



HOKKIM
Giving You Control

Control & Protection Relays

Model : NUOV-ND

Function : Under & Over Voltage Relay With Delay for 3-Phase 4-Wire Supply.

Utilization:

The NUOV-ND monitors under and over voltage of 3 phase 4-wire mains. It has two adjustable settings of:

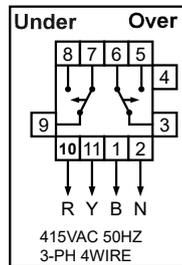
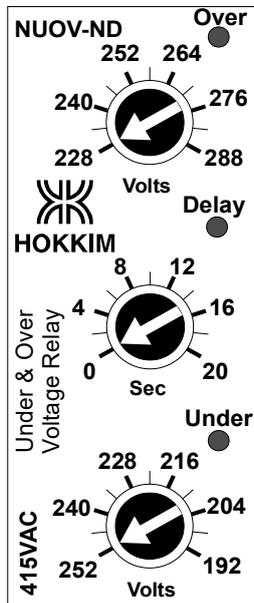
415VAC - 192 to 252VAC for under voltage and **228 to 288 VAC** for over voltage.

200VAC - 92 to 121VAC for under voltage and **109 to 138 VAC** for over voltage.

110VAC - 51 to 67VAC for under-voltage and **61 to 77 VAC** for over voltage.

It will detect variations of the voltage in each phase independent of the voltages in the other two phases.

The relay trips if the voltage of the monitored mains drops below or rises above the respective preset points. The NOV-ND has an adjustable tripping delay from 0-20 sec. There are 2 separate sets of contacts; one for under voltage (9-8-7) and one for over voltage (3-5-6) trip controls. There are also 2 green LEDs to indicate the under and over normal voltage conditions and 1 amber LEDs to indicate delay, then trip condition.



Technical Data

Supply Voltage : 415V 200V

3-Phase 4-Wire : 110V

Frequency : 50~60Hz

Consumption : 1VA

ON-TRIP Hysteresis : 1% of rated

Voltage Adjustment : 80% to 105% of rated.

95% to 120% of rated.

Delay Adjustment : 0 – 20 Sec.

Indication : Green LED (Relay Up)

Red LED (Relay Trip)

Output Contacts : 5A 240V 50Hz AC1

Relay Up 9-8 Close

9-7 Open

3-5 Close

3-6 Open

Relay TRIP 9-8 Open

9-7 Close

3-5 Open

3-6 Close

