

# ***SwiGO SuperSmart*** Specification

## Specifications

| Description                                 | Value                                    |
|---------------------------------------------|------------------------------------------|
| Rated Voltage                               | 250V AC 50Hz                             |
| Maximum Switching Voltage                   | 290V AC                                  |
| Maximum Withstand Voltage                   | 440V AC                                  |
| Maximum Operating Current(Built-in)         | 20A/3HP, 5kW                             |
| Maximum Operating Current(With external CT) | 40A/30HP Three phase                     |
| Cut-Off Voltage                             | Lower than 170V AC & Higher than 290V AC |
| DC Output for Float Switch                  | 5V DC                                    |
| Mounting Method                             | Flush/Surface                            |
| Suitable for                                | Indian 2 module box                      |
| Conforms to standard                        | IS/IEC 60669-2                           |
| Color                                       | White                                    |
| Warranty                                    | 1 Year                                   |
| Product Weight                              | 225gms                                   |
| Product Dimensions                          | 87 x 87 x 45 mm                          |
| Terminal Size                               | 2.5 square mm x 2                        |



# SwiGO SuperSmart: Setting the Device up first time

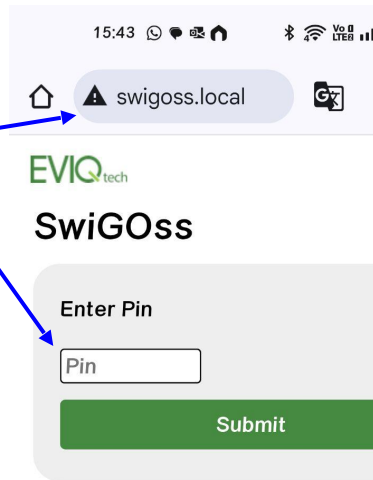
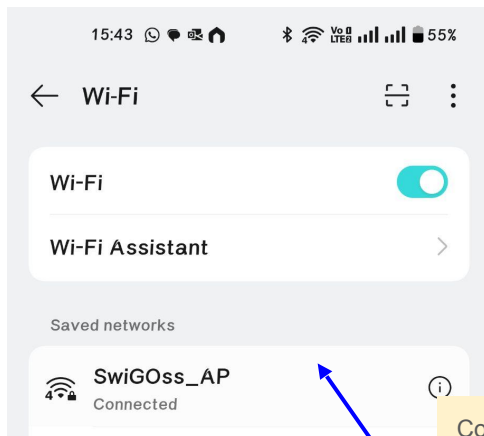
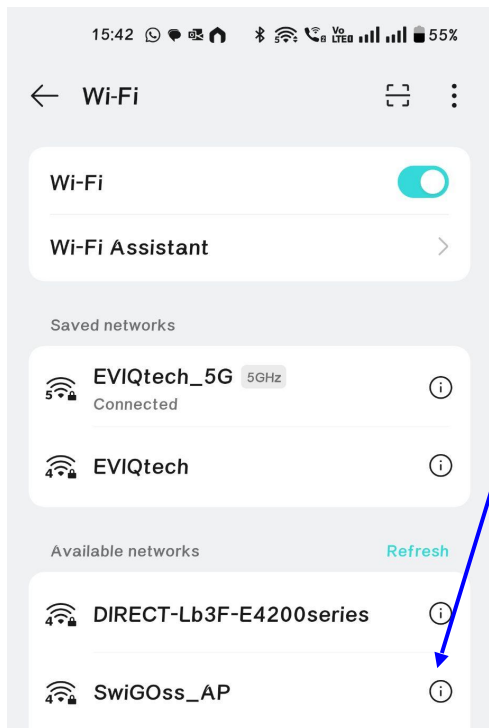
When the device is powered up first time, in a minute's time, from your mobile (Android/Iphone), you can look for a new Wi-Fi name called SwiGOss\_AP or xxxx\_AP (xxx is some name given in the factory) is available

Once you connect to this Wi-Fi AP, go to your mobile's browser and type in the URL address bar, swigoss.local or xxx.local. When the page opens, enter the default PIN we have set from the factory which is 1234

