Crevavi

Smarty

Quick Reference Guide
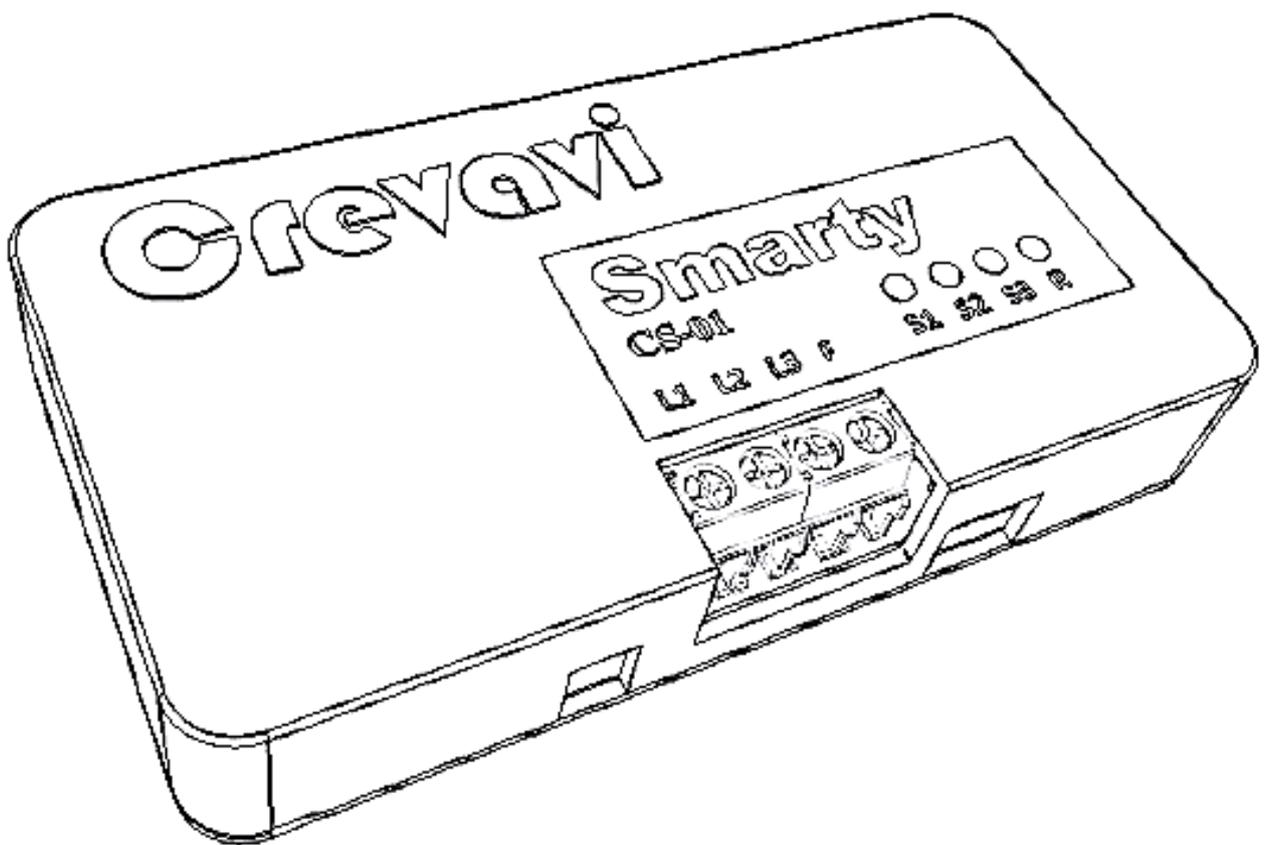
Version: 1.2

Download Smarty App

1. Introduction

Crevavi Smarty – A smart switch to provide automation to any and every house lighting applications. It can retrofit into any of the existing switchboards and you can use your smart phone to operate light or fan switches.

There are 2 parts in Smarty solution…

❖ **Smarty box** fits inside most traditional switch boxes, and attach to existing wiring.

❖ **Smarty app** is to control the lights/fans that are connected to the smarty box.

2. Product Functionality

❖ **Smarty-Box**

- Connects to switches, lights and fans (Connection explained in section 3)

- Takes input from mobile app, and switches on/off the lights/fans, it also can regulate speed of fan on the dedicated regulator port

- It reads the physical switch status, and controls light/fans based on that input too. All switches connected to smarty, becomes 2-way switch.

