



JNANA Laboratory Controller

Model - 450

Save Energy | Enhance Safety

Syannlab Solutions Pvt. Ltd.

No. 698, 1st Floor, 5th Block, SMV Layout

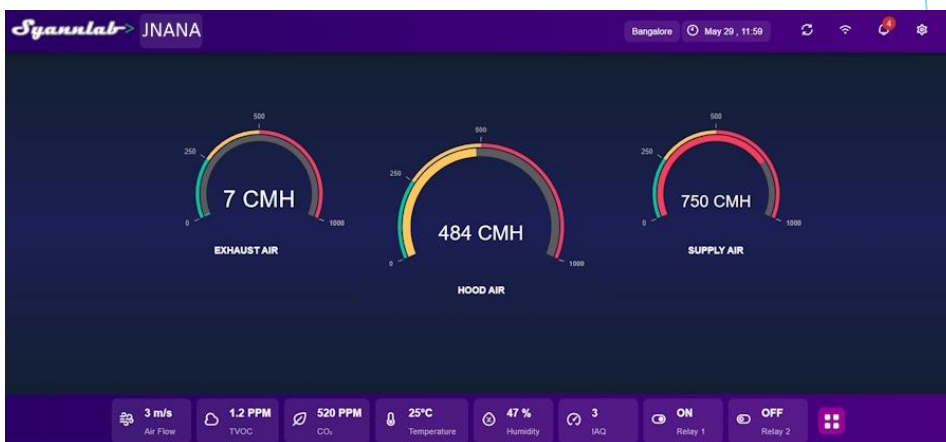
Ullalu Upanagara, Bengaluru – 560056

Ph +91 9591 989760

info@syannlab.com, www.syannlab.com

'JNANA' Series Laboratory controller offers optimized energy savings, enhanced safety, comprehensive control, monitoring, and usage trending. It provides the necessary balancing and control of laboratory air changes, air pressure (Pa), temperature (T), Relative Humidity (rH), Indoor Air Quality (IAQ), Light, day-night switching (DN) and Emergency Flush (EF). The controller features a 7-inch touch screen interface and has the capability to run independently without relying on a Building Management System (BMS). It operates via a web-based specific application on E-Linux OS.

- High Speed & Stable Control
- Controlling of Pa, T, RH & IAQ
- Room Health Index
- Industry Standard 4 & IoT Ready
- COM, RS485, RJ45, MQTT etc
- Touch Display 7" HD
- Digital and Analogue UIOs
- 230V 1 Ph. Power Supply



Specification:

Exhaust Air – Realtime volumetric measurement, Analog Input, 4 Nos

Supply Air – Realtime controlling via VFD, Analog output, 1no

Supply Air – Realtime controlling via VAV box, Analog output, 2nos

Temperature - Realtime Input, Analog Input, 2nos

Humidity - Realtime Input, Analog Input, 2nos

Indoor Air Quality - Realtime Input, Digital Input, 2nos

Indoor Air Quality - Realtime Control, Analog output, 4nos

Light – control via occupancy

Night & Flush mode – Timed and manual mode, auto return

Door – Switch inputs, 3nos

Fire – Fire input, 1no

Room Health Index – Relay Output, 230V AC

Lab Pressure – Real time display onscreen

On Screen – Airflow, Pressure, Temperature, Humidity, IAQ etc

Spare – UI/UO, 4nos

Em-Linux OS, Industry Standard 4.0 & IoT Services ready

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