

Re: Resistive load / Inductive Load ??

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From: news (news_at_abc.com)

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Thanks.

I have seen several projects that differentiate between the two and wasn't sure what they referred to.

"Joe McElvenney" <ximac@btinternet.com> wrote in message
news:VA.00000054.00a1958a@btinternet.com...

> Hi,

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>

>> *Can someone tell me what a Resistive Load and Inductive Load are ??*

>> *Im thinking a light bulb is a resistive load. After that Im not sure ?*

>

> *Yes, a light bulb would be a resistive load. This happens when the
> voltage across and current through it are in phase (in step). Normally
> any component that consists of a pure resistance (i.e. not having any
> inductance or capacitance as a part of it) could be used as a resistive
> load. There is however the special case where there are inductors and
> capacitors in the load but their effect cancels out at certain
> frequencies (e.g resonance).*

>

> *A typical inductive load would be an electric motor or a transformer.
> The inductance present alters the phase between the voltage and current
> but no power is lost in it, only in the resistive part. The same holds
> for a capacitive load except that the phase shift is the other way
> round. A typical capacitive load might be some sort of transducer used
> say in an alarm.*

>

> *Obviously, unless there is a capacitor in series, all loads are
> resistive at DC although the situation is more complicated until the
> current has settled to its final value.*

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> Cheers – Joe

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