



# HOKKIM

## Control & Protection Relays

Model : DMVD-1

Description : DC Over mV Detector Relay (DC 0-100mV)

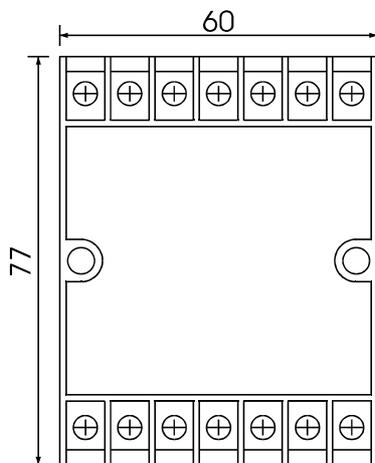
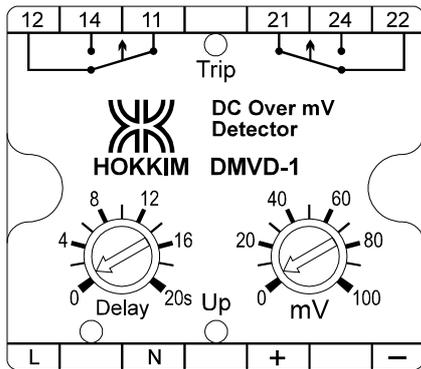
### Utilization:

The DMVD-1 monitors small DC voltage. Its voltage setting is adjustable from 0 to 100mV and the delay setting is adjustable from 0 to 20 sec. The input voltage that is to be monitored is connected to terminals + and -.

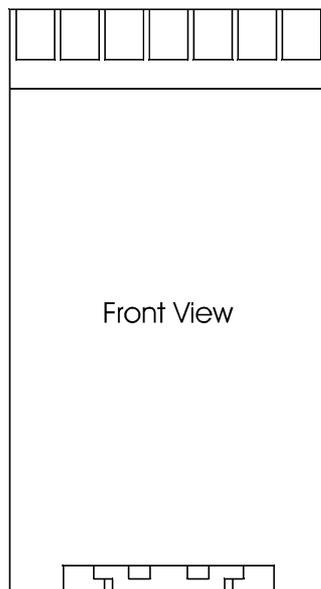
The DMVD-1 is designed to sense over voltage. When the measured voltage is below the setting, two internal relays will energise and the green Up LED comes ON while the Amber Delay LED and the red Trip LED are OFF. If the voltage rises above the setting, the Amber Delay LED comes ON; then after the set delay, the relays release and the green Up LED goes OFF while the red Trip LED comes ON. Contacts 11-14 & 21-24 close in the Up condition and open in the Trip or No Supply condition.

### Technical Data

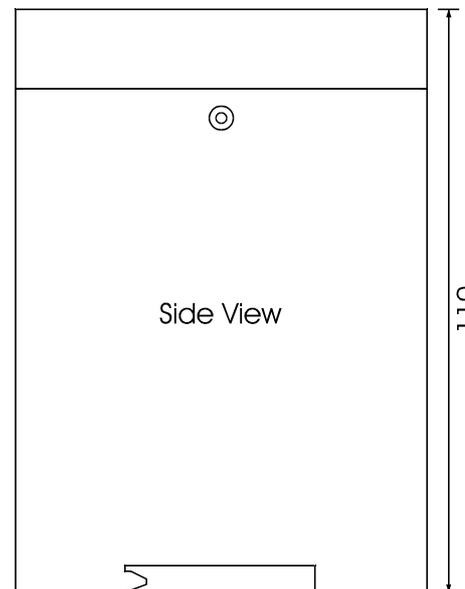
Supply Voltage	<input type="checkbox"/> 240VAC <input type="checkbox"/> 115VAC <input type="checkbox"/> 24VDC <input type="checkbox"/> 12VDC
Frequency	50-60Hz
Consumption	3VA
ON/TRIP Hysteresis	2% of rated
Voltage Adjustment	0 - 100mV
Delay Adjustment	0 - 20 Sec
Indication	Green LED (Up) Amber LED (Delay) Red LED (Trip)
Dielectric Strength Between: Current & Voltage Circuit Output & Voltage Circuit Output Contacts	3 kV 2 kV 2 kV
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



Top View  
Dimensions in mm



Front View



Side View

110