status

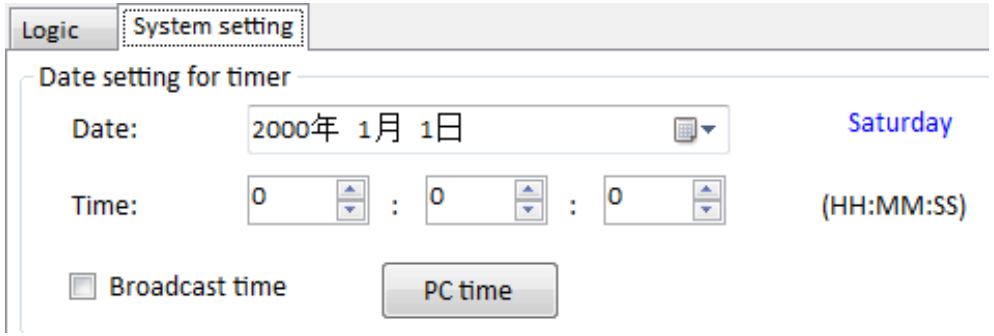
k) Device curtain status

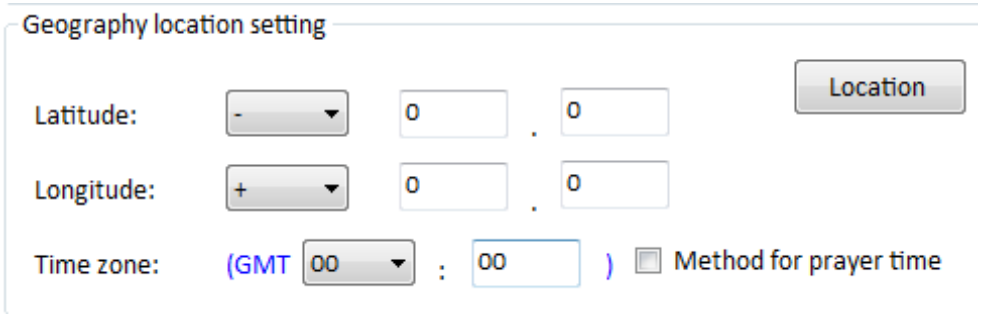
l) Panel status:

m) Security settings:



System setting





A. **<u>Date settings for timer:</u>** The module has the clock, you need to set the time settings before using this module.

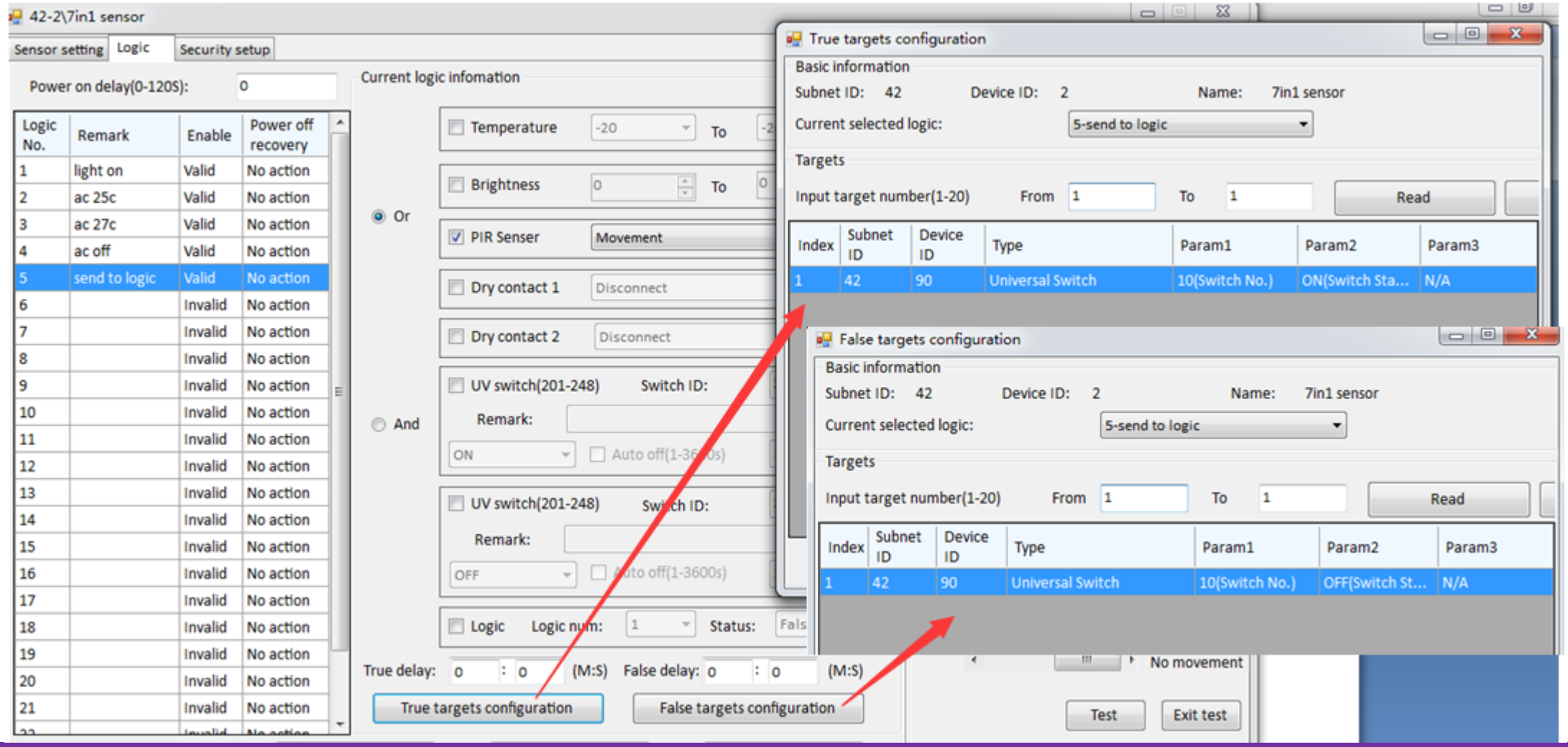
B. **<u>Geographic location settings:</u>** You can also set the particular point of your place on the surface by setting the latitude (LAT) and longitude (LONG) points, or you can just find your country and city in the system by clicking on “location”.