❖ **Smarty App**

- Home

    - User can create "groups", like Bedroom, Hall, Kitchen, etc. Where multiple devices could be connected to one/more which boards

    - Once smarty is configured (process explained in section 4.1), it shows the group on home screen

    - Touch on a group connects to the smarty-boxes (within proximity) configured for that group, and app shows a control panel with switches connected

- Control Light/Fan

    - Each connected switch shows their individual status on screen

    - On click, it changes the output state of the switch, and once change is successful, updates the status on screen

- Manage

    - Each smart-boxes need to be paired with the app, and switches can be configured with a user-friendly interface

    - Icons and names for each group and switch are configurable

- Switches can be scheduled for ON/OFF at a scheduled time, 3 schedules per switch can be configured.

3.Warning

o Any work with AC mains must be done by trained professional

o Main switch must be switched off before performing any wiring

o Internal parts of the device conduct high voltage AC / DC current. Under No circumstances user should open the device housing

o Electrocution can cause Fatal injuries

4. Wiring

Smarty box fits inside most traditional switch boxes, and attach to existing wiring. There are three types of wires to be connected

o Light/Fan outputs – on an existing switch-board light/fan wires are connected to switches, remove them from switch, and connect them to output terminal of smarty.

o Switch Inputs – Connect those switches to the input wires

o Line and Neutral – power supply to the smarty box

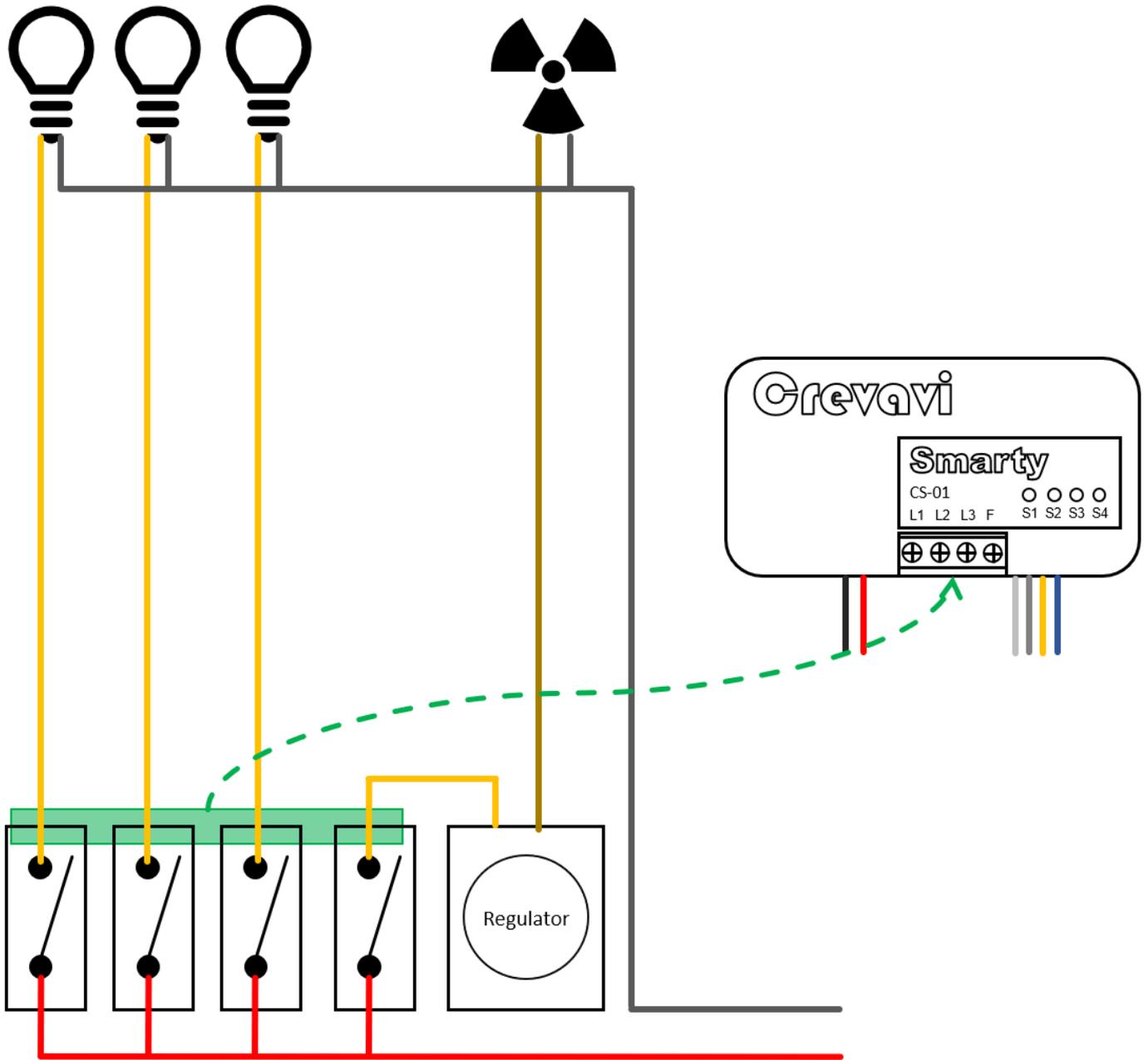**Step-1:** Switch off Mains, and make sure there is to power on the Mains Line and Neutral

