- RMS measurement
- Power ON delay, Trip time delay and Delay on release
- LED Indication: Relay ON, Power ON
- Adjustable switching hysteresis
- Two separate alarm relays
- Din-Rail Mount



#### **ENVIRONMENTAL SPECIFICATION**

DISPLAY

## 

INPUT SPECIFICATION	S
FUNCTIONS	
MEASUREMENTS	Voltage (V <sub>L-N</sub> , F <sub>L-L</sub> ), Frequency, Phase Asymmetry, Phase Failure, Phase Sequence
TIME SETTING	Power ON delay, Trip time delay and Delay on release
ALARM INDICATIONS	Trip
LATCHING	Selectable
RESET	Auto/Manual reset
ELECTRICAL CONNECTION	3Ø-3 wire, 3Ø-4 wire
SUPPLY VOLTAGE	Self powered
OPERATING RANGE	280 - 520V AC (L-L) 160 - 300V AC (L-N)
VA RATING	30VA max.
FREQUENCY	45 - 65Hz
MEASURING RANGE (RMS Value)	280 to 600V AC (L-L) [for 3Ø-3 wire] 160 to 300V AC (L-N) [for 3Ø-4 wire]
TRIP SETTINGS	
UNDER VOLTAGE	280 to 600V AC (L-L) [for 3Ø-3 wire] 160 to 300V AC (L-N) [for 3Ø-4 wire
OVER VOLTAGE	280 to 600V AC (L-L) [for 3Ø-3 wire] 160 to 300V AC (L-N) [for 3Ø-4 wire]
	45 6511

Liquid Crystal Display

3 Digits

	160 to 300V AC (L-N) [for 30-4 wire]	
UNDER FREQUENCY	45 - 65Hz	
OVER FREQUENCY	45 - 65Hz	
PHASE FAILURE	Yes	
PHASE SEQUENCE	Yes	
PHASE ASYMMETRY	5.0 - 99.9%	

\* For 3Ø-3W, at least 2 phase must be present \* For 3Ø-4W, at least 1 phase must be present





# Voltage Phase Monitor

TRIP TIME SETTINGS	
POWER ON DELAY	2 - 99.9 Sec
TRIP TIME DELAY	0 - 99.9 Sec
DELAY ON RELEASE	0 - 99.9 Sec
<b>RESPONSE TIME</b>	<200ms
HYSTERESIS	
VOLTAGE	1.0- 99.9V
FREQUENCEY	0.2 - 2Hz
ASYMMETRY	2 - 20%
RESOLUTION	
VOLTAGE	1V
FREOUENCY	0.1Hz
ACCURACY	
VOLTAGE	±1%
FREQUENCY	±0.3Hz
TIME (Recovery Time, Trip Delay,	$\pm$ 5% of setting + 200ms
Power ON Delay)	
rower on beidy	
OUTPUT SPECIFICATION	
NO. OF RELAYS	2
TYPE OF OUTPUT	45 - 65Hz
(Relay 1) (Relay 2)	SPDT SPDT
RELAY RATING	N/O: 5A @ 250V AC
	N/C: 3A @ 250V AC
LED INDICATION	
LED 1 (Green	Power ON
LED 2 (Red)	Relay 1 (Continuously ON after trip)
LED 3 (Red)	Relay 2 (Continuously ON after trip)

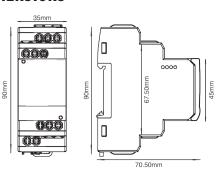
### **ENVIRONMENTAL SPECIFICATION**

AMBIENT TEMP.	Operating Temp: 0°C to 50°C
	Storage Temp: -20°C to 70°C
HUMIDITY	95% RH
(Non-condensing)	
POLLUTION DEGREE	IP50 Faceplate
	IP30 Housing
	IP20 Terminals

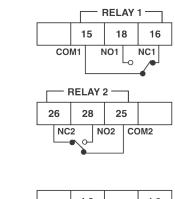
#### MECHANICAL SPECIFICATIONS

3
35mm width
Din Rail Mount
135 g
1 x (0.5 to 4) Sq. mm
2 x (0.5 to 1.5) Sq. m
1 x 0.5 TO 2.5) Sq. mm
0.5 N-M

## **DIMENSIONS**



## **TERMINAL CONNECTIONS**



L2	L3

Ν	L1	

## **ORDERING INFORMATION**

PART NUMBER	OPERATING RANGE	
DPR350C	300-600V AC	

EMC

ELECTRICAL COMPATIBILITY	IEC 61326-1
ESD IMMUNITY IEC 61000-4-2	Level 3
SURGE IMMUNITY IEC 61000-4-5	±2 kV common mode, ±1 kV differential mode
RADIATED SUSCEPTIVILITY IEC 61000-4-3	Level 3, 80 - 1000 MHz
CONDUCTED SUSCEPTIBILITY IEC 61000-4-6	LEVEL 2
VOLTAGE DIPS & INTERRUPTION	Dips: 0% residual voltage/ 1 cycle (Crit B.)
IEC 6100-4-11	40% residual voltage / 10 cycles 50 Hz/ 12 cycles 60 Hz (Crit C)
	70% residual voltage / 25 cycles 50 Hz . 30 cycles 60 Hz (Crit C)
	Interruptions: 0% residual voltage / 250 cycles 50 Hz / 300 cycles 60 Hz (Crit C)
CONDUCTED EMMISSIONS	CISPR-11 & IEC 61000-6-3
RADIATED EMISSIONS	CISPR-22
ELECTRICAL FAST TRANSIENT:	Level 3

IEC 6100-4-4