

**Prok dv's®**

... a mark of quality

Total Reliability in Power System Protection, Monitoring & Control

ISO 9001-2015

AC VOLTAGE MONITOR

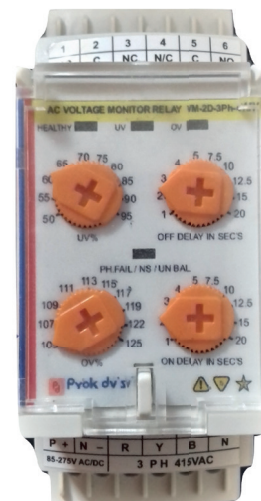
IEEE DEVICE CODE : 27,59

INTRODUCTION :

Prok dv's AC Voltage Monitor is a microprocessor based voltage monitoring and supervision relay for polyphase systems. It can monitor both Under and Over Voltage conditions in the system. Both Under and Over Voltage are associated with definite time tripping characteristics. It has wide range for UV and OV settings as well as operating characteristics on the occurrence of fault.

WORKING PRINCIPLE :

All the line voltages are monitored and sensed simultaneously using three independent scale down potential transducers. This low level ac signal is subjected to signal conditioning, which includes surge suppressors and harmonic filters, filtered signal is fed to the ADC of industrial grade microcontroller. When the sensed voltage exceeds the user set value for Under Voltage and Over Voltage, Phase Reversal or Unbalance, the relay gives an output signal in the form of relay changeover for tripping.



SPECIFICATIONS :

- Monitoring and Supervision of Over Voltage and Under Voltage
- LED indication for Healthy (Green), UV(Red), Phase Failure/Phase Reversal/Phase Unbalance(Red)
- When Phase Fail occurs both UV and Phase Fail LED glows
- Auxiliary Voltage: 85-275V AC/DC for 3 Phase 415V AC
- Under Voltage Setting Range(L-L): 50 -95% (In steps: 50%,55%,60%,65%,70%,75%,80%,85%,90% & 95%)
- UV contacts will trip for: UV, Phase Fail, Negative Sequence and Unbalance conditions (approx. 60V)
- Over Voltage Setting Range(L-L): 105% -125%(In steps: 105%, 107%,109%,111%,113%,115%,117%,119%,122% & 125%)
- Off Delay in sec: 1-20sec(In steps: 1,2,3,4,5,6,7.5,10,12.5,15,20sec)
- On Delay in sec: 1-20sec(In steps:1,2,3,4,5,6,7.5,10,12.5,15,20sec)
- Reset Mode: Auto Reset
- Reset Gap: 5 -10V (approx.)
- Independent contacts for UV & OV
- Mounting: Din
- Output Contact Rating: 5A @ 230V AC, 5A @ 30V DC





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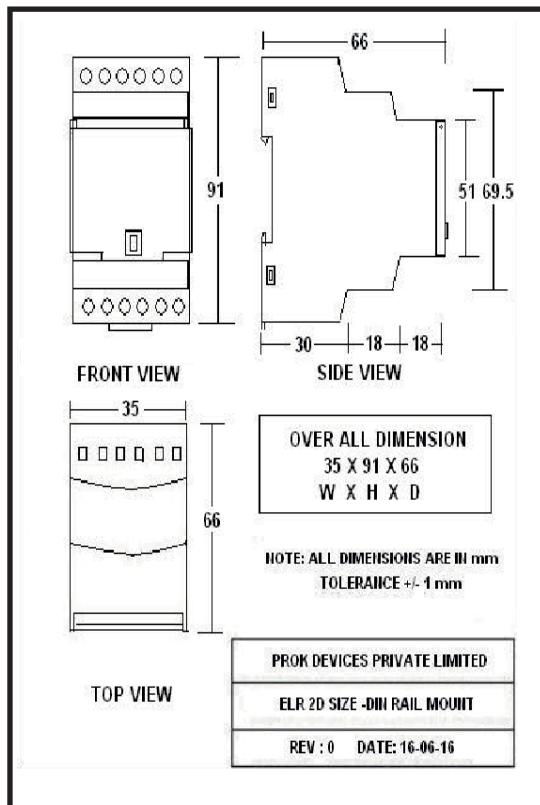
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DIMENSIONS :



For more details please contact

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