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RYB SEQUENCE CORRECTOR MANUAL / CATALOG

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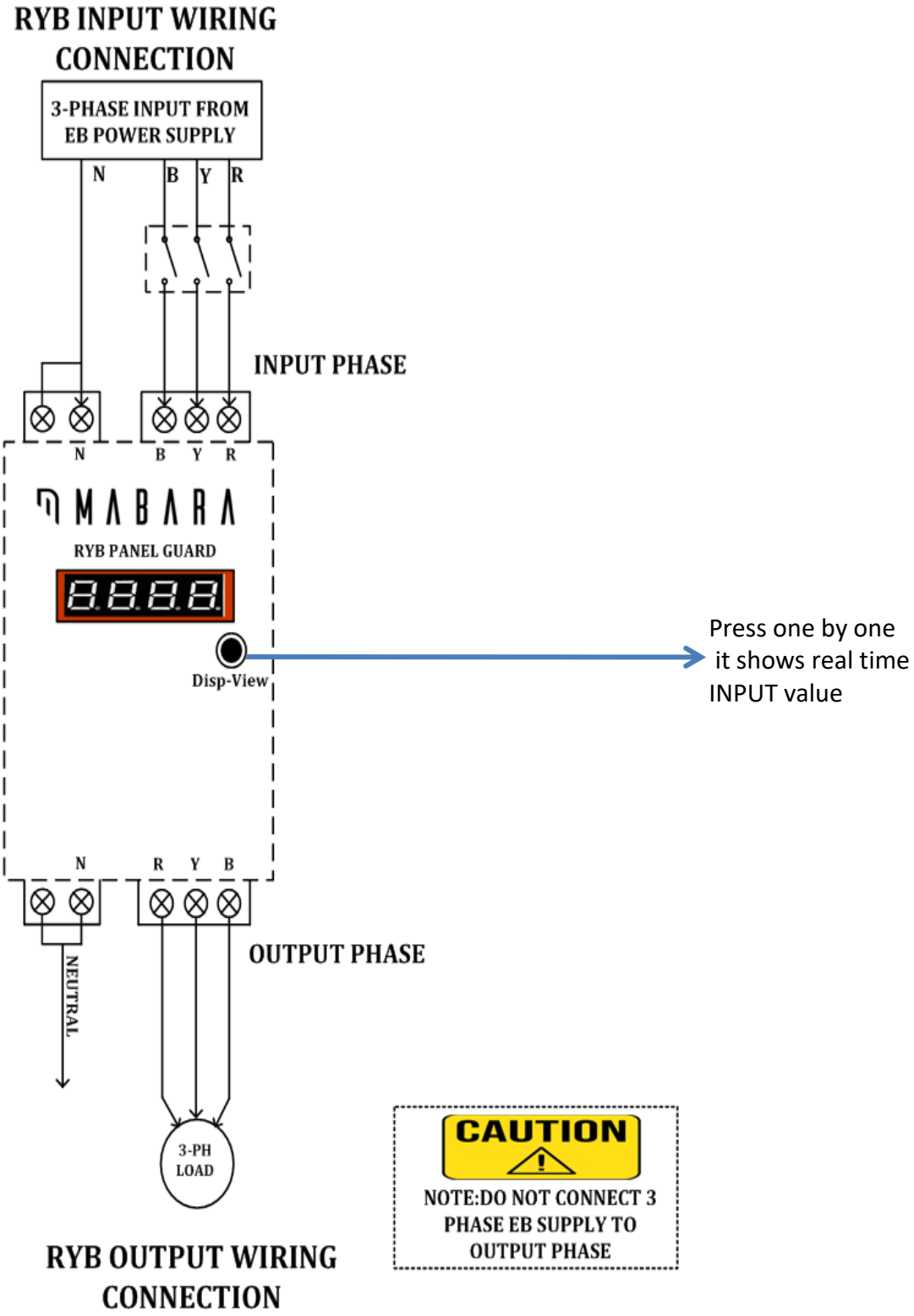




APPLICATIONS

- Lift and Hoist
- AC Compressor
- Agricultural water Pump
- Petrol pumps
- 3 Phase UPS
- Tablet Punching machine
- All three Phase motor applications

