



**HOKKIM**  
Giving You Control

# Control & Protection Relays

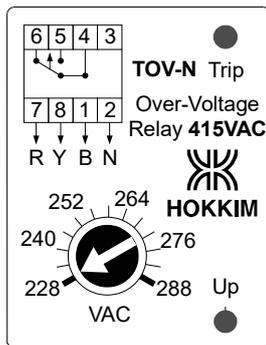
**Model :** TOV-N  
**Function :** Over Voltage Relay for 3-Phase 4-Wire Supply.

**Utilization:**

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

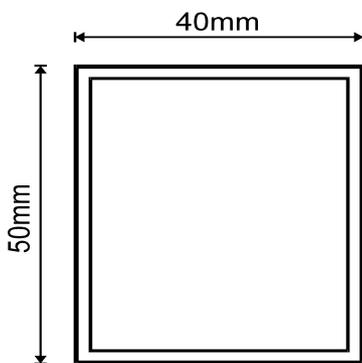
- 480VAC - 264 to 333VAC.
- 440VAC - 242 to 305 VAC.
- 415VAC - 228 to 288 VAC.
- 380VAC - 209 to 264 VAC.
- 208VAC - 114 to 144 VAC.
- 110VAC - 60 to 76 VAC.

The relay trips if the phase to neutral voltage of any phase of the monitored mains rises above the preset point; irrespective of the voltages in the other two phases. The TOV-N trips instantly. Contacts 6-5 close for normal conditions and open for over voltage or no supply conditions.



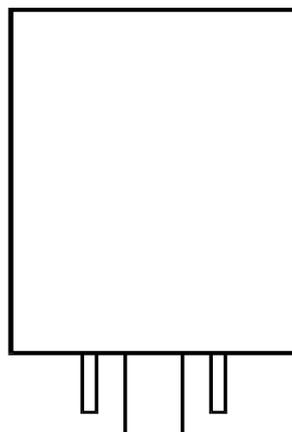
**Technical Data**

Supply Voltage	:	<input type="checkbox"/> 480VAC	<input type="checkbox"/> 440VAC
3-Phase 4-Wire		<input type="checkbox"/> 415VAC	<input type="checkbox"/> 380VAC
		<input type="checkbox"/> 208VAC	<input type="checkbox"/> 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 Ph-N voltage.	
Indication	:	Green LED (Relay On) Red LED (Relay Trip)	
Output Contacts	:	5A 240V 50Hz AC1	
		Relay ON 6-5 Close 6-4 Open	
		Relay TRIP 6-5 Open 6-4 Close	

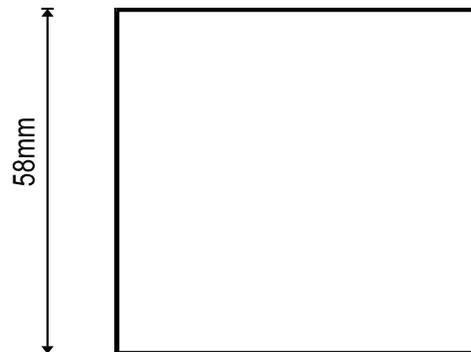


Dimensions

Top View



Front View



Side View