

App. Note Fusing the Wattnode®

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This diagram shows the WattNode with fuses on the line input wires. Fuses or circuit breakers are recommended when connecting the WattNode to high voltage and/or high current loads. Several WattNodes can be connected to one fuse block if the loads being measured share the same voltage lines. The connection for delta WattNodes (three-wire circuits) is the same, but without neutral. We recommend a 3 Amp or smaller fuse. Littelfuse and Bussmann make Midget or Type M (13/32" x 1-1/2") fuses rated for 600V.

We recommend the Littelfuse Midget Fast-Acting K LK Series (100,000 amp interrupting rating) or the Bussman KTK Limitron Fast-Acting fuses. For circuits up to 240 V AC, you can also use the lower cost Bussman FNM Time-Delay fuses (same size). Both companies make fuse blocks for use with these fuses. Littelfuse and Bussmann fuses and fuse blocks are available from Digi-Key (1-800-344-4539).

For circuits up to 240 V AC, there are several styles of smaller and less expensive fuses and fuse holders available, such as the 3AG (1/4" diameter, 1-1/4" length), or the metric 5x20mm.

