

Reverse Power Relay

RPR-01

Features

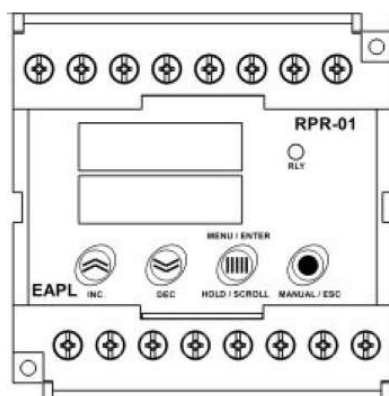
- Auto / Manual mode.
- Front button resetting facility is available in manual mode.
- High brightness numeric LED display for parameters and numeric values
- LED indication for relay status.
- Window displays the type of fault that has occurred during unhealthy condition
- Trip delay time and limits for each parameter can be set digitally
- Unwanted parameters can be by-passed as per User's choice.
- Relay can be configured to have NO or NC status during healthy condition.
- Unit will retain fault till accepted in manual mode.
- Window displays the type of fault that has occurred during unhealthy condition.



Ordering Information

Models	Function	Source Voltage	Output Voltage
RPR-01	Reverse Power Relay	85-270V AC, self powered	1 c/o 5A

Front View RPR-01



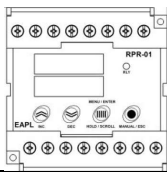
Over-all Dimension

Models	Dimension Details in mm		
	W	H	D
RPR-01	76	78	115

■ Specifications

Parameters	Models	RPR-01
Function		Reverse power, Under Voltage, Over Voltage Monitor
Input Voltage		85 to 270V AC
Input Current		Current input (AR) Ib=5A (in-Built CT)
Input Frequency		50 / 60Hz \pm 5%
Control output		1c/o rated for 5A @ 250VAC/28VDC resistive load
Accuracy	Voltage	\pm 4V of display value
	Current	\pm 5% of Ib \pm 1 digit (Ib = 5A)
	Trip Time	\pm 1% of set delay \pm 2 sec
Power Consumption		5VA/ 1W
Trip Setting	Under Voltage	85 to 230V AC
	Over Voltage	250 to 270V AC
	Reverse Current	2% to 20% of Nominal
	Minimum sensing current	0.1A
	Maximum setting current	5A(Above 5A>Ext. CT can be used, CT setting max.500/5 in steps of 5
	Nominal current	5A
	Recovery Time	2 sec Min
	Power On Delay	1 to 10 sec settable
	Mode of Operation	Auto/ Manual
	Hysteresis	Voltage: \pm 3V Current : 2% to 6% of full scale
Climatic	Ambient Temperature	Operation: -10 ⁰ C to +55 ⁰ C Storage : -25 ⁰ C to +80 ⁰ C
	Humidity	MAX 85% RH @ 40 ⁰ C
Mechanical Endurance	Service life (under no load)	10 ⁶ operation minimum
	Rated frequency of operation	1800 +/- 5%operations
	Electrical life (under full load)	10 ⁵ operation minimum
	Insulation resistance	>100M ohm @500V DC
	Dielectric strength	a)2.5KV AC, 50 Hz for 1 minute.(Between current carrying & non-current carrying parts) b)1.5KV AC, 50Hz for 1 min.(Between contacts & control circuit) c)750V AC, 50Hz for 1 min.(Between non continuous relay contacts)
	Electrical connection	Screw type terminals with self lifting clamps
Dimension (W x H x D)		76X 78X 115 mm

Connection and Terminal Details

Connection Details	RPR-01
	
Terminal Details	RPR-01
	1,2 - P, N 9, 10 - S1, S2 14, 15, 16 - NC, COM, NO)