



**HOKKIM**  
Giving You Control

# Control & Protection Relays

**Model :** NOV-ND

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

**Utilization:**

The NOV-ND monitors over voltage of 3-phase 4-wire mains. It has an adjustable setting of :

**480VAC - 264 to 333VAC.**

**440VAC - 242 to 305 VAC.**

**415VAC - 228 to 288 VAC.**

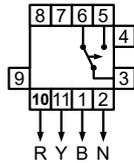
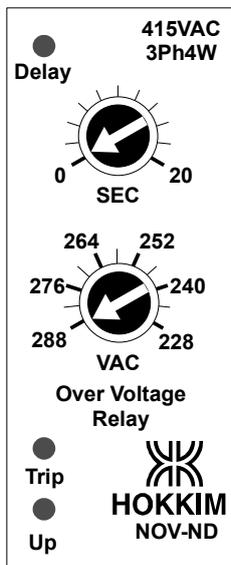
**380VAC - 209 to 264 VAC.**

**208VAC - 114 to 144 VAC.**

**110VAC - 60 to 76 VAC.**

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 in any phase of the monitored mains rises above the preset point. The NOV-ND has an adjustable tripping delay from 0-20 sec. It has one tripping change-over contacts 3-5-6. Contacts 3-5 close for normal conditions and open for over voltage or no supply conditions.



**Technical Data**

- Supply Voltage :  480VAC  440VAC  
3-Phase 4-Wire  415VAC  380VAC  
 208VAC  110VAC
- Frequency : 50~60Hz
- Consumption : 1VA
- ON Response Time : 200 msec.
- TRIP Response Time : 200 msec.
- ON-TRIP Response Deviation : 1% of rated
- Voltage Adjustment : 95% to 120% of rated
- Delay Adjustment : 0 - 20 sec
- Indication : Green LED (Relay On)  
Red LED (Relay Trip)
- Output Contacts : 5A 240V 50Hz AC1  
Relay ON 3-5 Close  
3-6 Open  
Relay TRIP 3-5 Open  
3-6 Close

