

Quad Occupancy Detector High Current Kit Notes

The suggested order of assembly described in the Assembly Instructions applies to the high current version.

Currently, the 8 ampere bridge rectifiers are supplied with heat sinks attached with heat compound applied. Heat sinks are installed with the proper tightness and should an adjustment be needed, do not over tighten.

Heat sink fins angle out slightly in order to clear the next bridge rectifier. The bottom fin is generally angled out slightly less to ensure clearance between it and the pins of the nearby opto-coupler. If slight adjustment of the angle is necessary, use caution in order to prevent damaging the heat sink.

Track Current Limits

The bridge rectifiers used in the high current version are capable of carrying up to 8 amperes of continuous current. However, the terminal blocks used to connect the detector to the power bus and track feeders have a maximum current limit of 16 amperes.

This means that the maximum current feeding from the power bus is 16 amperes.

The sum of the current drawn by all four blocks, plus the current fed to a downstream detector (if the second power input terminal is used for this purpose) should not exceed 16 amps.

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