



Centralized voltage regulation for offices & residences Application Note

Modern offices and residences use several equipment which require proper voltage supply. They will malfunction or become defective when exposed to extreme high / low voltage which is prevalent in Indian conditions. Further, the level of comfort and ambience is adversely affected when there are voltage fluctuations. To avoid malfunctioning of expensive equipment and maintain a better quality of life, you can install a Servo Controlled voltage Stabiliser at the incoming power source itself and provide regulated voltage to the connected equipment. There is also scope for saving through energy saving and lower maintenance costs.

KRYKARD Servo Controlled Voltage Stabilisers, with its rugged design proven over more than 200,000 installations in varied environment offer a reliable and hassle-free solution for such a need. The Model AR / OR series developed specifically for such applications incorporates unique features appropriate to such a need.

The salient features of the KRYKARD Servo Controlled Voltage Stabilisers Stabiliser Model AR / OR series:

1. Rugged design proven in over 200,000 Servo Stabilisers supplied operating in varied environment; Digital voltmeter in each phase; One year 'no-questions-asked' warranty & comprehensive all inclusive AMC thereafter - Hassle free operations
2. Individual phase protection for under / over voltage, over load and short circuit
3. By pass switch in each phase for emergency use in the rare event of equipment malfunction.
4. Scope for setting the output voltage to 220V / 230V / 240 to suit User preference

Some of our esteemed clients are:

Office & Residential -

Banks: Bank of Maharashtra, Central Bank of India, ICICI Bank, Karur Vysya Bank, Union Bank of India, State Bank of India,

Hotels: Oberoi, Saradharam, Taj Coromandel Trident Hilton, Hotel Park In, Hotel Orchid,

Restaurants: Aditya Entertainment, Creamy Inn, Richy Rich Foods, Subway

Retail outlets: Bata India, Crest Jewellers, Hayagriva's Kerala Fashion Jewellery LKS Gold House, Naidu Hall, Prince Jewellery, Witco, Ratna Fan House

Offices: DSRC, Eppendorf, ICICI Lombard General Insurance, Instron India, L & T Ramboll Consulting, Tee & Jay Fertilizers, Thomas Cook, UNIFY Wealth, Bunge Agri, Elgitread, Jothi Agro, Madurai Kamaraj University, National Silks, United Breweries, Accurate Data,

Some Eminent personalities who have installed KRYKARD Servo Stabiliser for their residences:

Dr. Akkeneni Nageswar Rao, Dr. Anji Reddy, Mr. E. V. V. Satyanarayana, Mr. Prastonji, Mr. O. P. Jalan Mr. Suryanarayana Raju, Mr. J. K. Somani, Mr. Bhagyaraj, Mr. Ramesh Rangarajan, Mr. Harinder Singh, Mr. Vipin Sachdev, Mr. Gopalakrishnan, Mr. Bhagyaraj, Mr. Ranjith Mr. Dilip Thomas, Mr. Venu Srinivasan, Mr. Sivashankaran, Mr. Gopal Srinivasan, Mr. Arvind Srinivasan, Mr. Babu Verghese

Centralized voltage regulation for offices & residences Application Note

Technical specifications

Stabiliser type	Air-cooled (AR) / Oil-cooled (OR), indoor type, Servo Controlled Voltage Stabiliser. Suitable for single phase loads. Independent voltage regulation & protection in each phase.		
Input regulation range and output voltage setting	Model	Input regulation range in each phase	Nominal output voltage in each phase
	AR/OR-1080	170V to 270V	230V \pm 1%
	AR/OR-4080	190V to 270V	230V \pm 1%
	AR/OR-6060	200V to 255V	230V \pm 1%
	Note: Output voltage setting can be changed to 220V or 240V L-N. Input regulation range will shift accordingly		
Average correction rate	25V per sec per phase (Line to Neutral)		
Servo motor drive	AC synchronous stepper motor		
Efficiency	Above 97%		
Output voltage indication	Digital voltmeter in each phase to indicate phase voltage, Resolution 1V, accuracy 0.5%		
Under /over voltage cut-offs Upper Limit Lower Limit	12 \pm 2V above nominal output voltage 24 \pm 2V below nominal output voltage		
Electronic overload cut-off	Above 110% of rated output current with graded time delay		
Stabiliser bypass switch	Change over switch provided at input for each phase		
Fault annunciation indications	Input present, output normal, input high, input low, output high cut-off, output low cut-off, output overload cut-off		
Resetting mode	Auto restart with adjustable time delay. Default setting 15 secs, can also be set for 3 minutes		
Housing	Rack (with castor wheels) to prevent ingress of fluids and foreign particles		