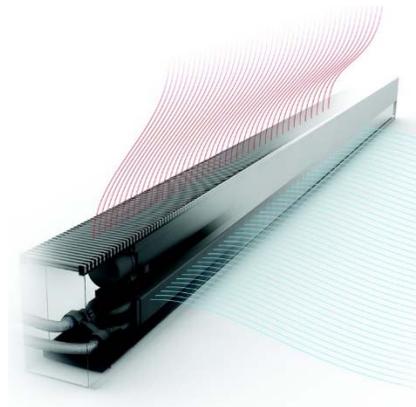


POWER AND LOW VOLTAGE WIRING FOR JAGA DYNAMIC PRODUCTS

Clima-canal



Slim-Clima-canal



Quatro-canal



Briza



This document outlines power, wiring and control requirements to ensure Jaga products function and are installed correctly.

These specific Jaga dynamic products are all low voltage 24VDC.

Jaga fans require: 1) 24VDC power
2) 0-10V analog signal

Generally, power is converted from 120VAC to 24VDC using a Jaga provided power supply.

Numerous Jaga products can be wired in series, with the low voltage power daisy chained from one Jaga unit to the next. The quantity of Jaga products that can be powered from of a single 120VAC-24VDC power supply is as follows:

Jaga Briza - maximum 4 units for a single power supply

Jaga Clima-Canal - maximum 9 units for a single power supply

Jaga Slim-Clima-canal - maximum 9 units for a single power supply

Jaga Quatro-Canal - maximum 9 units for a single power supply

NOTES:

-Division 16 to connect the 120VAC side of the 120VAC-24VDC power supply and must be placed in an electrical enclosure (supplied by Div. 16), located remotely from the Jaga unit.

-Division 15 to run 16AWG stranded wire to the Jaga units, not exceeding 150ft in length from the power supply to the first Jaga unit.

120VAC-24VDC Wiring and power with the Jaga fan controller:

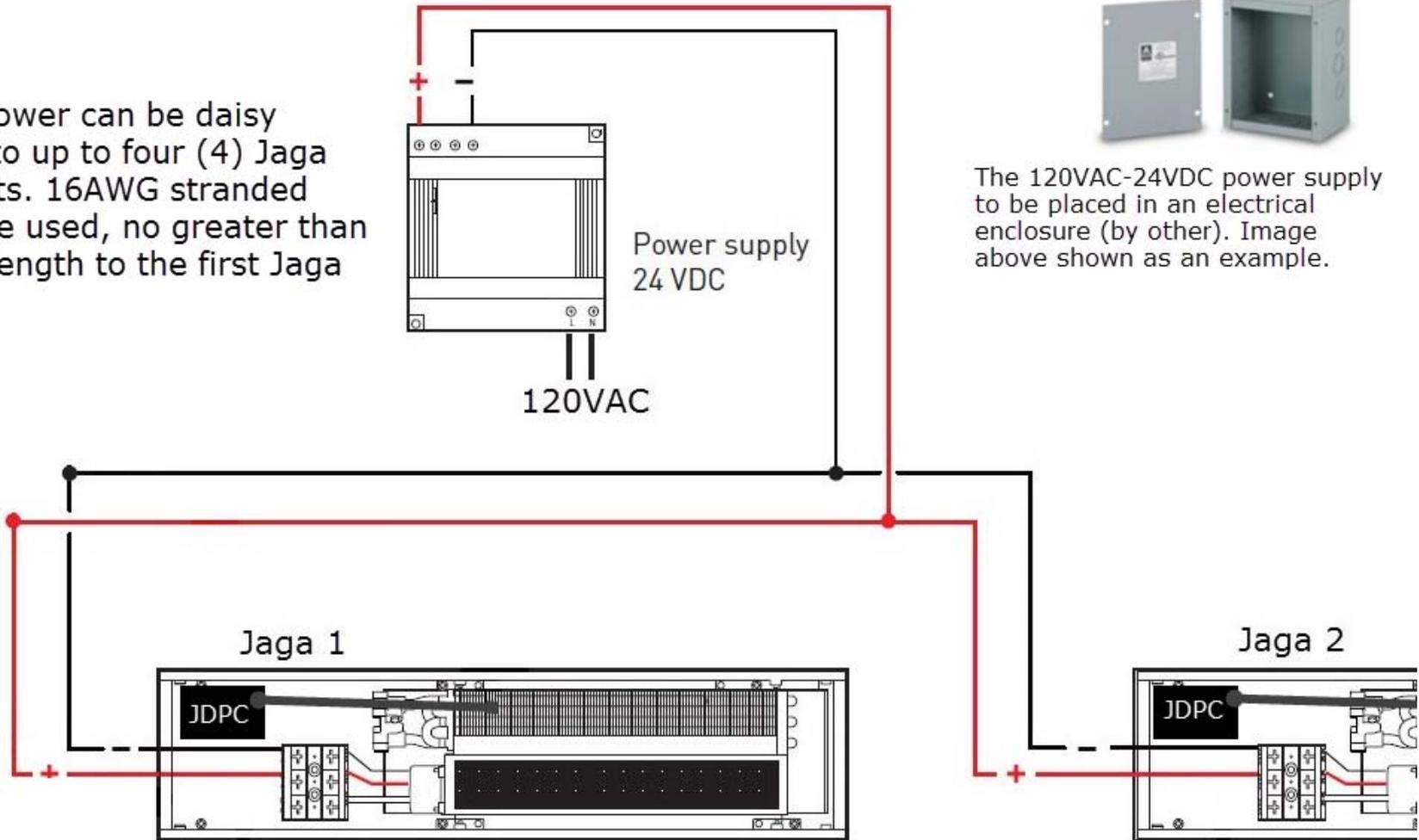
For projects where it is not possible to provide a 0-10V signal, Jaga has developed a small, compact fan controller. The fan controller is factory wired and installed and eliminates the requirement for a 0-10V signal (controller generally used for residential projects).