Step 1

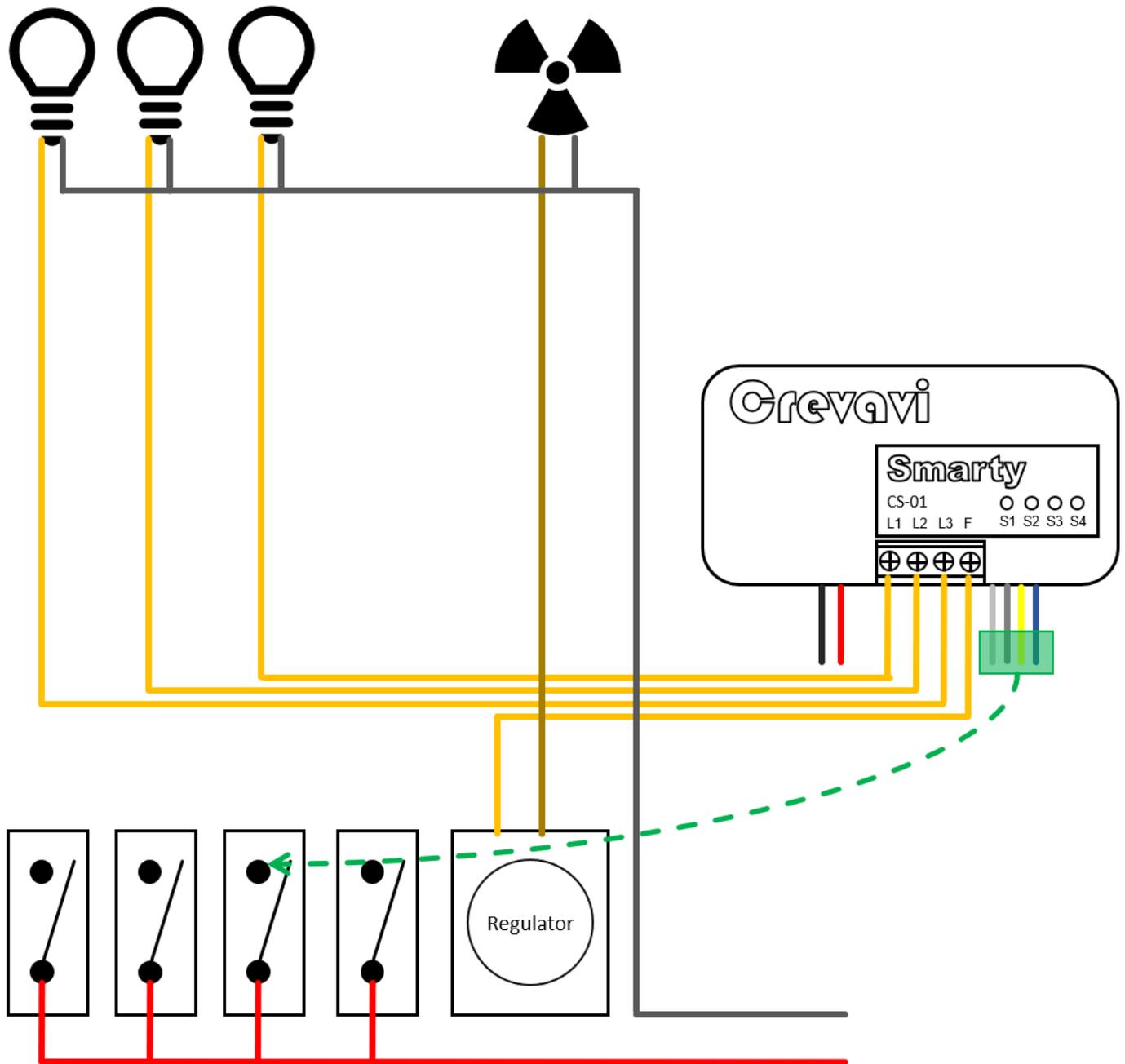**Step-2:** Open the switch