



ALL ABOUT **AYRA NOD** SERIES



APPLICATIONS INCLUDE:



ELEVATORS &
ESCALATORS



BUILDING
MGMT. SYSTEMS



UPS & DATA
CENTERS



CNC
MACHINES



AUDIO
SYSTEMS



HOME THEATRE
SYSTEMS



AUTOMATION
SYSTEMS



INVERTER-BASED
MACHINES



HOSPITAL & OT
EQUIPMENT



PETROL
PUMPS

PROBLEM:

Often in a 3-phase 4-wire domestic or office supply system, the neutral is weak or broken. This causes untold misery and dangerously high/low voltages in single phase loads.

SOLUTION:

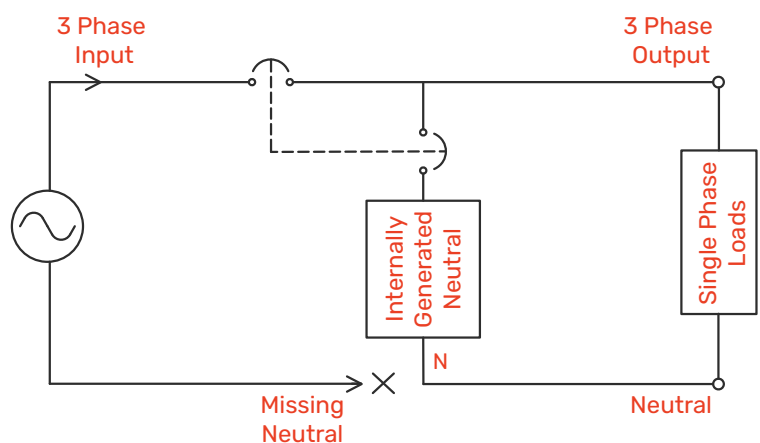
Our zigzag wound neutral transformer is the ideal solution to generate virtual neutral. Provides perfect phase to neutral supply for all single phase loads.

AYRA NOD stands for **Neutral On Demand**.

IDEAL FOR:

Entire homes, shops and retail spaces.

ARCHITECTURE:



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ELECTRICAL

Neutral Current Handling Capacity	30A	50A
Construction	Specially wound transformer using 3-phase input to generate fresh neutral.	
Input	400 V three phase wire terminals	
Input Circuit Breaker	10 A per leg ganged	16 A per leg ganged
Recommended Minimum Input Copper Wire Size	4 mm²	10 mm²
Output	Fresh Neutral Terminal	
AC Connection	Terminal Block	

ENVIRONMENTAL

Ambient Temperature	0° to + 45° Centigrade (32° to +113° F). 10 to 90% RH non-condensing.
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PROTECTIVE FEATURES

Mounting	Pad Mounted	Wheel Mounted
Standard & Safety	Designed to meet UL 60950-1 standards. Protection class IP 20.	
Overload Protection	Automatic trip of ganged MCB in the event of neutral current beyond limits.	

NOTE: This is a specially designed device to provide a fresh neutral to a 3-phase supply, where incoming neutral is faulty/broken/unstable, causing equipment malfunction.