Application

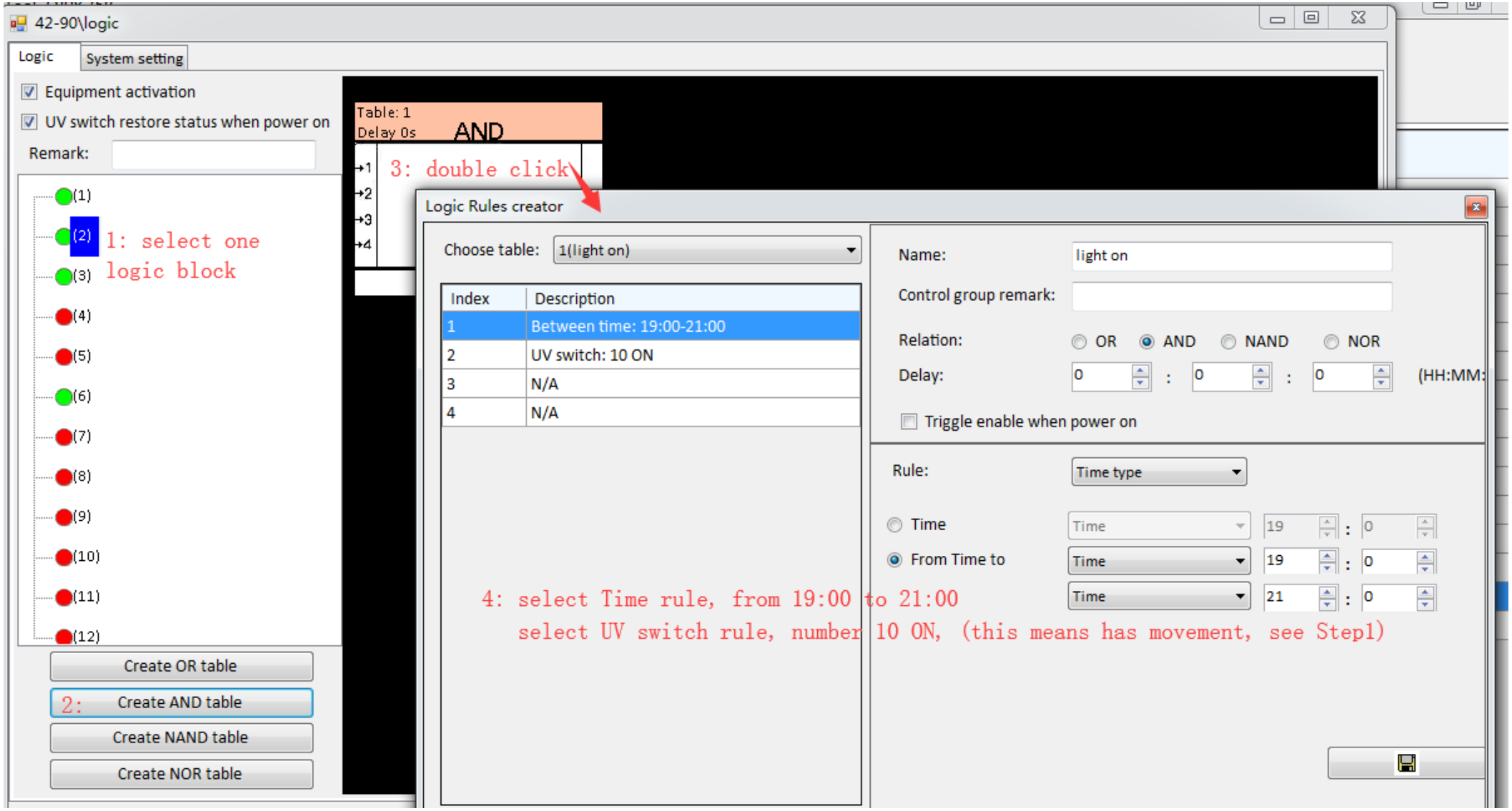
Simple Example: At 7:00pm-9:00pm, when people come into the room, the light will be on. When no people, delay 3 minutes then light will be off.