RYB SEQUENCE CORRECTOR WIRING DIAGRAM

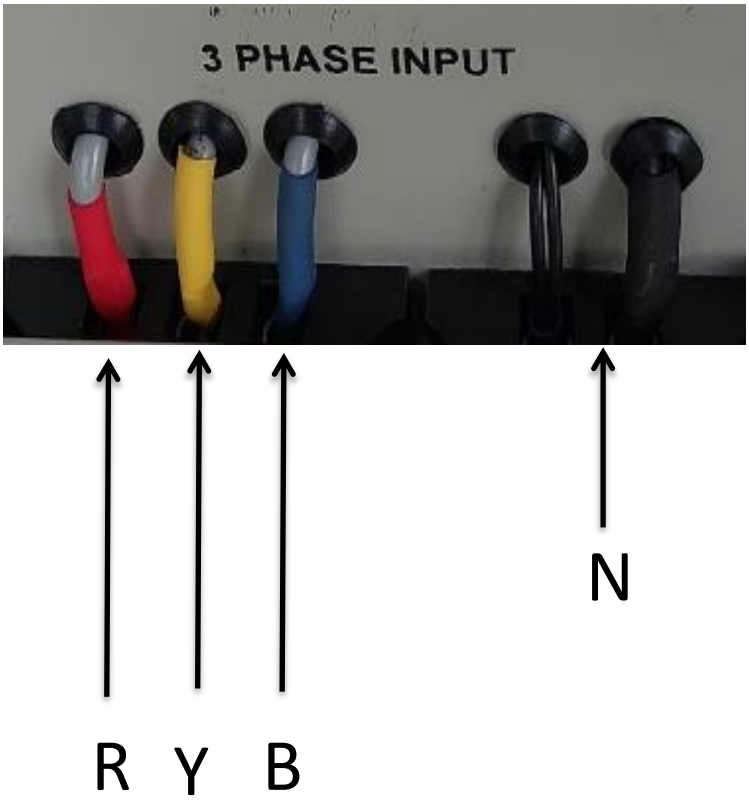


INPUT WIRING CONNECTION



INPUT 3 PHASE + NEUTRAL

GIVE SUPPLY FROM EB MAIN POWER AC

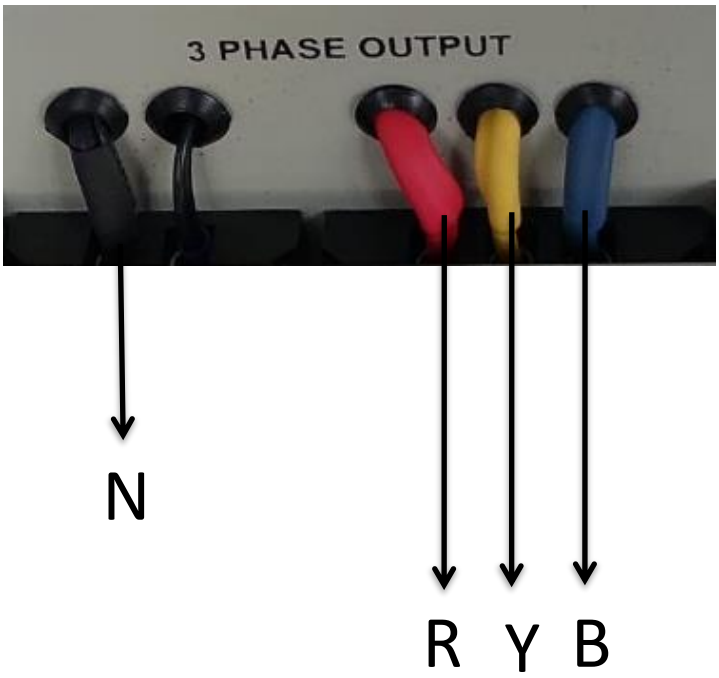


OUTPUT WIRING CONNECTION



⚠ CAUTION

DO NOT CONNECT
MAIN EB SUPPLY IN OUTPUT PHASE





“R 218” INDICATION

It shows “ **R** ” phase, depends on field input voltage

“Y 218” INDICATION

It shows “ **Y** ” phase ,depends on field input voltage

“B 218” INDICATION

It shows “ **B** ” phase, depends on field input voltage

These (**R 218**) (**Y 218**) (**B 218**) above indications are just shows when **RYB** ON



