



HOKKIM
Giving You Control

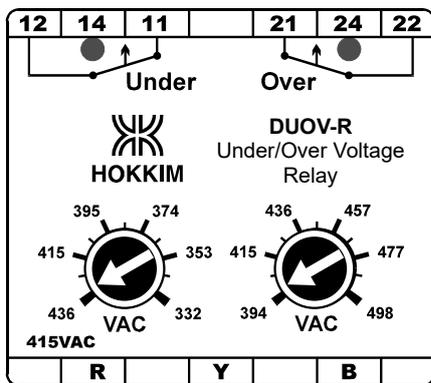
Control & Protection Relays

Model : DUOV-R

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

Utilization: The DUOV-R monitors under and over-voltage of balanced 3-phase 3-wire mains. The relay trips if the voltage of the monitored mains drops below or rises above the respective preset points. If the mains voltages are unbalanced it will take the sum of the three individual phase voltages as reference.

There are 2 separate sets of contacts; one for under voltage (11-14-12) and one for over voltage (21-24-22) trip controls. There are also 2 amber LEDs to indicate the normal condition. For under or over voltage trip condition, the corresponding LED will go off and the corresponding relay will de-energize.



Technical Data

Supply Voltage 3-Ph 3-Wire: 110V 200V
380V 415V
480V

Frequency : 50~60Hz

Consumption : 2VA

ON Response Time : 200 msec.

TRIP Response Time : 200 msec.

ON-TRIP Response

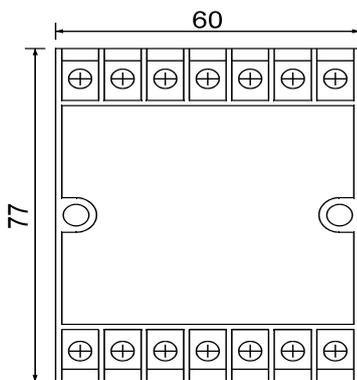
Deviation : 1% of rated

Adjustment : 80% to 105% of rated
95% to 120% of rated

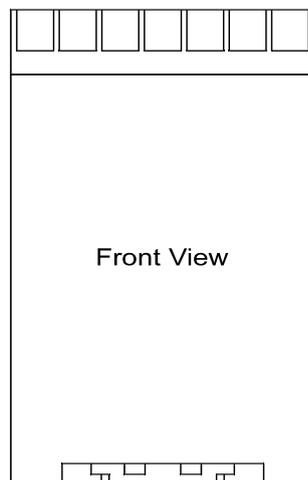
Indication : Amber LED (Relay Up)

Output Contacts : 5A 240V 50Hz AC1
Relay Up 11-14 Close
11-12 Open
21-24 Close
21-22 Open
Relay TRIP 11-14 Open
11-12 Close
21-24 Open
21-22 Close

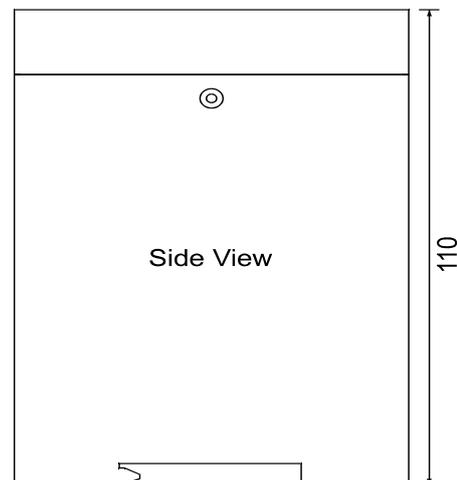
Supply Voltage 3-Ph 3-Wire	Under Voltage	Over Voltage
110 V	115V to 88V	105V to 132V
200 V	210V to 160V	190V to 240V
380 V	399V to 304V	361V to 456V
415 V	436V to 332V	394V to 498V
480 V	504V to 384V	456V to 576V



Top View
Dimensions in mm



Front View



Side View