



Features :

- ▶ Over Voltage, Under Voltage, Over Frequency, Under Frequency, Phase Asymmetry, Phase Failure, Phase Sequence and Neutral Loss Monitoring.
- ▶ True RMS Measurement
- ▶ Power On Delay, Trip Time Delay and Recovery Time Delay
- ▶ Adjustable Switching Hysteresis

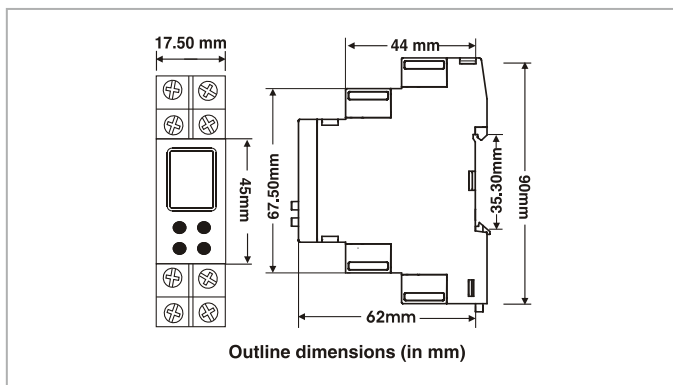
Certifications :

Technical specifications

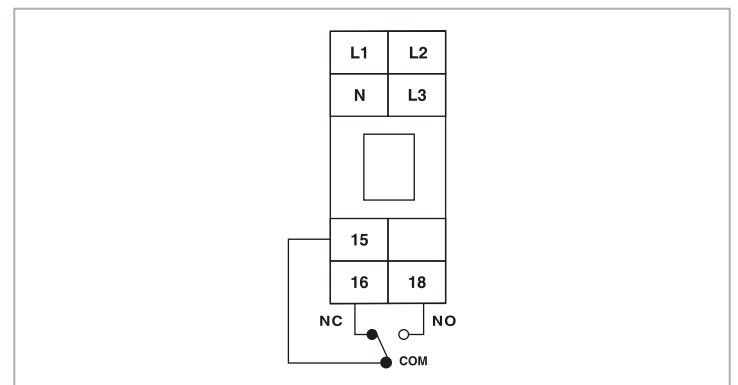
Display specifications			
Display type	Liquid crystal display with backlight		
Total number of digits	6		
Number of keys	4		
Display specifications			
Fault display	Description	Fault display	Description
t.OV	Over voltage	t.AS	Phase Asymmetry
t.UV	Under voltage	t.SQ	Phase Sequence
t.OF	Over frequency	t.PL	Phase Loss
t.UF	Under frequency	t.NL	Neutral Loss
Input specifications			
Operating voltage range	3Ø - 3 wire (L-L): 280 - 600V AC 3Ø - 4 wire (L-N): 160 - 300V AC		
VA rating	25 VA max		
Frequency	45-65 Hz		
Voltage accuracy	±1% of full range		
Time accuracy	±5% of set value ± 250ms		
Output specifications			
Type of relay	1 SPDT Relay (1C/O)		
Relay contact rating	NO : 5A@250V AC / 30VDC (Resistive) NC : 3A@250V AC / 30VDC (Resistive)		
Electrical endurance	10 ⁵		
Mechanical endurance	10 ⁶		
Hysteresis			
Voltage	1.0V - 99.9V		
Frequency	0.2 - 2.0Hz		
Asymmetry	2.0 - 20%		
Trip settings			
Under voltage	280 to 600V AC (L-L) [3Ø - 3 wire] 160 to 300V AC (L-N) [3Ø - 4 wire]		
Over voltage	280 to 600V AC (L-L) [3Ø - 3 wire] 160 to 300V AC (L-N) [3Ø - 4 wire]		
Under frequency	45 - 65 Hz		
Over frequency	45 - 65 Hz		
Phase asymmetry	5 - 99%		

Time Settings	
Power ON delay	0 - 999 sec
Trip time delay	0 - 999 sec
Recovery time	0 - 999 sec
Response Time	
Under voltage	<120ms
Over voltage	<120ms
Phase asymmetry	<120ms
Phase loss	<250ms
Phase sequence	<250ms
Resolution	
Voltage	1 V
Frequency	0.1 Hz
Environmental specifications	
Temperature	Operating : 0 to 55°C Storage : -20°C to 70°C
Humidity	Up to 95% RH, Non-condensing
Mechanical specifications	
No of push buttons	4
Size	17.5mm width
Mounting	Din Rail mount
Wire size (max)	4 sq.mm
Screw tightening torque	0.6-0.8 N-M
Weight	75 gms
Product standard	IEC 60255-1 / IEC 60947-5-1

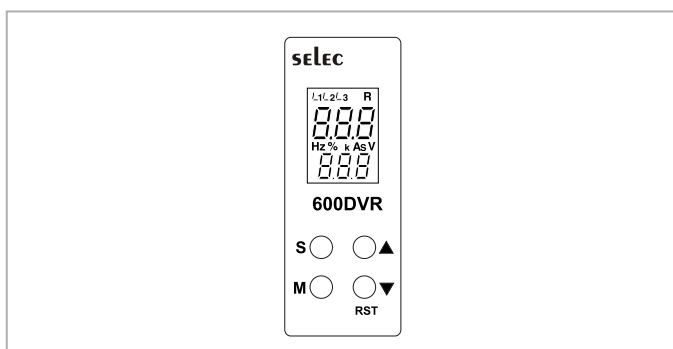
Dimensions (All are in mm)



Terminal connections



Front panel



Compliance

Applicable EMC standards	
Product standard - IEC 60255-1/IEC 60947-5-1	
Category	Reference standards
Electrostatic discharge	IEC 61000-4-2
Electrical fast transient / Burst	IEC 61000-4-4
Electromagnetic field	IEC 61000-4-3
Surge	IEC 61000-4-5
Conducted RF	IEC 61000-4-6
Rated power frequency	IEC 61000-4-8
Conducted emissions	CISPR-22
Radiated emissions	CISPR-11

Environmental

Product standard : IEC 60255-1/IEC 60947-5-1

Safety test standard : IEC 61010-1

1. High voltage test
2. Impulse voltage withstand test
3. Resistance to heat test
4. Single fault test
5. Temperature rise test

Ordering information

Product code	Supply voltage	Certification
600DVR-CE	280 to 600V AC	CE