"RYB" INDICATION

Input **RYB** Sequence
Connection in **RYB** is Correct

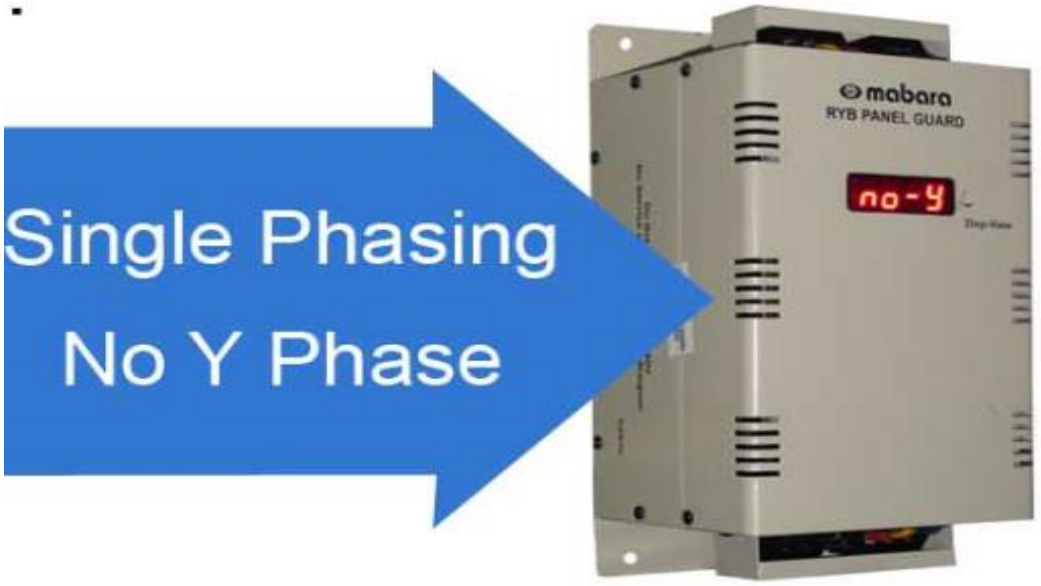
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"RBY" INDICATION

RBY indicates the input sequence is wrong.
Output will be corrected automatically as
R-Y-B irrespective of input sequence.

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"no – y" INDICATION

If no INPUT in " **Y** " their will be no output as well

Input **Y** Phase has to check

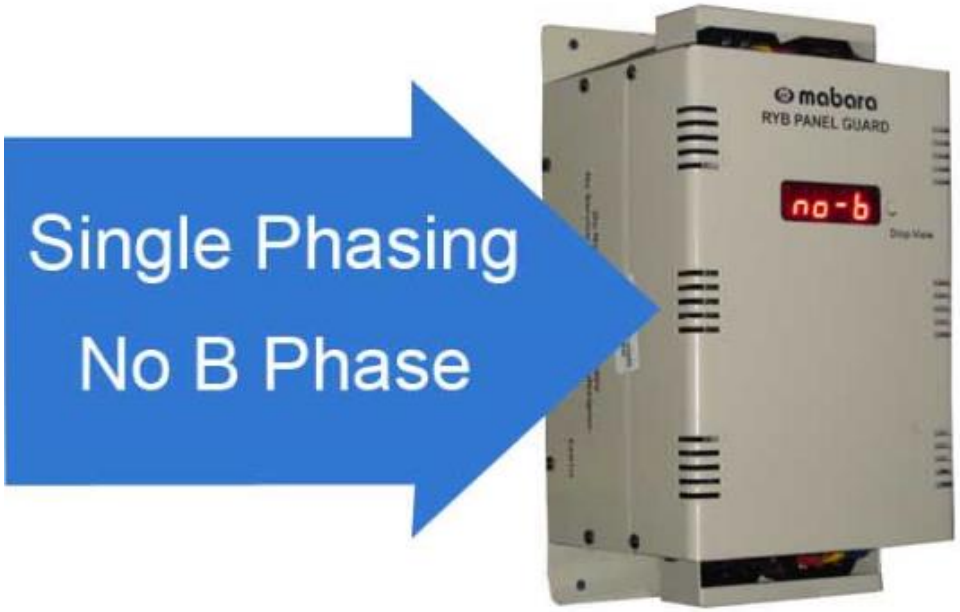
If Y Phase Supply is not proper / abnormal

Rectify the same

In Case the **Y** Phase Supply is OK in your Site / Place

Kindly approach Mabara Technical or Service Support

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"no – b" INDICATION

If no INPUT in " **B** " their will be no output as well

Input **B** Phase has to check

If **B** Phase Supply is not proper / abnormal

Rectify the same

In Case the **B** Phase Supply is OK in your Site / Place

Kindly approach Mabara Technical or Service Support

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"H270" INDICATION

H270 will be indicated if the phase to neutral voltage is above **270V**.