board, and note the connections
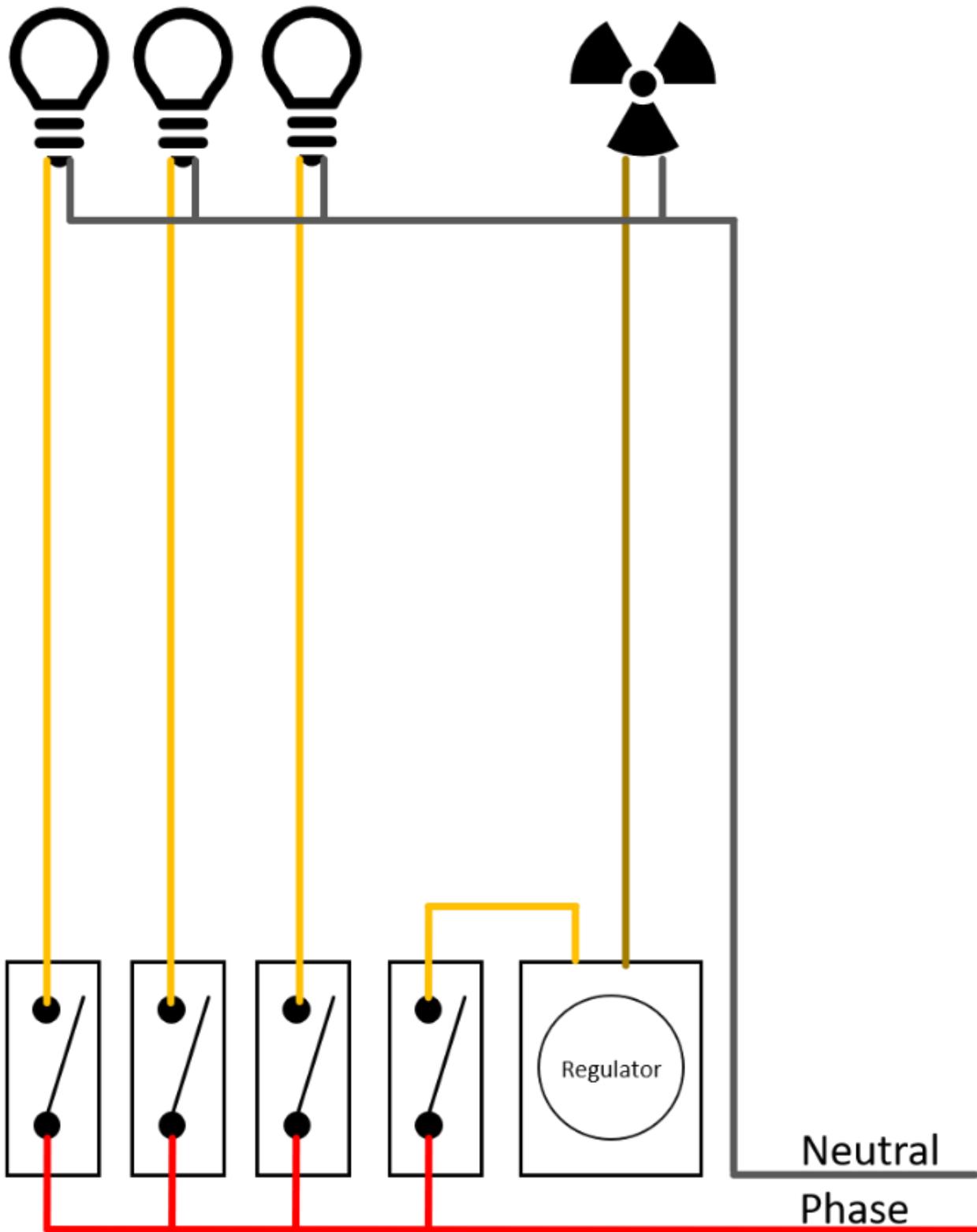
Step 2