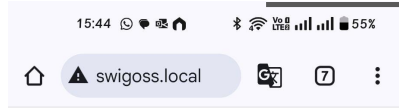
Some systems have difficulty resolving names while connecting. If you cannot connect thru using xxx...local then connect using default IP number set for the SuperSmart: **192.168.4.1**

Connect your mobile to this Wi-Fi Access Point (AP). Default password set is: Password

It establishes wireless connection from the SwiGO SuperSmart to your Mobile. No internet is available thru this Wi-Fi



# SwiGO SuperSmart: Setting the Device up first time



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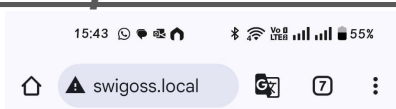
## SwiGO Super Smart

The device name and pin need to be set the first time

Device Name

€

- Device name and pin are saved.
- You need to connect to a new Wifi access point (SwiGOSuperSmart\_AP) and access the device with new URL(SwiGOSuperSmart.local).
- Connect to new AP now and after that Click the link below to refresh.  
[Refresh Page](#)



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## SwiGO Super Smart

The device name and pin need to be set the first time

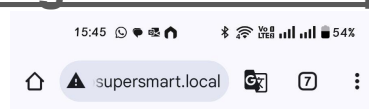
Device Name

SwiGOSuperSmart-1

Pin

Save

After entering the PIN it takes you to the page where you need to change the default AP name to the one you want. Also need to change the default PIN; set to your own PIN. Once this step is complete now you can operate the device



EVIOtech

## SwiGOSuperSmart

Run Hours ?

Run Minutes ?

OFF

ON

N/A

Current (A)

220.7

Voltage (V)

N/A

Power (W)

N/A

Energy (kWh)

N/A

Cumulative Energy (kWh)

Operation Log

Energy Reading

This is the first Page to operate SwiGO SuperSmart. Set here the duration required and start switching on the device



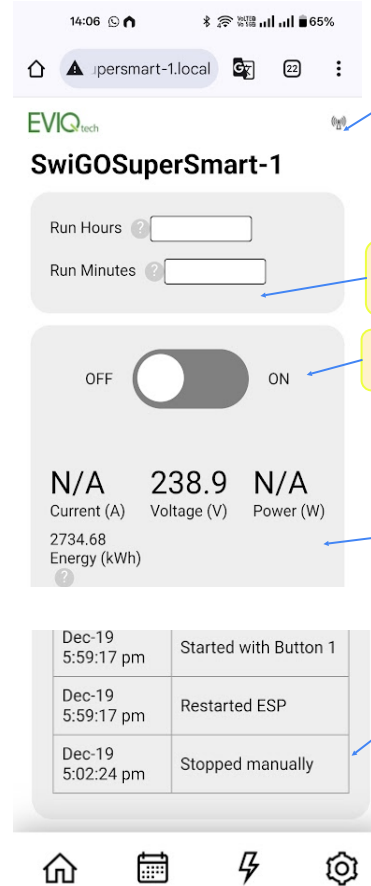
# SwiGO SuperSmart

## First Page



You will have to set the duration first before switching ON  
Current, Voltage, Wattage and Power shown  
Recent 30 logs of the activities/status of the device shown

After no activity of for 10 min, you will have re-log in with PIN



Connected to AP or Wi-Fi

Enter first, required duration in Hours and or in minutes to run your device

Then switch ON. Device will run for the above set time

Current in A, Voltage in V and Power in W shown. As long as incoming is available, Voltage shown. Current and Power shown while device is running. Current will show several times high as device like motors draw high inrush current while starting. Then after few seconds shows the running current

Logs of all last 30 incidents shown



14:07 65%

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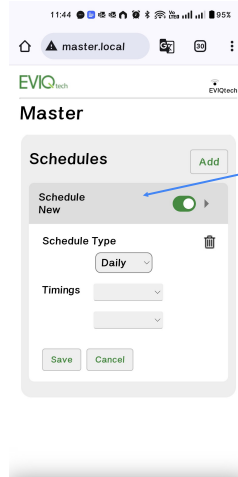
### SwiGOSuperSmart-1

