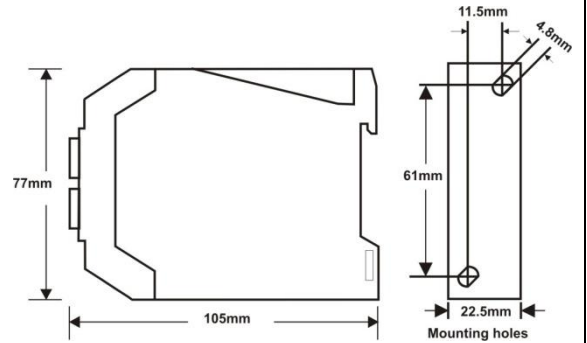










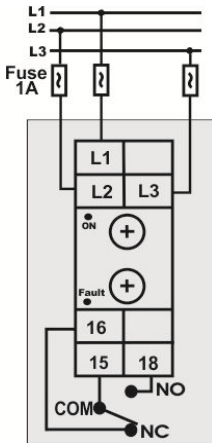


VOLTAGE PROTECTION RELAY



Dimensions

All dimensions in mm

FEATURES			LED INDICATION CHART		
			CONDITION	RELAY	FAULT LED
			Nominal	ON	OFF
			Phase Reversed	OFF	ON
			L-L Over/Under Voltage	OFF	Blinking at 5Hz
Phase Missing	OFF	Blinking at 2Hz			
FUNCTIONAL SPECIFICATIONS	PHASE SEQUENCE MONITORING	Yes	SWITCH SETTINGS		
	PHASE FAILURE MONITORING	Yes	<div>DIP Switch Trip Delay</div> <div>ON↓  0.2 Sec</div> <div> 0.4 Sec</div> <div> 0.6 Sec</div> <div> 0.8 Sec</div> <div> 1.0 Sec</div> <div> 2.0 Sec</div> <div> 4.0 Sec</div> <div> 6.0 Sec</div> <div> 8.0 Sec</div> <div> 10.0 Sec</div>		
	UNDER VOLTAGE TRIP RANGE	310 to 405V AC (L-L) (25% to 2.5% of 415V settable by POT)			
	OVER VOLTAGE TRIP RANGE	425 to 520V AC(L-L) (2.5% to 25% of 415V settable by POT)			
	TRIP DELAY(T)	0.2 to 10 Sec (Settable by DIP switch)			
	TRIP TIME ACCURACY	±3% of full scale			
	RESPONSE TIME	200mSec. max.			
	POWER ON DELAY	250mSec.			
AUXILIARY SUPPLY SPECIFICATIONS	SUPPLY VOLTAGE RANGE	310 to 520V AC(L-L), 50Hz (±10%), 3Ø /3Wire (Recommended fuse : 1A, 230V AC fast blow)			
	NOMINAL AUXILIARY VOLTAGE	415V AC(L-L)			
	POWER CONSUMPTION	20VA Max			
ISOLATION	Supply terminals – Contact : 1.5KV, 1min				
OUTPUT SPECIFICATIONS	OUTPUT CONTACT	SPDT (1 C/O)			
	CONTACT RATING	NO : 5A, NC : 3A @ 250V AC, Resistive			
ACCURACY	± 3% of full scale				
RESET	On interruption of power, On removal of fault condition				
ENDURANCE	POTENTIOMETER	MECHANICAL : 1000 Cycles / Stepper Type (10 Steps)	TERMINAL CONNECTIONS		
	RELAY	MECHANICAL : 10,000,000 ops. Minimum (1800 ops./h) ELECTRICAL : 100,000 ops. Minimum (1200 ops./h)			
AMBIENT CONDITIONS	OPERATING AMBIENT	0~55°C, 85% RH			
	STORAGE AMBIENT	-20°C to 85°C			
	HUMIDITY	95% RH non condensing			
GENERAL SPECIFICATIONS	TERMINATIONS	Screw type, for 2.5mm sq. wire			
	MOUNTING	DIN rail / Base mount			
	WEIGHT	120 gms			
	PROTECTION LEVEL	IP40 for housing, IP20 for terminals, Finger safe terminals			
ORDERING INFORMATION	VPR, - 415V				
	DESIGN NO.	AUXILIARY SUPPLY VOLTAGE			
	VPR	415V AC(L-L), 3Ø / 3Wire			