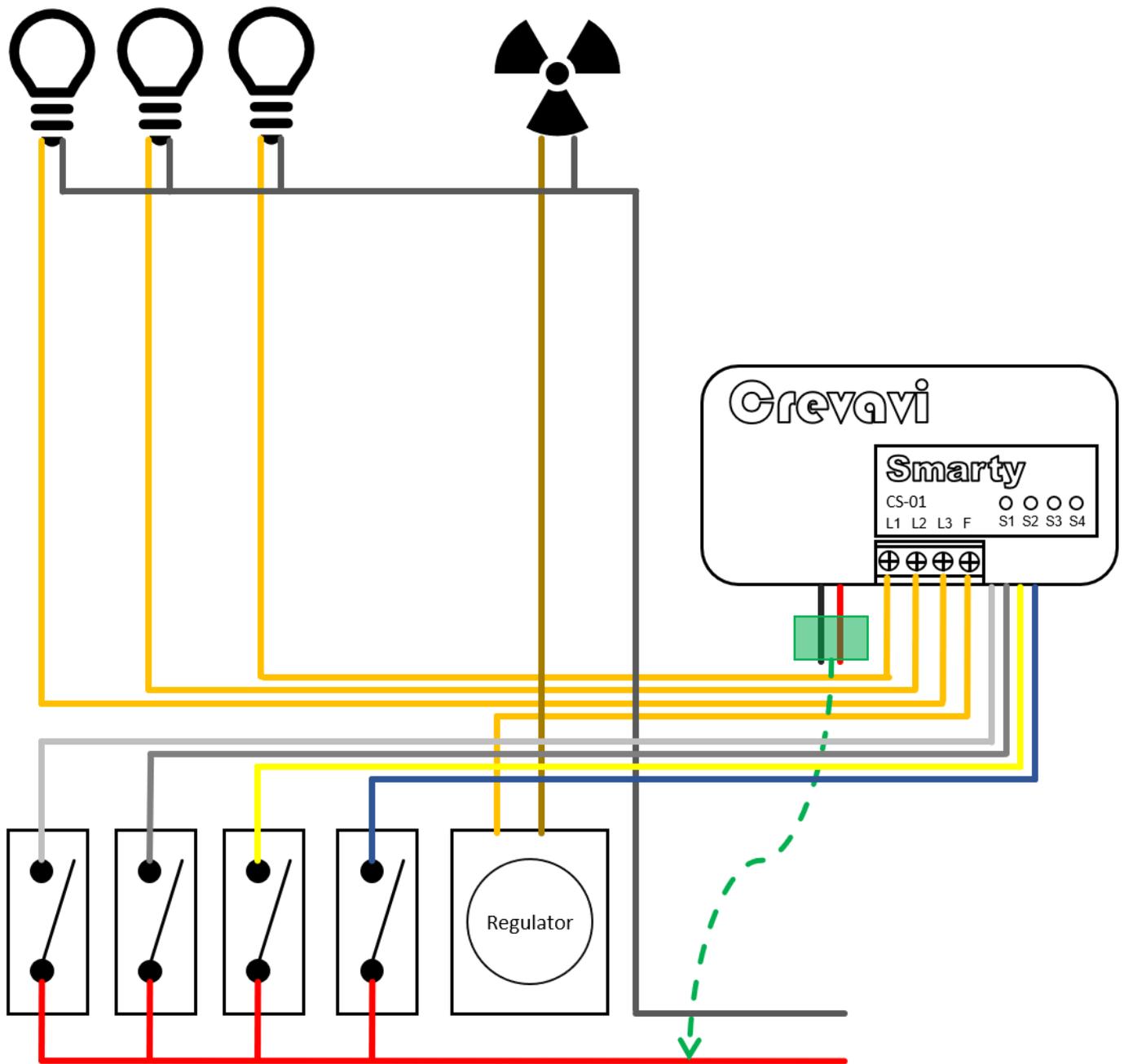**Step-3:** Remove the light/fan wires from switch