#### Schedules

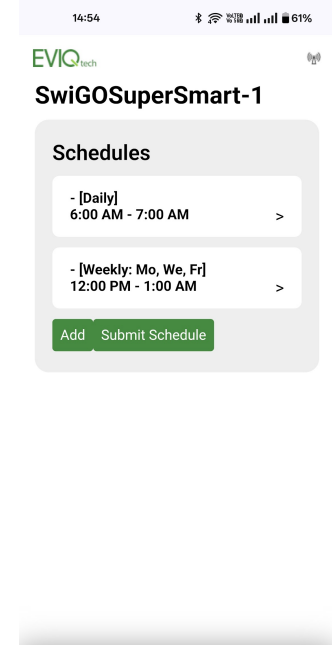
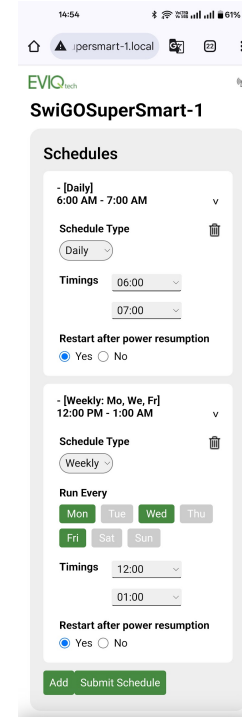
New Schedule >

Add Submit Schedule

Create Daily or Weekly Schedules.No. of schedules allowed, total 10: Also set if you want to restart after Power resumption within the scheduled time period



Set required schedules to run your device. Daily schedules which runs, every day, 365 days a year and or weekly schedules which run on the set days. You can have several schedules of Daily and weekly! You can have total of 10 schedules all put together!



# SwiGO SuperSmart



## Third Page

Set your all Protections like Dry Run, Overload, Over Voltage, Under Voltage, Restart after Power cut/Resumption etc

Note: When device is switched on: SuperSmart will allow for any momentary spikes in the threshold values of current for both Dry-run and Overload for 7 seconds and then if the value persists after 7 seconds, will switch off. SuperSmart will switch off the device within 7 seconds if the Voltage threshold exceeds for both High and low

When device is running: SuperSmart will switch off after 4 seconds when the threshold values of current for both Dry-run and Overload. SuperSmart will switch off the device within 7 seconds if the Voltage threshold exceeds for both High and low

Set the radio button whether to re-start the device after fault or power failure and resumption. Note that device will restart if the restart selected "Yes" but after the restart delay set in

11:46 100% 5G

master.local

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Master

Protection Settings

Dryrun current

Lower Limit 0 Amps

Restart required after Dryrun fault? ☐ Yes ☐ No

Retry after 0 Mins

Is this device used for Protection only? ☐ Yes ☒ No

Threshold current 0 Amps

Overload current

Upper Limit 20 Amps

Restart required after Overload fault? ☐ Yes ☐ No

Retry after 0 Mins

Low Voltage Limit

Lower Limit 170 Volts

Restart required after Low voltage fault? ☐ Yes ☐ No

Retry after 0 Mins

High Voltage Limit

Upper Limit 290 Volts

Restart required after High voltage fault? ☐ Yes ☐ No

Retry after 0 Mins

Restart Options

Restart required after power resumption? ☐ Yes ☐ No

Restart delay 0 Mins

Set Values

Protect your device by setting lower threshold value for Current. For example, when connected to the pump and then there is No Water, current will go down more than 20% from nominal current.