Using modules: Sensor, Logic module, Lighting control module (Dimmer or Relay)

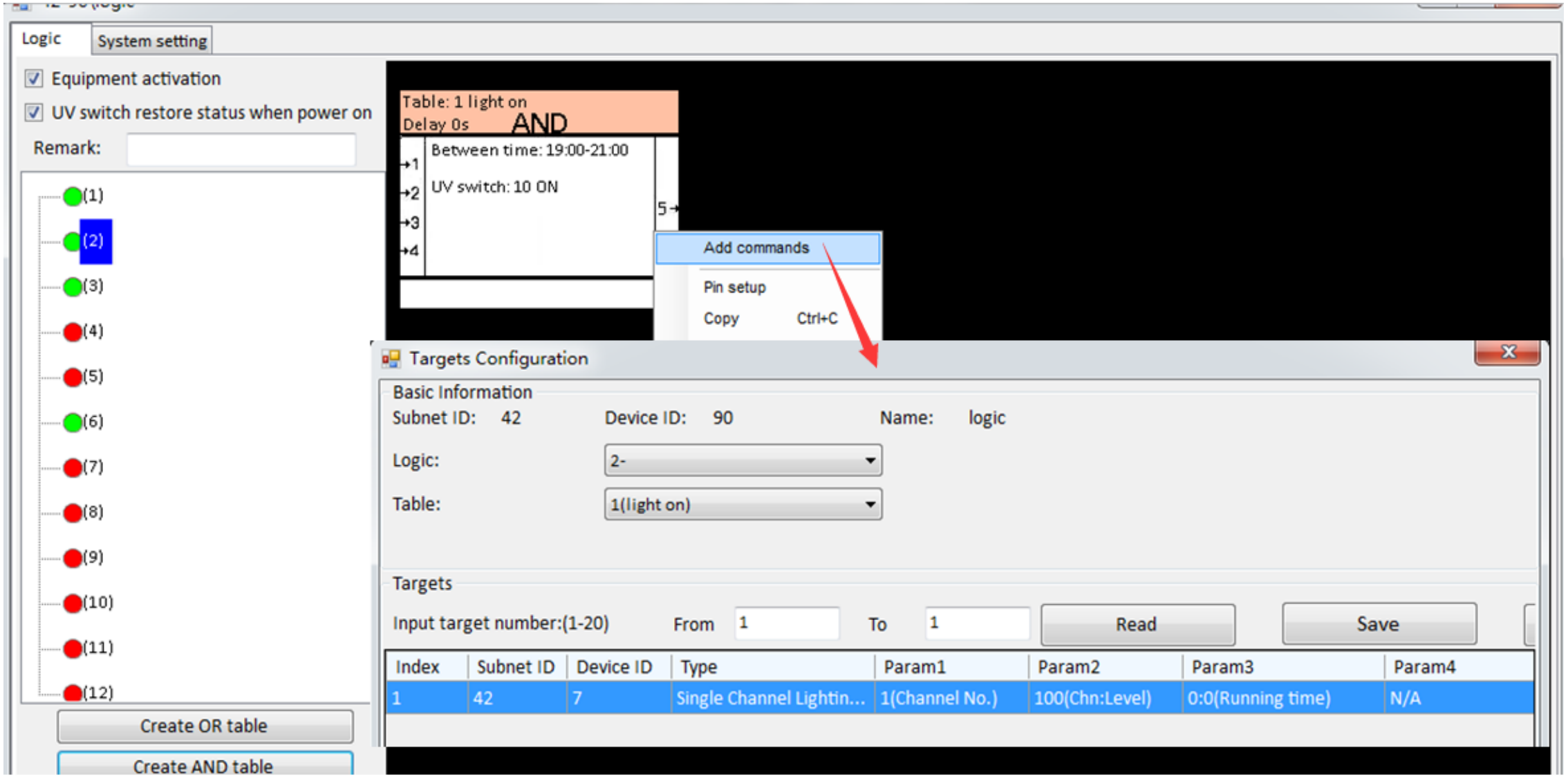
1: Sensor setting, if the sensor detect the moment, send “UV switch 10 ON”to Logic module. if no moment, send“UV switch10 OFF” to Logic module.(logic number5)