Step 3

Step-4: Connect these disconnected wires to smarty L1, L2, L3, and R terminals
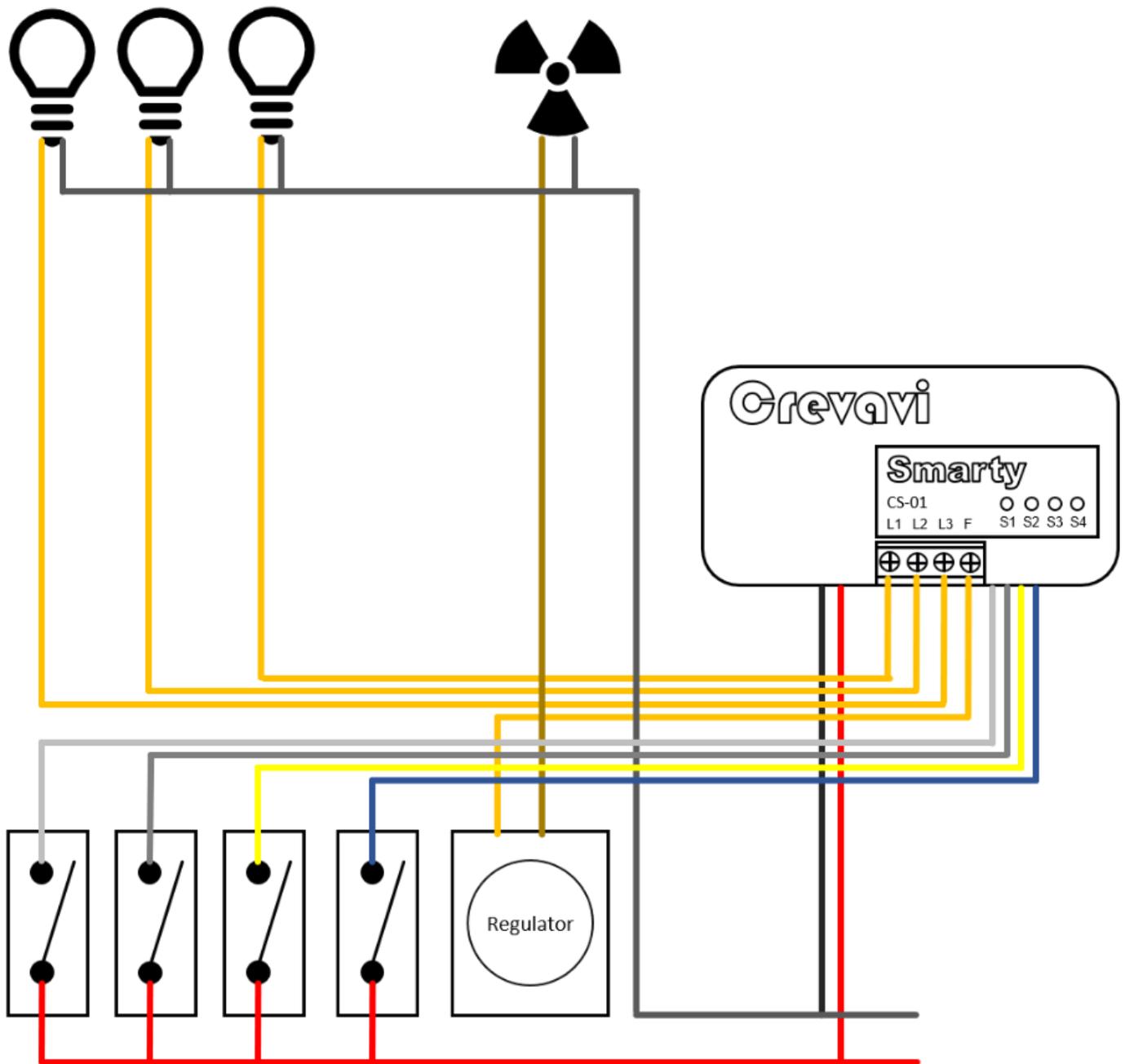

Step 4

Step-5: Connect the switches to input S1, S2, S3, and F wire

Step 5

Step-6: Connect Phase and Neutral

Finish: Make sure there are no open wires. Close the switch box, and Switch on Mains

5.Smarty App

Download and install the Smarty app from google play – search for "Crevavi Smarty", or scan the QR code on front page to directly get the google play link for the app. Install and Open the App

5.1. Configuration:

For first time usage, the smarty-box(s) need to be paired with the app:

✓ **Step-1:** Open Menu -> Manage Groups

✓ **Step-2:** Press on "New Group" icon on right top corner of screen

✓ **Step-3:** You may press on the new group icon and name to modify it. Select a suitable icon for your group and name it.
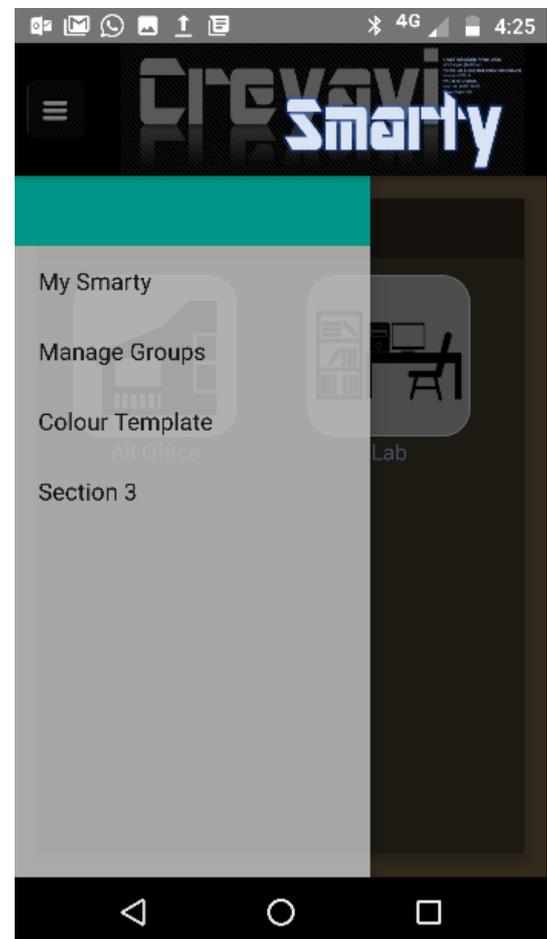
✓ **Step-4:** Press on "Add Device" icon on top of screen to pair a Smarty box. This process with scan for available smarty boxes and connect automatically to the one which is within 1ft proximity. You may touch the screen for manual configuration. In case of manual configuration, the screen will show the devices in the proximity, and list the device IDs.

o Find your device ID on back of Smarty / packaging. Select the one you are willing to Pair.

o For pairing process to complete you need to be within 1ft of the Smarty-box.

o Once pairing and syncing is over, the screen will display switches available on the device

o You may add multiple devices in the same group (up-to 6 per group)

o Press OK at top-right corner to save the configuration
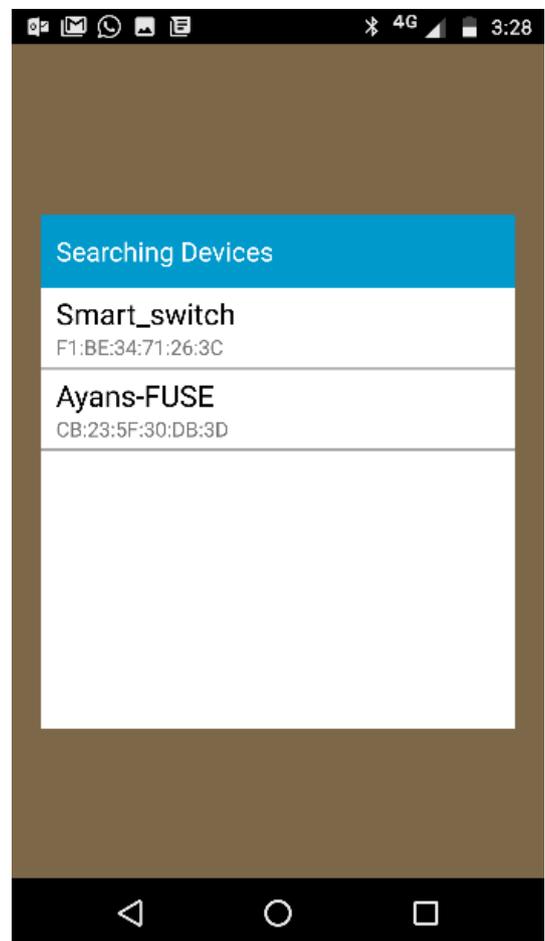
✓ **Step-5:** You may press on each of the switches icon and name to modify it. Select a suitable icon for each your switch, and name them.
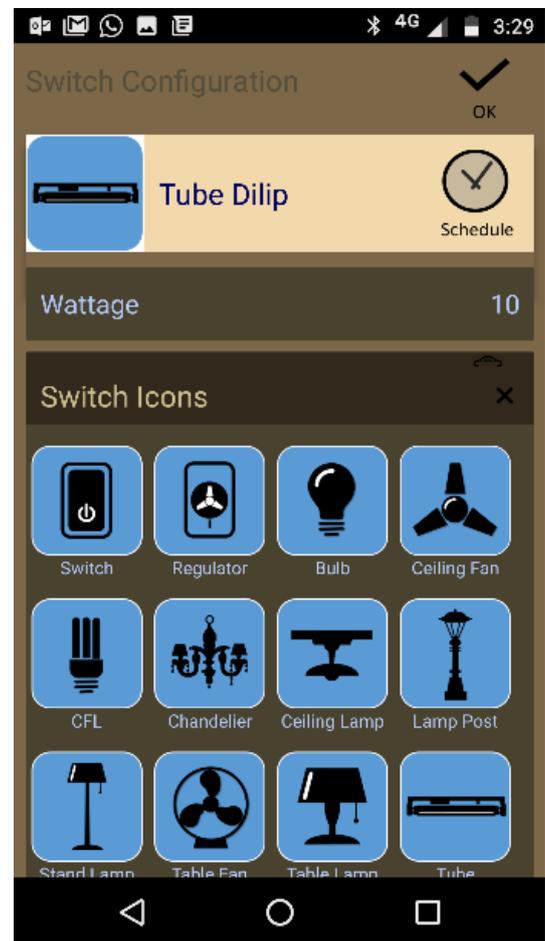
✓ **Step-6:** Schedule for each switch can be configured here by pressing the schedule button on right side of switch name.