After the above fault, set delay time to re-try. SwiGO SuperSmart keeps trying to run until there is no fault, but within the scheduled time period only; if "Retry" time starts after the scheduled time, then SwiGO SuperSmart will not run

Protect your device by setting higher threshold value for Current. For example, when connected to the pump and the there is shaft seize, winding damage, current drawn will go higher by more than 20% from nominal current

After the above fault, set delay time to re-try. SwiGO SuperSmart keeps trying to run until there is no fault, but within the scheduled time period only; if "Retry" time starts after the scheduled time, then SwiGO SuperSmart will not run

Protect your device by setting lower threshold value for Voltage. For example, utility supply Voltage itself, might be lower and if the motor is run when the voltage is low, then your motor cannot draw required current and bearings might heat up

After the above fault, set delay time to re-try. SwiGO SuperSmart keeps trying to run until there is no fault, but within the scheduled time period only; if "Retry" time starts after the scheduled time, then SwiGO SuperSmart will not run

Protect your device by setting higher threshold value for Voltage. For example, utility supply Voltage itself, might be higher and if the motor is run when the voltage is high, then your motor's insulation and capacitors would be damaged in the long run.

After the above fault, set delay time to re-try. SwiGO SuperSmart keeps trying to run until there is no fault, but within the scheduled time period only; if "Retry" time starts after the scheduled time, then SwiGO SuperSmart will not run

During the run time or scheduled time, if there is a power failure, then set a delay time restart the device. Delay time protects from High Voltage spikes which usually occurs when the power resumes

If you want to SwiGO SuperSmart as a Protection device along with a Master Switch like in a Pressure Switch/Pressure Pump etc, then install SwiGO SuperSmart before the Master switch which will control the load on/off.  
Give the Threshold value to be a minimum current to allow the connected load to run and then detect for Dry-Run fault



# SwiGO SuperSmart



## Last Page

Set your SwiGO SuperSmart time, Wi-Fi, Device Name, PIN, AP etc. Also you can re-start, reset the device and Update the firmware

### Factory Reset:

Press simultaneously middle two buttons (Yellow and Blue) and the Red button for about 20 seconds until blue LED is lit, then leave:

the device will reset to Factory settings. All user set device name, Wi-Fi settings, logs, Protection settings, Schedules will be erased

12:48 100% 5G 100% 73%

Supersmart3

Device time

10-Jan-2025 12:48:17

WiFi settings

Current WiFi SSID : EVIQtech

WiFi SSID

Password

Save

Device Name

Device Name

Save

Device Pin

Pin

Save

WiFi Access Point Password

AP Password

Save

Logs

Clear Logs

Reset Cumulative Energy

Restart Device

Restart Device

Clear Fault conditions

Logout Application

Firmware update

Current Firmware Version: 1.1.1

Firmware :  No file chosen

Update Firmware

Current time as in the SwiGO SuperSmart is shown

SwiGO SuperSmart can be connected to the local Wi-Fi. You can operate the SwiGO SuperSmart from device web portal within the connected Wifi range. Once connected, it will reconnect whenever this wifi is available to the device thru which you are using the web portal

You can name the device to your liking!

Protect your SwiGO SuperSmart access by setting the PIN number; 4 digits?

Set/Change password to access the SwiGO SuperSmart broadcast AP

You can clear the SwiGO SuperSmart logs of all the time!  
You can clear the Cumulative Energy data to start the metering from Zero

For soft booting the device "Restart Device" could be used. (For Troubleshooting purposes).  
"Clear fault conditions" button can be used, if fault conditions like Low voltage, High voltage, Dryrun, Overload conditions are resolved externally.  
Normally, if schedule is disturbed by some fault condition, device will try to turn on after the delay time. If you do not want to wait until the delay time, "Reset fault condition" button could be used.  
"Clear fault conditions" button can also be used to override Manual Stop condition during schedule run.

Whenever you receive a new firmware thru email, you can update your SwiGO SuperSmart

If set WiFi is not available or not in the range, device will fall back to AP mode within 15 seconds  
If you want to remove the set-in Wi-Fi details and go back to AP mode, press the last button (Violet) and Red button together for 10 seconds until blue LED lit. Then SwiGO SuperSmart goes back already set AP

To reset the SwiGO SuperSmart to factory default, which will clear all Wi-Fi name and PIN, AP Name and PIN, Protection settings, Logs, Schedules, Device name and PIN and Cumulative Energy data:  
Press middle two buttons (Yellow and Blue) and Red buttons simultaneously for about 20 seconds until Blue LED lit.

# ***SwiGO SuperSmart: Fault Indicators***

When there is **Dry-run** situation while load is ON (When the device is taking less current than the one set in Dry-Run parameter) supersmart will wait for 4 seconds, if the Dry-Run situation prevails for more than 4 seconds, the relay will be cut off. First LED and right side single LED will rapidly blink for 6 seconds. Both LEDs will blink in red color (for the duration of 6 seconds only)

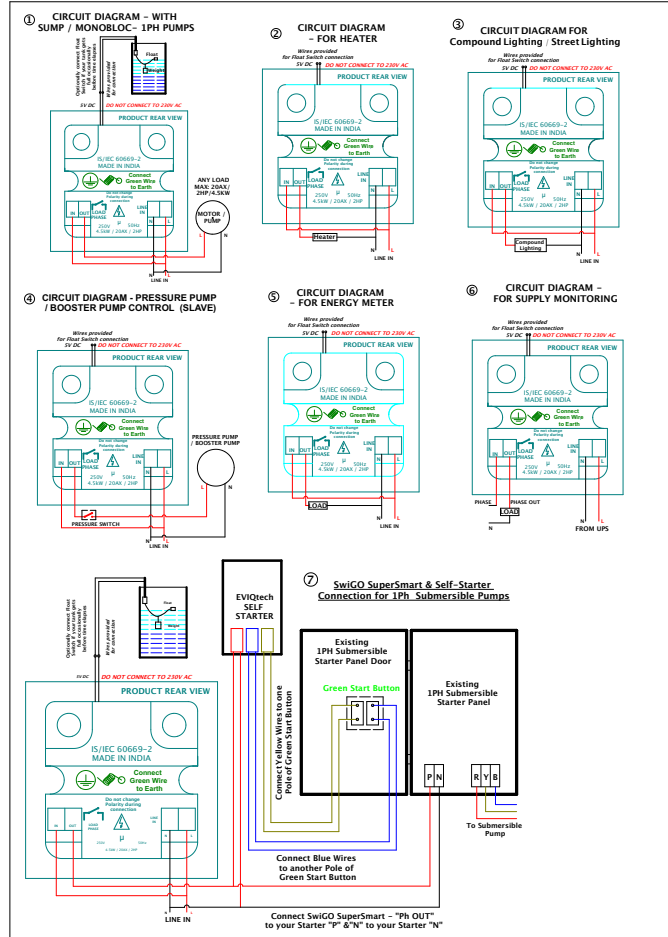
But when the Pump/Motor or connected load is going from Off to On, SuperSmart will detect Dry Run after 7 seconds so as to allow the load sufficient time to pickup full load current!!

When there is **Overload** situation, when the load is ON (When the device is taking more current than the one set in Overload parameter) supersmart will wait for 4 seconds, if the Overload situation prevails for more than 4 seconds, the relay will be cut off. Second LED and right side LED (LED below stop button) will rapidly blink for 6 seconds. Both LEDs will blink in red color (for the duration of 6 seconds only)

But when the Pump/Motor or connected load is going from Off to On, SuperSmart will detect Overload after 7 seconds so as to allow the in-rush current and the load sufficient time to pick up full speed and come down to full load current!!

When the supply Voltage goes below the specified limit that is **Low-Voltage** and if it prevails for more than 7 seconds, Relay if it's on, will Switch Off and Third LED and the right side LED will blink rapidly. Third LED will blink in RED and right side LED will blink in Yellow color,. Even when the Relay is OFF, the LED will blink, if the supply voltage is low. When the incoming supply is corrected, the blinking will stop by itself

When the supply Voltage goes above the specified threshold that is **Over-Voltage** and if it prevails for more than 7 seconds, if Relay is ON, will switch Off and Fourth LED and the right side LED will blink rapidly. Fourth LED will blink in RED and right side LED will blink in Yellow color. Even when the Relay is OFF, the LED will blink, if the supply voltage is high. When the incoming supply is corrected, the blinking will stop by itself



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