

# ECOPRO - 510LV

Energy Efficiency Revolution



Technosphere's BLDC controller is the perfect solution for businesses and consumers in India who are looking for a safe, reliable, and efficient way to upgrade their ceiling fans.

**Save up to 70% on your electricity bill with Technosphere's BLDC controller for ceiling fans.**

Our BLDC controller is a highly advanced solution that uses brushless DC motors to deliver powerful airflow with less energy consumption. It is also customizable to meet your specific needs, making it the perfect choice for businesses and consumers in India.

**Contact us today to learn more about how Technosphere's BLDC controller can help you save money and reduce your environmental impact**

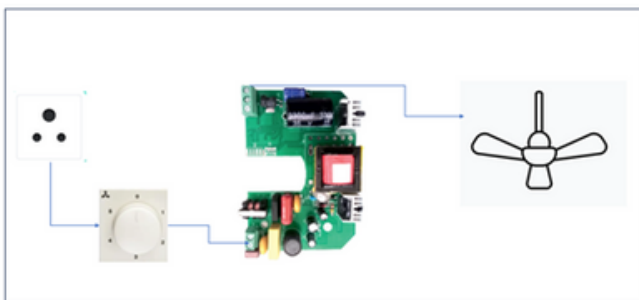
## OUR CONTROLLER OFFERS THE FOLLOWING BENEFITS



- ✓ **100% Designed and Manufactured in India:** Enabling absolute control over hardware and firmware customization while ensuring fast turn-around for specific IoT and lighting requirements, complemented by a comprehensive lab and testing facility.
- ✓ **Fits seamlessly:** Our controller fits seamlessly into the ceiling fan mounting, making it easy to install and use.
- ✓ **High efficiency:** Our controller is highly efficient, helping you save money on your electricity bill.
- ✓ **Long lifespan:** Our controller is designed to last for many years, giving you peace of mind.

Technosphere's low-voltage BLDC solution is the perfect way to get a high-quality ceiling fan controller at a lower price. Our solution uses a lower voltage of 24V DC to drive the motor, which makes it less expensive to produce.

## CONNECTION WITH REGULATOR

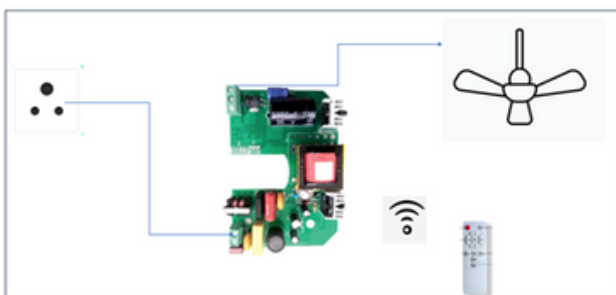


## SPECIFICATIONS



- Power - < 32W at full speed
- Frequency - 47.50-52.50Hz ; 50Hz typical
- Motor voltage - 315V, 3 Phase
- Motor current - 0.1A
- THD - < 20%
- Motor - 3 phase BLDC Sensorless
- RPM - Upto 380RPM
- Power factor - > 0.9
- Speed control - 5 Step Regulator or RF Remote
- Speed Feedback - Motor Current
- Fan Direction - Forward & Reverse
- Protection - Hardware Controlled
  - RF Remote - Over Current
  - Under Voltage
  - Over Voltage
  - Rotor Lock / Phase Open
  - 4KV Surge Protection

## CONNECTION WITH RF REMOTE



Contact us today to learn more about how Technosphere's BLDC controller can help you upgrade your ceiling fans and save money.