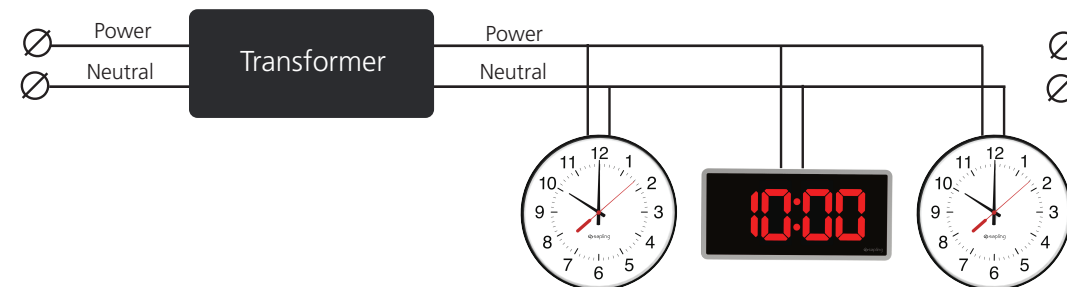


POWERING 24 VAC CLOCKS USING A TRANSFORMER

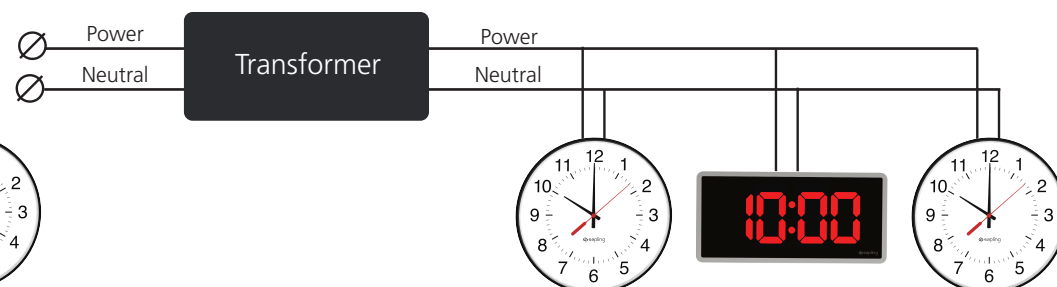
115 VAC or 230 VAC
Voltage Input
depending on the
transformer

24 VAC Output



115 VAC or 230 VAC
Voltage Input
depending on the
transformer

24 VAC Output



* Depending on the number of clocks on the run, you might need a transformer with a higher capacity or more than one transformer.

In a Sapling Wired, Wireless, or Wi-Fi Clock System, Sapling offers the option of analog or digital clocks powered at 24 VAC. In this low voltage application, a transformer will reduce local power to 24 VAC and provide 24 VAC to the clocks. The clocks will be wired to the transformer in a parallel (T-tap) connection, and therefore an issue with one clock will not affect any other clocks in the system.

What to Consider

The number of Sapling Clocks that can be powered by one transformer depends on:

- The current capacity of your transformer
- The current consumption of your Sapling Clocks
- The thickness (gauge) of the electrical wires you are using
- The distance between the transformer and the last clock on the run
- The minimum voltage input of your Sapling Clocks
- The current consumption and minimum voltage input can be found on the clock's specification sheet at: <https://sapling-inc.com/spec-sheets/>
- When using Sapling Digital Clocks, be sure to recognize the correct information based on your clock's size, number of digits, and display color.

For assistance in making your calculation, please visit: https://www.powerstream.com/Wire_Size.htm

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