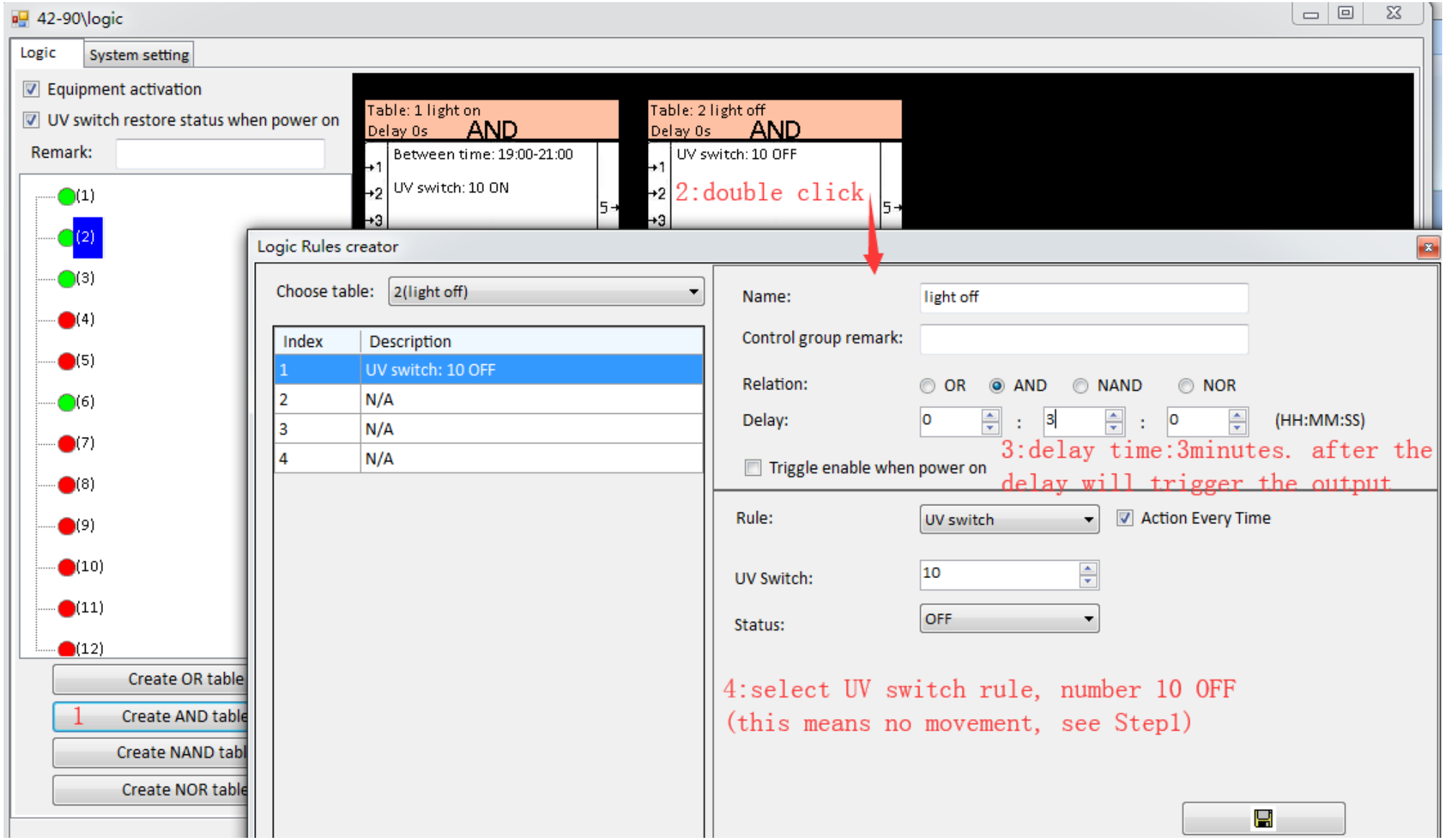
2: logic module: create a AND table for light on