The fan controller (JDPC.001) triggers the fan to turn on whenever there is hot water or chilled water flowing through the Jaga coil.



Scenario 2: 120VAC-24VDC Wiring and power with the Jaga fan controller:

24VDC power can be daisy chained to up to four (4) Jaga Briza units. 16AWG stranded wire to be used, no greater than 150ft in length to the first Jaga unit.



The 120VAC-24VDC power supply to be placed in an electrical enclosure (by other). Image above shown as an example.

24VAC-24VDC Power and Wiring with and without the fan controller:

There are projects where a 120VAC-24VAC power supply is already in place to power control valves and thermostats (all provided by other). The Jaga units can be powered from this 120VAC-24VAC power supply. The wattage of the 24VAC power supply must have the ability to handle the combined Jaga unit power draw.

Max power draw of a single Jaga unit:

Briza: 26W

Clima-Canal: 11W

Slim-Clima-canal: 11W

Quatro-Canal: 11W

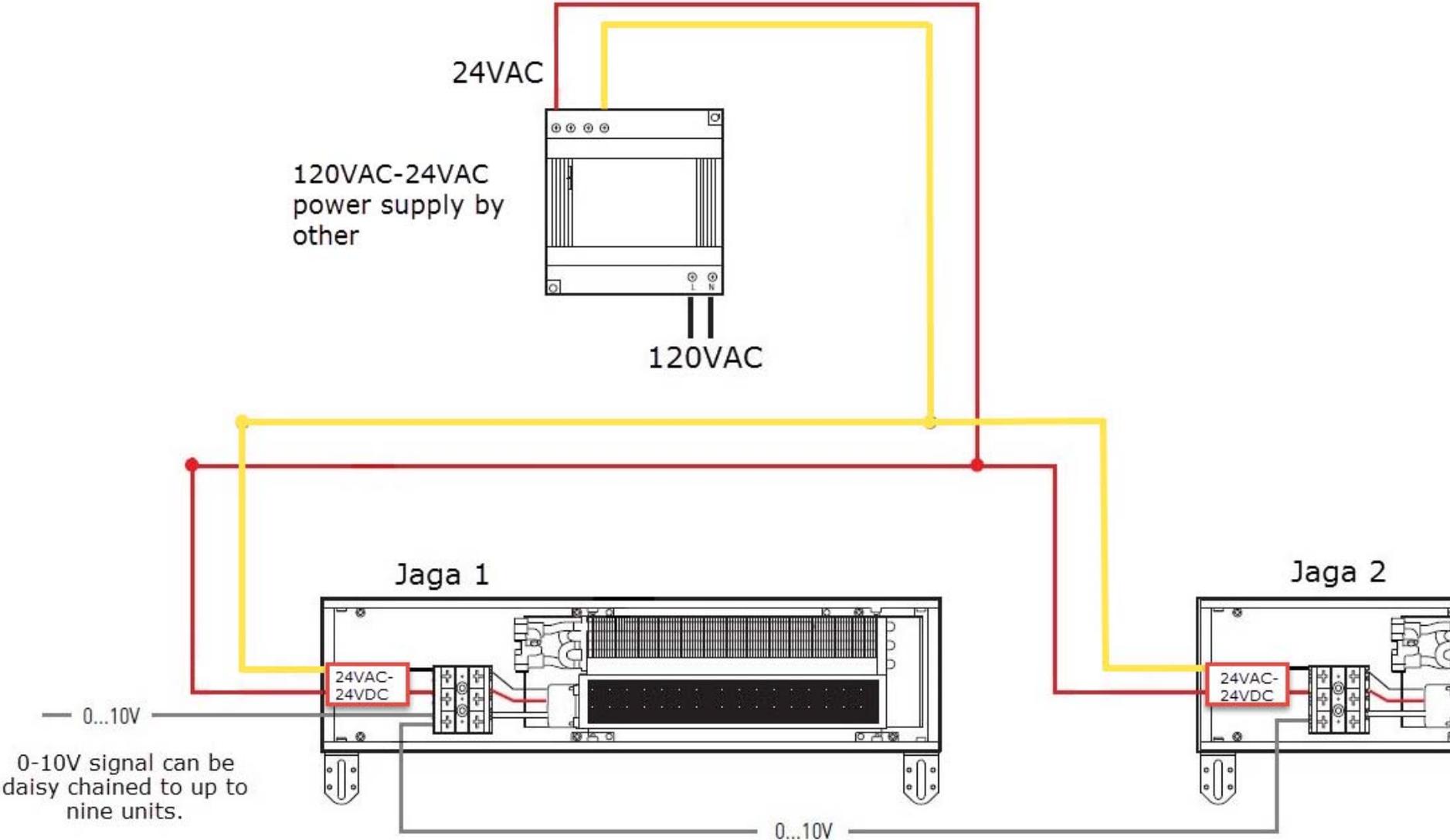
When a 24VAC power supply is wired to the Jaga units, a pre-installed 24VAC-24VDC rectifier is placed within every Jaga unit.



NOTES:

- Division 16 to connect the 120VAC side of the 120VAC-24VAC power supply and must be placed in an electrical enclosure (supplied by Div. 16), located remotely from the Jaga unit.
- Division 15 to run 16AWG stranded wire to the Jaga units, not exceeding 150ft in length from the power supply to the first Jaga unit.

Scenario 3: 24VAC-24VDC Power and Wiring with a 0-10V signal:



Scenario 4: 24VAC-24VDC Power and Wiring with the Jaga fan controller:

