



TECHBINE

CONCEPTS PVT LTD

RESIDENTIAL, COMMERCIAL, INDUSTRIAL AND AGRICULTURE AUTOMATION

ABOUT US

TechBine Concepts Private Limited established in 2020 with a vision of developing, manufacturing and distributing IOT-based products. All our products are carefully planned to be inclusive, forward-thinking and reduce carbon footprint with our commitments to the environment

We here at TechBine, desire to provide cutting-edge technology at an affordable price. With SYNXGEN`s flagship offering, we aim to make this dream a reality. The smart homes come with features that let you add smart & hassle-free automation to apartments, private houses, hotels, hospitals, commercial and industrial establishments without replacing any of the existing setups and at the same time adding an extra layer of Security.

Our solutions are equipped with a user-friendly app that lets you control and monitor from anywhere in the world. Any establishment equipped with Techbine is indeed a stepping stone for anyone who wants to taste the experience of living in the future



FEATURES



Control from Anywhere

Control all appliances in your home from anywhere in the world.



Comfort and Convenience

Switch on/of appliances anytime from anywhere. No more worries about hassles at home.



Security

Monitor your home on the go. Set virtual locks on every room that'll smartly notify about any intrusion.



Live Power Tracking

Monitor hourly and daily power consumption at home in real time to help save more power.



Timing Set-up for all Devices

Set timers on any device, from light bulbs to water pumps.



Lighting Options Tailor made for you

Set custom light settings that turn on with a single tap to suit different moods- like movie night, party scene etc



Smart Entertainment Control

Control all IR remotes with just the smartphone. Give a smart makeover to your DTH TV with new capabilities



A Mobile App for the Beloved Master

Have complete control over the smart home with your phone. Keep an eye on your home from anywhere in the world



The Voice Assistant

Your home's new best friend: With Amazon echo or Google assistant, use your voice as a remote to control all your appliance



More Intelligence to your Appliances

Let your appliances customize their actions for you, without you having to play with the remotes all the time.

OUR PRODUCTS

SX SERIES - RETROFIT

The SYNXGEN SX retrofit Switch comes in 5 variations – 1, 2, 3 switch, 4 switch, 5 switch. Every switch contains a fan dimmer control along with normal switch controls. It is packed with an attached sensor strip. This switch allows you to control all common home appliances via the SYNXGEN Smart Home app. It also contains a power measurement circuit for displaying live power consumption data of connected appliances in real time.

Features

- ★ Easy to install - can be finished in less than 15 minutes.
- ★ In built surge protector to protect your appliances from both high and low voltages.
- ★ Retrofit module – No need to modify the existing wiring set-up. The SYNXGEN switch can be installed keeping the existing switches and wiring intact (No modification needed for two way switching also).
- ★ It works perfectly with manual switching also.
- ★ Comes with built-in dimmer for fans and dimmable LEDs. They can be used just like regular dimmers.
- ★ Integrated with Google Assistant and Amazon Alexa to provide voice control over appliances.
- ★ Can communicate over Wi-Fi and works with/without internet.

Appliances you can control



Lights



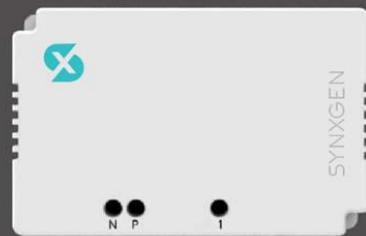
Fans



Power Sockets

Power rating: 6A.

I/P Voltage : 230v / 50 Hz.



SENSORS & SENSOR STRIP

The sensor strip comes as a package with the SYNXGEN switch. It is to be attached to the switch during set-up. It has an inbuilt temperature sensor and an IR blaster along with 2 USB ports to hold two additional sensors.

Features

- ★ Appliances can take appropriate decisions based on values obtained from sensors like change temperature, check for intruder etc.
- ★ All IR remote controlled appliances like AC, Set-top box, TV etc.. can be controlled via the SYNXGEN app using the switch and sensor strip arrangement

Appliances you can use



Gas



Temperature



Motion



Light

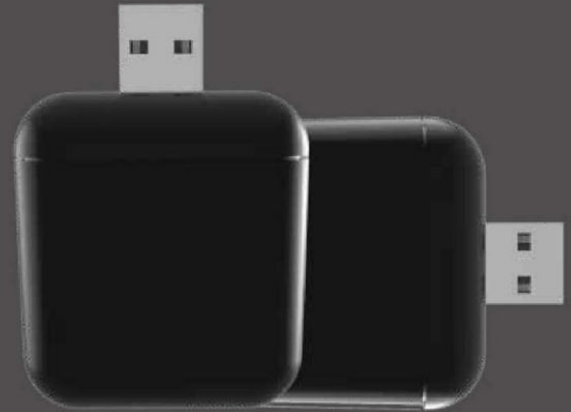


SX RED

SX Red is a universal portable remote which can act as a substitute for all IR remote controlled appliances. It is fitted with four IR blasters which can cover 360 degree radius. SX Red can be connected to any USB power outlet (mobile chargers) and can be operated easily via Wi-Fi. It can be placed anywhere in the room to control appliances.

Features

- ★ Ultra-portable, its right in your pocket.
- ★ The IR blasters cover all appliances within 15m radius.
- ★ Easy configuration.
- ★ Compatible with almost all electronic brands in the world.
- ★ Integrated with Google Assistant and Amazon Alexa to provide voice control over appliances.
- ★ Can communicate over Wi-Fi and works with/without internet.



Appliances you can control



Fans



Lights



TV



Home
Theater



DTH



Setup
Box



Music
System

Power Rating : 5V/1A rating.

Range : Up to 25m around its vicinity.

MOTION AND DOOR SENSORS

Door Sensors

Door and window sensor alarms are actually the same device. The basic functioning is a contact sensor that triggers an alarm when a door or a window is opened without authorization. This type of alarms represents the ultimate perimetral defense for your facility and it is widely used in companies and residential buildings.



Motion Sensor Module

Motion sensor enhances smart home automation by triggering IoT devices based on detected movements, such as turning on the lights, alarm or adjusting the thermostat when someone gets home from work.



Motion Sensor Light

A motion sensor light triggers a response when motion is detected. They can be installed indoors, on walls, ceilings, and in doorways, or outside, on the exterior of buildings and homes. the motion sensor light operate by turning off lights in unoccupied rooms and spaces



Features



PIR Motion



Wide Angle



Real Time
Monitoring



Push
Notification



Sound and Light
Alert



Wi fi



Schedule



Power Monitor

CURTAIN CONTROLLER, PULSE SWITCH, DOORBELL NOTIFIER AND LED DRIVERS

CURTAIN CONTROLLER

SYNXGEN's Curtain controller can convert any curtain into an automated one. Whether you want to control the curtain in your house, studio, hotel and more, you can control them with the SYNXGEN app.



PULSE SWITCH

Pulse Switch is an IOT device that opens and closes the motorized doors/shutters at one tap. The device is paired with a latching relay that sends a command to the motor, to open the garage door or any other type of motorized door. The device can be retroitted into any outdoor power panel or switchboard and can automate two diferent gates with one pulse switch.



DOORBELL NOTIFIER

Doorbell Notifier, installed inside a doorbell switch, is a small box-like device enabled with Wi-Fi. This device helps send a notiication to the user through the automation app when rung and allows them to connect with the IP camera to view who is visiting their house.



LED DRIVERS

LED driver is a device that allows you to automate two dimmable ceiling lights and the proile lights. With this driver, you will be able to switch on/of the lights and control the lights' brightness. You can also conigure the lights based on your worklow and schedules. With mesh technology, the lights' LED drivers would be interconnected to a central gateway connected to the internet router. The central gateway would eventually provide internet connectivity to all the lights across the property, irrespective of connectivity range



HEAVY DUTY MODULES

Heavy Duty Module and Heavy Duty+ Module is a smart device that automates your heavy-duty appliances rated up to 16A and 25A. The devices can fit inside your switchboard and control the heavy-duty appliances from your smartphone. It will help you monitor the power usage and provide you with various smart features that can be operated with the automation app.

Features

- ★ **Retrofit Design:** Designed to fit into existing switchboards, with quick and hassle-free installation.
- ★ **Variants:** HD Module 16A and HD+ Module 25A
- ★ **Robust Hardware:** Advanced firmware and rugged hardware design are few features for long-lasting performance of the device.
- ★ **Secure Wi-Fi:** Equipped with Secure Wi-Fi, that helps you to control appliances from any location.
- ★ **Timer and schedules:** Set cut-off timer, so the appliance will turn off in time, whenever it is turned on.
- ★ **Workflow and scenes:** Easy to create a workflow as the controls are based on temperature and humidity settings.
- ★ **Running hours:** You can view the detailed running hours and control history to monitor the appliance.
- ★ **Voice Assistant:** The device supports all major voice assistants, including Amazon - Alexa, Apple - Siri, Google etc.
- ★ **IFTTT:** Extend unlimited capabilities with IFTTT like location-based control etc. Supports 2-way wiring: Designed to support 2-way switching without additional re-wiring.

Appliances you can control



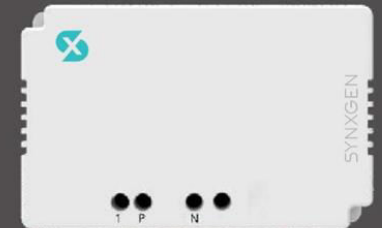
AC



Geyser



16 A Heavy Duty Module



25 A Heavy Duty Module

TOUCH SERIES

Touch switch is a smart device that enables you to turn on/of an appliance at one tap, whether it is manually or virtually. When the appliance is turned on, the device lights up blue in colour, therefore check the light of the device and know whether it is in use. It is a device that can be configured with an automation app and provide a smart look to your switches.

TOUCH SWITCH VARIANTS:

Touch Switch :

Touch Switch enables you to replace old mechanism switches with the modernized versions and automate different appliances. You will be able to switch on/ of the appliance at one-tap, manually and virtually with the app.

Fan dimmer Touch switch:

Fan Dimmer Touch switch allows you to automate and replace the old mechanism fan switch along with the regulator. With one tap, you will be able to switch on the fan, and with another tap, you will be able to choose any speed you want.

24A Touch Switch:

24A Touch Switch is for appliances rated under 24A such as Geysers, ACs and more. It is a Wi- Fi enabled device that will help you control and monitor any appliance with your smartphone.

Features

- ★ **Retroit Design** : All the variants of Touch Switch can replace two old mechanism switches each.
- ★ **Robust Design** : Advanced firmware and rugged hardware design for long-lasting performance.
- ★ **Built-in S-Wi-Fi** : Equipped with secure Wi-Fi that ensures appliance control from any location
- ★ **Voice Command** : The automation app is compatible with all types of voice assistants such as Siri, Bixby, Alexa, Google Assistant and more.
- ★ **Running Hours** : Get the detailed running hours and control history of the device on your phone.
- ★ **Modern Structure** : The device's exterior and interior design was made to provide elegant and modernized ambience to the user.

Touch Panel available in color of your choice

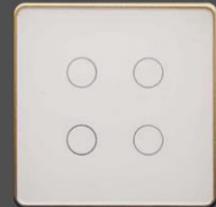
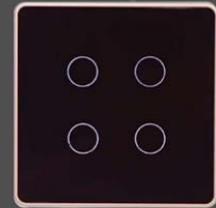


NEW
LAUNCH

TOUCH SERIES

Features

- ★ Elegantly designed Smart Touch Switches with Fan Regulator with tempered glass panel that work using capacitive touch technology.
- ★ Developed using the latest Internet of Things (IOT) technologies/protocols providing high security and conveniences such as Lighting Controls, Wireless 2-way and multi-way, Scene Control through touch and it also does not required hub.
- ★ IR remote, powered by AAA battery, provides a convenient way to operate switches from up to 22 feet away.
- ★ Voice control facility using Alexa or Google (Nest) Home or any Android device
- ★ Designed & developed using high-grade reliable electronics providing maximum level of electrical safety & reliability as per norms.
- ★ A phenomenon, Characterized by IOT, a Mesh network is an energy efficient, economical alternative that connects many devices through peer to peer communication. A multi faced wireless mesh network eliminates the possibility of connection failure and data security breach with its potential to work without the internet and 2 key encryption.



Switch Panel available in color of your choice in Gold and Crome border.



PORTABLE SERIES

SMART PLUG

The heavy-duty plug can be used for connecting heavy duty home appliances to the SX smart home network. It contains power measurement circuit for dynamic power measurement, inbuilt surge protector and ceramic housing for electrical protection. It can safely operate 6A and 16A rated appliances.

Features

- ★ Suitable for high power consuming devices.
- ★ Has a built-in surge protector to protect costly appliances from power surges.
- ★ Power monitoring features to measure power drawn by the device in real time.
- ★ Can communicate over the Wi-Fi, works with/without internet.
- ★ Comes with manual switching capability.

Appliances you can control



AC



Geyser



Kettle



Iron Box



Coffee Maker



Designed to connect 6A/16A appliances.
I/P voltage rating: 230V, 50Hz.

TRAVEL SERIES

TRAVEL ADAPTER

The SX travel adapter is a portable Wi-Fi supported plug that can act as a smart plug as well as a smart remote. It has 3 sockets with 6A rating- a 3 pin socket and two 2 pin sockets. It has inbuilt IR sensors for controlling IR appliances.

Features

- ★ Can connect up to 3 appliances at a time.
- ★ Works as a smart remote for TV, Set-top box, AC or any IR remote controlled device.
- ★ Integrated with Google Assistant and Alexa to provide voice control over appliances.
- ★ Since it is portable, it can be carried anywhere for use.
- ★ Can communicate over Wi-Fi and works with/ without internet.

Appliances you can control



Set-TopBox



Television



TableLamp



TableFan



Mobile

Power rating: 6A | 230V,50Hz.



INDUSTRIAL SERIES

SMART MCB

Smart circuit breaker can be used to transform the ordinary household wiring into a smart system with automation. Smart MCBs protect your home from voltage luctuations and any short circuiting. The time setting can be done through a smart phone instead of manual operation.

Features

- ★ Control remotely from anywhere anytime. Schedule ON/OFF.
- ★ Voice control with Google assistant and Alexa. Overload and short circuit protection.
- ★ Over voltage and under voltage protection.
- ★ Impulse withstand voltage 6000V. Less phase protection.

2P Single Phase MCB - Rated 63A max

4P 3Phase MCB - Rated 40A, 60A and 100A



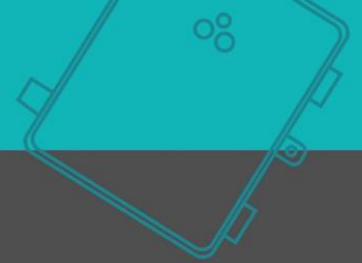
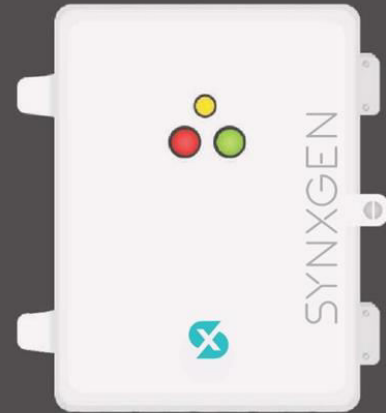
INDUSTRIAL SERIES MOTOR PANEL

The motor panel is available in both 3 phase and single phase versions. It can be used to control water pump at home as well as irrigation pumps. The user can control the water pump from anywhere in world using the mobile app or a smart keychain. The panel has a built-in contactor box enabling easy installation. It is designed to protect your motor from dry failure.

Features

- ★ Can schedule motor on/of timings as per convenience.
- ★ Can operate the motor from anywhere in the world.
- ★ Mobile app to control the motor panel in diferent regional languages.
- ★ Works with all kinds of agricultural motors.
- ★ Comes with a smart keychain consisting of on/of buttons for farmers for easier use.

Power rating : 230V, 50Hz | 415V, 50Hz



INDUSTRIAL SERIES ENERGY MONITOR

SYNXGEN smart energy monitoring systems is a complete IoT based solution for health & energy monitoring for a wide range of applications. This solution comes with a Dashboard specifically designed for getting analytical insights from all your appliances.

Features

- ★ Can monitor Voltages, Currents, Power Factors, Harmonics, Power in individual phases.
- ★ User configurable alerts for different events (Over Voltage, Over Current, Overload, Phase Reversal, Abnormal PF, Abnormal Harmonics).
- ★ Configurable settings for Health monitoring of appliances.
- ★ 7 different types of parameters, 61 parameters in total.
- ★ Connectivity over 2G GSM.
- ★ Meter Type – 3 Phase 4 Wire.

Voltage Range from 0V to 320V and Current upto 200A
Frequency - 50/60Hz



SMART VIDEO DOORBELL

SYNXGEN Smart Video Doorbell detects suspicious movement in front of your door with its built-in motion sensor. You will receive a video alert on your mobile app. Also the white LED lights around the video doorbell captures clear colored photo and video of the visitor even in low light conditions.

Digital Door Lock integration with your smartphone. So you can unlock your door from anywhere in the world using SYNXGEN App.



Features



110° Wide Angle Lens



Digital Door Lock Integration



Moonlight Camera



Touch Monitor



Cloud Based



3rd Party Integration



Integrated Motion Sensor



Video Alert On Motion



Angular bracket



Smartphone Integration



Sensor Integration



Wi-Fi Enabled

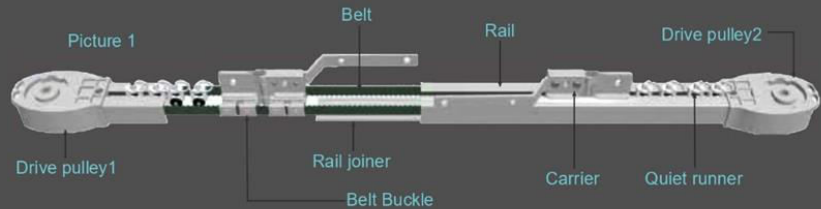
CURTAIN MOTORS

Smart curtain controls help you to manage curtains and blinds remotely whenever you need them. Apart from the ease of control, Synxgen provides a wide range of benefits from convenience, multi device integration, energy efficient and many more control options.

Features

- ★ Quite Operation
- ★ Manual operation in case of power failure
- ★ Low power consumption (35W)
- ★ Built in RF receiver
- ★ 5 years replacement warranty

Motor Capacities : 35W, 45W, 60, 85W



Applications



ROLLER SHUTTER



ROLLING GARAGE DOOR



AWNING



App Remote



Schedule



Power Monitor



Voice Assist



Retro fit Module



No Rewiring



No wall Damage



Remote, Manual App and Touch

SMART DOOR LOCK

SYNXGEN Smart locks are the perfect way to ensure that your home is protected no matter where you are. If you're tired of losing your house key, looking for added security, want your kids to be able to access the home when you're not home or want to let guests in remotely, smart door locks are what you need.

Made of Aluminium Alloy
AA Battery Used

Available in multiple colors

Single shoot and three shoot locking system



Features



Fingerprint



Password



OTP



RFID



Remote - App



Manual Key

MOBILE APPLICATION

Seamless User Experience

The app windows easily switches between home, switches and remote tabs to enable an effortless user experience.



Scenes

Customize your appliances to create theme based scenes for you whenever you want them to. Ex: evening scene, birthday scene etc.



Workflows

Let your appliances make intelligent decisions based on their surroundings. Ex: Your AC automatically switches on when the room temperature reaches 30 degree Celsius.



Create auto-turn of timers

Set timers on your appliances so they only work for the required duration.



Remotes

Use your app as a substitute remote for all your physical IR remotes. Create custom remotes and default remotes



Access youTV guide inside your app. Set favorites, reminders, access streaming links on your favorite channels and programs.



Voice Assistant



Option to share home access

Share your smart home app access with all other members of your home



Lock Room Capability

This feature lets the user lock any room in the house via the app, so that he'll be notified of any intrusion immediately



Set Schedules & Routines

Set your appliances to power on/of at preset timings, create routines for a set of appliances so they can operate in sync without manual operation.



Power Tracking Tab

The power tracking tab on the home dashboards displays your hourly and daily power consumption in real time.



HOTEL AND HOSPITALITY

HOTEL SERVICES

Order food at your Finger tips

View the hotel menu, check out daily specials and discounts, and order food with a few clicks on the webapp.



Convenient services

No more waiting for the room service. Schedule laundry, housekeeping and spa services of customers' convenient timings.



Discounts & promotions

View promotions for different services with discounts, offers, coupons, etc.



Timely Feedback

Customer feedback enabled everytime a requested service is fulfilled.



Itinerary planning

Check out nearby tourist attractions, book cabs, plan trips etc. with the webapp.



GUEST ROOM

No app Installation

Smart room access is granted to the guest with an elegant guest webapp that can be opened with an SMS or an email link sent during check-in. No need to download any app from the Play store or App store.



Get rid of all remotes

Control all IR appliances in the room such as TV, AC and Set-Top box with the webapp.



Easy control of switches & plugs

Turn on/off any switch or plug in the room with just a tap on the webapp.



Play customized light scenes

Play customized light scenes such as evening scene, nap scene, etc. with just a tap on the webapp rather than idling with different switches.



Control with voice

Control all the appliances in the smart room with Amazon Alexa or Google Assistant.



CUSTOMISED PROCESS WORKFLOW

SMART HOTEL CONTROL

AGRICULTURE

Features

- ★ Automation can effectively reduce the manual labor required for farming while making it simpler and faster, increasing agricultural growth and productivity.
- ★ we aim to assist famers in automation of the pumps, lights, and electrical equipments using IOT technology.



COMMERCIAL AND INDUSTRY

Features

- ★ Create customised process work flow
- ★ Smart dashboard control
- ★ Web Portal for easy access.



Sensor



Business Intelligence



Shades



Lights



Live Video

Benefits

- ★ Enhanced User experience
- ★ Hassle free engagement
- ★ Access to a variety of service
- ★ Timely feedback
- ★ Better engagement
- ★ Increase and diversify streams
- ★ Smart energy conservation
- ★ Better security



Security



Access



Image Capture



Thermostats

Areas of Application



Cold storages



Fire Exits



Parking areas



Lobbies and Passages



Lifts



Washrooms



Underpass



Store rooms



Conference Rooms



Institutes/
Schools /
Colleges /
Universities



Signage boards



Industrial streetlights and floodlights



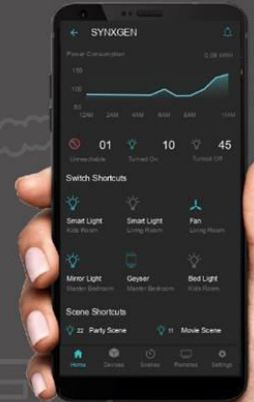
Garden lights



Townships



Street Light



Contact Us

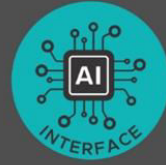
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