As a protection, the outputs will be switched off

↓

Check main Input Supply , rectify the main supply and ensure the range is between 170 Volt To 270 Volt.

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"L170" INDICATION

L170 will be indicated if the phase to neutral voltage is be0low 1**70V**.
As a protection, the outputs will be switched off

Check main Input Supply , rectify the main supply and ensure the range is between 170 Volt To 270 Volt.

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" LooP " INDICATION

Loop will be indicated if there is loop between the phases (eg Instead of RYB, RRY is given)
As a protection, the outputs will be switched off

↓

Check main Input Supply , rectify the main supply loop issue

ERROR CODE

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ERROR--- E001

Recommended to contact Direct Technical/Service Support.

- Error 001 indicates due to either one of the below error and the output will be switched off as preventive measure
  - RYB will not work properly due to weak Contactor Coil
  - Loose connection Inside the RYB Box indicates
  - PCB Component Failure

IF RYB NON FUNCTIONING WITH OR WITHOUT INDICATION / DISPLAY
Recommended to contact Technical Or Service Support.
Contact no: 9789064816

ONE PAGE SUMMARY

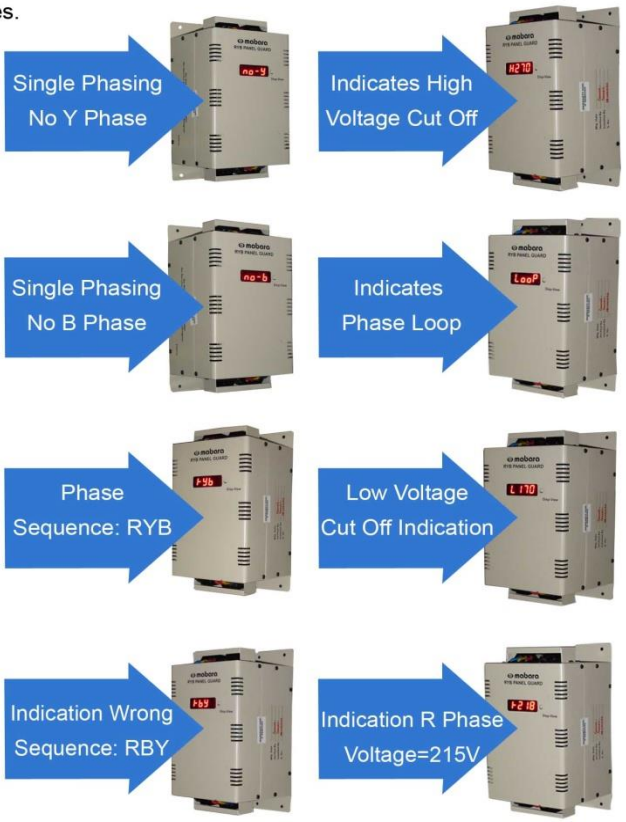
RYB PHASE SEQUENCE CORRECTOR

The following product would be an interesting and for most of us andnot particularly noted by other electronic product developers.Three phase induction motors are widely used in Elevators (Panel without V3F unit) especially for low cost version. The inherent property of the induction motor is that the direction of the rotation will be reversed when RYB sequence (phase sequence) is changed. This sequence change will normally happen after the maintenance work in Electricity Board or because of human error.

It is very danger to the Elevator applications that the lift may go down even after the call is registered to go up.Mabara mfg. Company is giving a solution for running your motor in same direction even for any phase sequence.The inbuilt microprocessor in Mabara RYB Phase Corrector checks the phase sequence continuously and automatically corrects the RYB sequence

KEY FEATURES

- Each phase voltage Indication of R, Y, B Phases.
- Fail safe mechanism for enhanced protection
- Correct Automatically Phase sequence
- High voltage Low voltage cut off
- Phase Loop and phase fail indication
- Inbuilt Single-phase - preventer
- Easy installation
- Available from 5HP TO 150 HP





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