

R-Y-B WATCHDOG WITH PHASE FAILURE ALARM

AUDIO, VISUAL INDICATION
A must for all factories



- ▶ High Hooter Alarm O/p incase of Phase Failure
- ▶ Built Single Phasing Indicator
- ▶ Long life LED base R-Y-B Indications (> 1,00,000 Working Hours)
- ▶ O/p alarm works on Battery for Reliability
- ▶ O/p alarm One Time or Suspend/Manual operation
- ▶ Panel / Wall Mounting Facility
- ▶ Single unit sufficient for the Entire Factory.

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ABOUT 'R-Y-B'

R-Y-B WatchDog indicates the incoming R, Y, B phases thru 10 mm Bright Coloured LED's (working life of LED's more than 1,00,000 hours). It also has a built in Single Phasing Battery operated Hooter Alarm incase of Phase Failure.

PRINCIPLE OF 'R-Y-B' OPERATION

Apart from Indicating the three phases, R-Y-B WatchDOG senses the negative sequence voltage condition of all three phases continuously, while monitoring, if it defects a change, i.e. if a incoming I/P phase fails its sounds a Alarm for required Immediate Action. The output in case of a phase failure condition is audio visual. The visual indication is thru a Red coloured LED ON the front and the audio indication is thru a dual tone high output (105db+) buzzer. This audio output works on mains [residual phase]. Hence even if the phase fails, there would be an audio output for instant alarm.

This alarm output can be put OFF in two conditions

- 1) TEMPORARILY SUSPEND
- 2) PERMANENT BYPASS

WHERE 'R-Y-B WATCHDOG' CAN BE USED?

R-Y-B WatchDog can be used for the main I/p phase monitoring from the electricity supply to continuously monitor all the three phases. Alternatively R-Y-B WatchDog has a relay output facility which can be used to trip any switch gear. It is an Ideal & Must Instrument for every Factory using Three Phase Power right from Cement, Sugar, Food, Rubber, Paper, Plastic, Chemical, Engineering, Breweries, Distilleries, Textile, Hotel, Foundry, etc. to name a few.

In short we recommend R-Y-B WatchDog for every Factory, Large Commercial Complexes, Semi Commercial Establishments, Electricity Boards, etc. We also recommend this Instrument to all Panel Manufactures to increase the Reliability and Safety. A Single R-Y-B Indicator is sufficient for Panel / Feeder / Entire factory.

TECHNICAL SPECIFICATIONS

- System Supply Voltage : 230VAC +/- 20% @ 50Hz
- Auxiliary Supply : Internally given from R phase, Neutral to be given
- Output : 1 C/o 6A @ 230VAC (Resistive)
- Alarm O/P : > 105db at 30cm (working from 9V battery)
- Unbalanced Voltage : 40V +/- 6V fixed
- Trip Time delay : 2 to 5 secs.
- Resisting Mode : Auto Reset/Manual Temp. Suspend/By-pass mode
- Indications : R-Y-B thru 10 mm coloured LED's (Trip 3mm Red LED)



Manufactured by :

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Product improvement is a continuous process, Data given in this publication is, therefore, subject to revision