

HOKKIM Control & Protection Relays

giving you control

Model : **NPVM-2RD**
 Function : Precision DC Voltage Monitoring Relay with Delay

Utilization:

The NPVM-2RD monitors under and over-voltage DC supplies for example voltage of a battery. It has three adjustable settings: one for under-voltage, one for over-voltage and one for trip time delay. The relay trips if the voltage of the monitored mains drops below or rises above the respective preset points. There are four setting ranges, for nominal 12VDC, 24VDC, 30VDC, 40VDC and 48VDC.

For 12VDC: the under-voltage setting is from 10V to 14V and the over-voltage setting is from 13V to 17V.

For 24VDC: the under-voltage setting is from 20V to 28V and the over-voltage setting is from 26V to 34V.

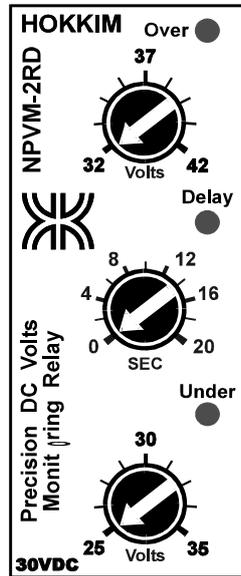
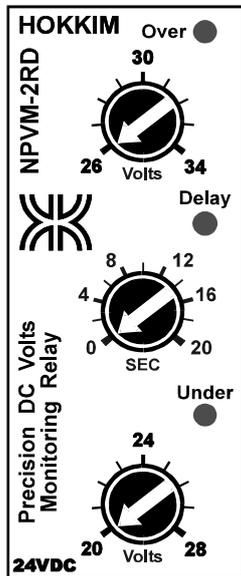
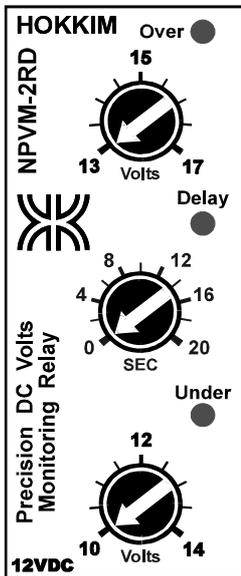
For 30VDC: the under-voltage setting is from 25V to 35V and the over-voltage setting is from 32V to 42V.

For 40VDC: the under-voltage setting is from 34V to 42V and the over-voltage setting is from 38V to 46V.

For 48VDC: the under-voltage setting is from 40V to 56V and the over-voltage setting is from 52V to 68V.

With these ranges, the NPVM-2RD is suitable for monitoring both lead-acid or ni-cd batteries.

Trip time delay can be set at 0 to 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 over and under voltage condition and 1 amber LED to indicate delay conditions.



Technical Data

- Supply Voltage : 12VDC
 24VDC
 30VDC
 40VDC
 48VDC
- Consumption : 1VA
- ON-TRIP Hysteresis : 2%
- Accuracy : $\pm 0.5\%$
- Adjustment Delay : 0 - 20 sec
- Indication : Green LED (Over)
 Green LED (Under)
 Amber LED (Delay)
- Output Contacts : 5A 240V 50Hz AC1
 Relay Up 9-8 Close
 3-5 Close
 Relay TRIP 9-7 Close
 3-6 Close

