

MODE OF OPERATION

The RR2A controls the direction of 3-phase motors rated up to 5.5 Kw. It is possible to run either in a forward or reverse direction.

A control voltage is required on terminals A1-B2 to run in forward direction or A2-B2 to run in the reverse direction.

This is indicated by a dual colour LED which turns bright green showing the forward direction and bright Red for reverse direction.

The interlock function is active when both control signals (forward and reverse) are applied simultaneously. It has the ability to prevent any short circuits between 2 phases at the output.

It is recommended to install an appropriate semiconductor fuse in series with the relay.

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FUSING CONSIDERATIONS

Fuses should be suitable for use on a circuit capable of delivering not more than **x kArms** symmetrical amperes, 600V maximum, when protected by Class RK5 fuses, rated maximum 225% of Full Load Ampere, and 600 Volts.

where $x = 5$ for models RR2x40x150 and RR2x48x220 and
where $x = 10$ for models RR2x40x400 and RR2x48x550

For type 2 protection co-ordination, the rated short circuit current is 10kA when protected by semiconductor fuses of type 6.9xx Cp gRC 14.51 from Ferraz Shawmut. (xx = 00 or 21)

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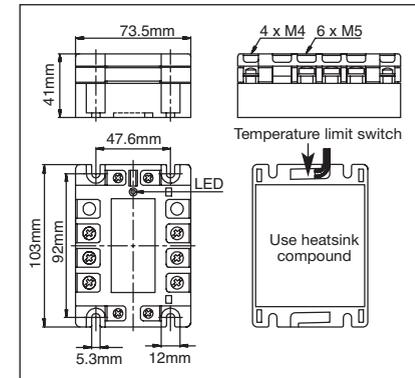
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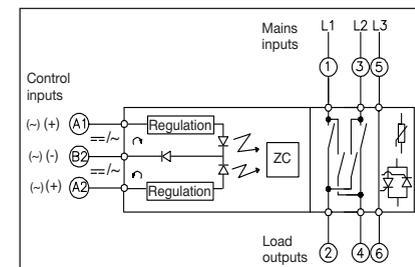
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WIRE SIZES I WIRE SIZES | WIRE SIZES I WIRE SIZES I WIRE SIZES I WIRE SIZES

Control Terminal | Control Terminal

Mounting Screws | Mounting Screws M4

Mounting Torque | Mounting Torque ≤ 0.5 Nm

Wire size | Wire size
max. 2 x 2.5mm² (AWG 14)
min. 2 x 10mm²

Power Terminal | Power Terminal

Mounting Screws | Mounting Screws M5

Mounting Torque | Mounting Torque ≤ 2.5 Nm

Wire size | Wire size
max. 2 x 6mm² (AWG 8)
min. 2 x 1mm²