



RPR415

Features

- Reverse power monitoring
- 3-phase-4-wire system
- Adjustable reverse power setting
- Adjustable tripping time delay
- Indicators for auxiliary power, trip delay and trip status
- Test button
- ANSI Code : 32

Product Description

The RPR 415 relay is a directionally controlled timing relay used to protect AC generators from motoring. When such a condition occurs and the reverse current exceeded the customer adjustable preset limit and the current persists for a predetermined delay time, the trip relay operates to disconnect the circuit.

Technical Data

INPUT

Rated voltage (U_N) : 380 ~ 440 V AC
 Rated current (I_N) : 5 A
 Rated frequency : 50 or 60 Hz
 Overload : $1.2 \times U_N, 2 \times I_N$ continuous
 $1.2 \times U_N, 10 \times I_N$ for 3 sec

OUTPUT CONTACTS

Rated voltage : 250 V AC/DC
 Contact rating : 5 A
 Expected electrical life: 100,000 operations at rated current
 Expected mechanical life: 5×10^6 operations

SETTING RANGES

Range : 2% to 20% reverse current with 1% Hysteresis
 Time delay : 0 sec to 20 sec

INDICATORS

Auxiliary supply : Green indicator
 Delay : Red indicator
 Trip : Red indicator

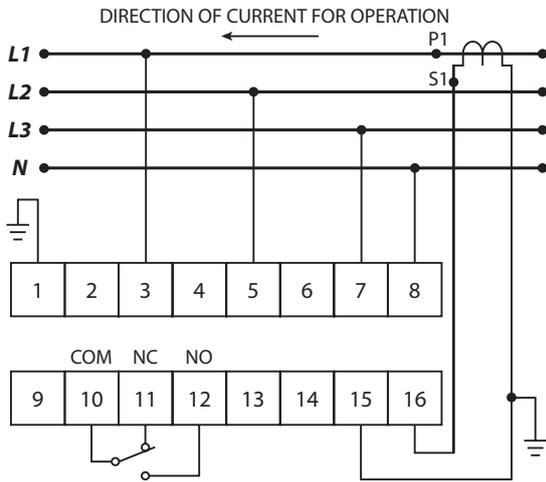
ENVIRONMENTAL CONDITIONS

Temperature : -5°C to $+55^\circ\text{C}$
 Humidity : 56 days at 93% RH and 40°C non-condensing

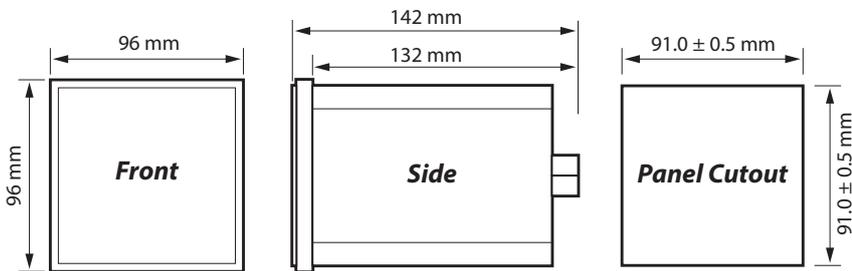
MECHANICAL

Mounting : Panel mounting
 Dimension (mm) : 96(w) x 96(h) x 142(d)
 Approximate weight : 0.8 kg

Typical Application Diagram



Case Dimensions



Ordering Information

MODEL **DESCRIPTION**

RPR415 Auxiliary voltage 380 ~ 440 V AC