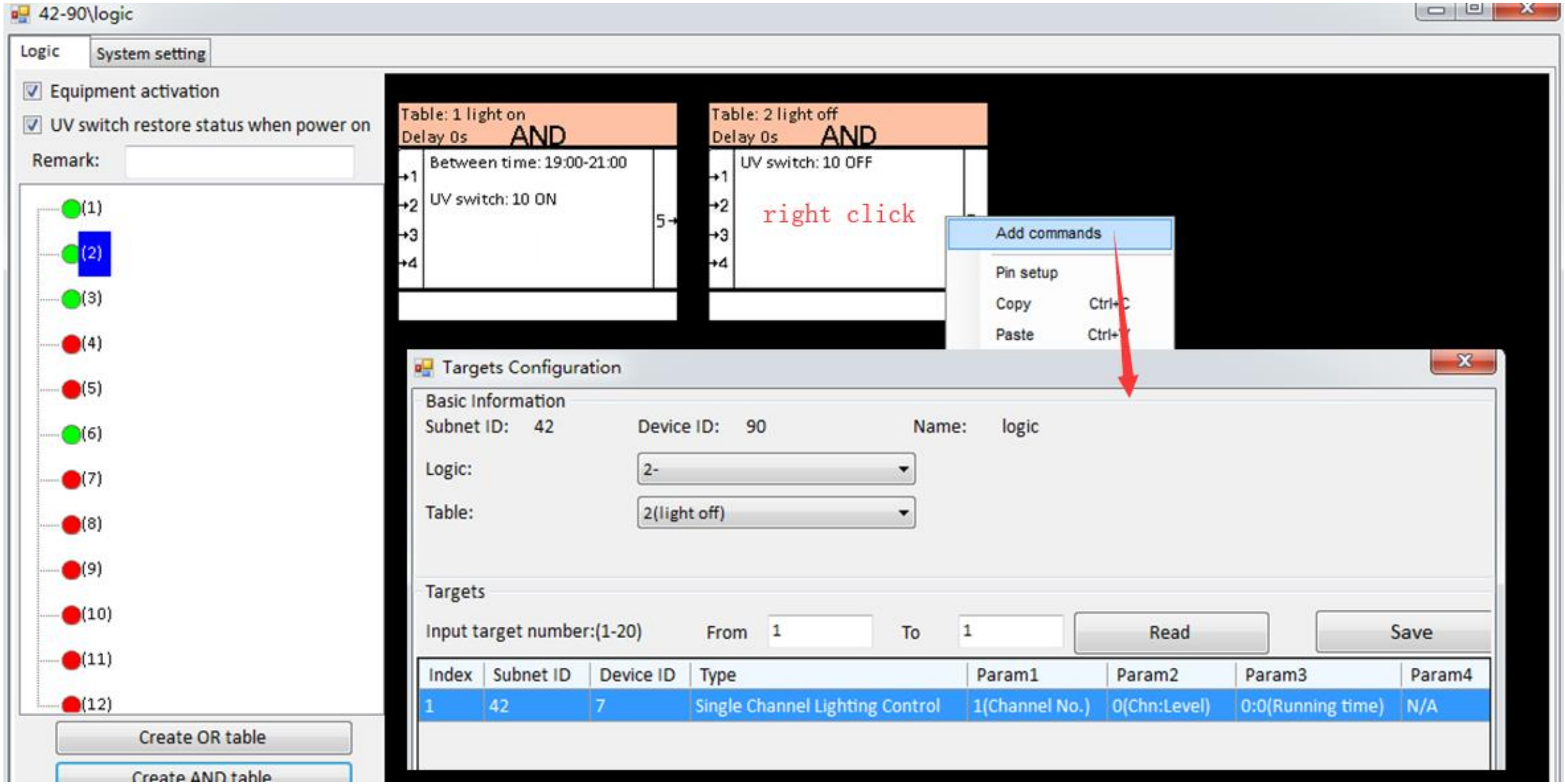
3: logic module: output trigger light on



4: logic module: create a AND table for light off



5: logic module: output trigger light off



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