

MAKERS OF WIDE RANGE OF OSCILLOSCOPES, D. V. M. S. D. P. M. S. SIGNAL GENERATORS, F. E. T. INPUT MULTIMETERS, POWER SUPPLIES, AND OTHER CUSTOM MADE ELECTRONIC INSTRUMENTS.



ISO 9001 : 2000

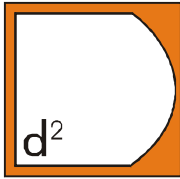
- **UVC & OVC:**

Function:

The *Under/Over* Voltage Monitoring Relay monitors the system voltage continuously. In case of system voltage *drop/rise below/above* the set actuating limit, the electromechanical relay in the device *toggles its state*.

Salient Features:

1. Under & Over Voltage Monitoring Devices are microprocessor-based designs that have automatic switching capability on any of the above (UV/OV) events.
2. In the event of under / over voltage appearing on any of the three phases, the out put will trip.
(For 3- Phase UVC/OVC)
3. Each device comes with *potential free 1NO+1NC changeover contacts* of the rating *10 A* at the output.
4. Complete isolation of output from input.
5. Suitable to work with capacitor duty contactors.
6. Hysteresis of *4-5 volts* is provided.
7. Under voltage & Over voltage actuating limits (settable) are operating voltage -15% & $+ 15\%$



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respectively unless otherwise specified (customization possible).

8. Actuating Delay= $1 \text{ sec.} \pm 20\%$ ($Td2$)
 $= > 25 \text{ msec.} \pm 20\%$ (for 3- phase)
(customization is possible).

9. LED Indications on each of the events.

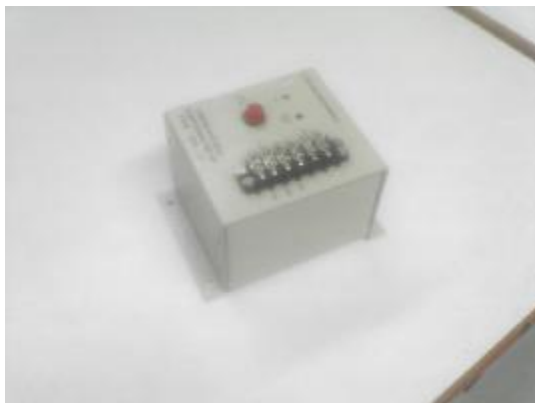
10. Reset Time= $1 \text{ min} \pm 20\%$ ($Td3$)
(customization possible).

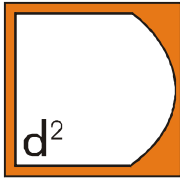
11. On Time Delay= $1 \text{ min} \pm 20\%$ ($Td1$)
(customization possible).

12. Repeat Accuracy $< 1\%$.

13. Operating Temperature: -5°C to $+55^\circ\text{C}$ or
 0°C to $+75^\circ\text{C}$

14. Rated Insulation: $500 \text{ V}, 50\text{Hz}$





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UVC/OVC Selection Chart

Operating Voltage (Uc) VAC	Actuating Limit (VAC)	Part ID	Suitable for Siemens Contactor
	UV		
	OV		
150-280, 50Hz	160	DSS150-1A	3TK40/41
	322	DSS150-1AO	
260-460, 50Hz	270	DSS260-1A	3TK40/41
	530	DSS260-1AO	
230, 50Hz	195	DSS230-1A	3RT
	265	DSS230-1AO	
415, 50Hz	353	DSS415-1A	3RT
	477	DSS415-1AO	
110, 50Hz	93	DSS110-1A	3RT
	127	DSS110-1AO	
440, 50Hz, 3-φ	352 (-20%)	DST440-1A	