- o You can set an On-time in Manual mode, and On-time and Off-time both in Auto mode

- o In manual mode the switch goes ON at scheduled time, and doesn't go off automatically

- o In Auto mode, it goes ON at scheduled On-time, and automatically goes OFF at the scheduled Off-time.

Note: Smarty is capable of monitoring utilization of each light/fan connected to it. It is recommended to enter the

wattage of the light connected to individual switches by pressing on the wattage field. This will provide more accurate utilization data.

5.2. Operation

✓ Smart app shows the groups configured on home screen

✓ Touch on a group to connects to the smarty-boxes (within proximity) configured for that group, and app shows a control panel with switches connected

✓ Each connected switch shows their individual status on control panel screen

✓ On click, it changes the output state of the switch, and once change is successful, updates the status on screen
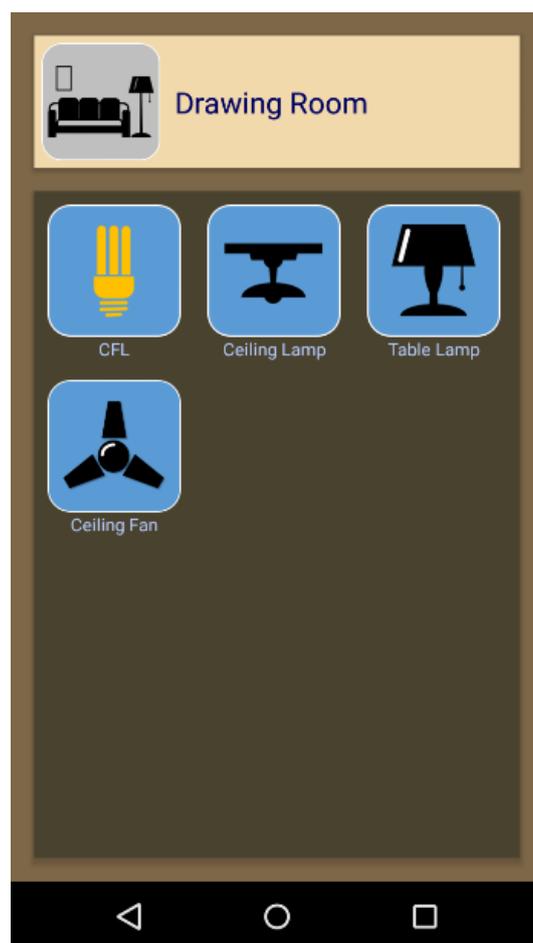
For support, please contact us

Visit: www.crevavi.com/smarty

Call us: +91 821 2518805

Mail us: contactus@crevavi.com