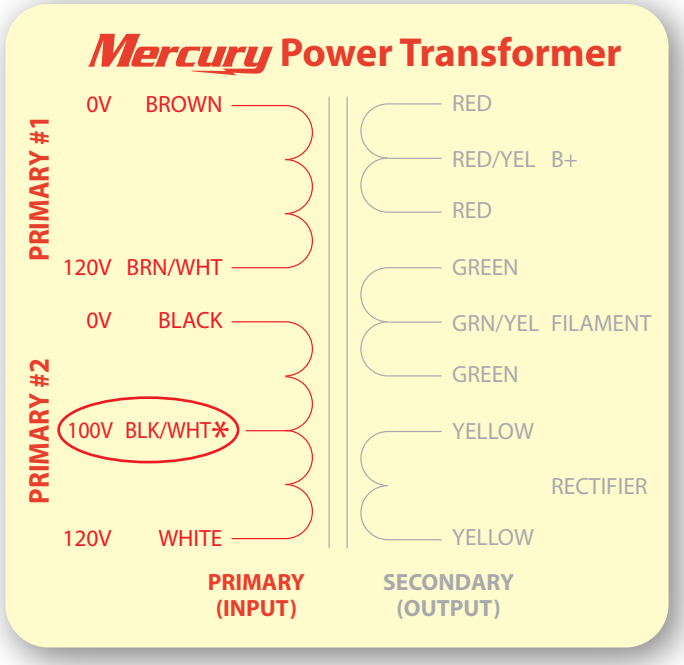
Example of UNIVERSAL VOLTAGE PRIMARY

(for Professional Use Only)

CAUTION: Any changes in the configuration must be performed by a qualified professional.

WARNING: With a ***Mercury*** **Universal Voltage Primary** power transformer BOTH *primary* windings MUST be used. Failure to use BOTH windings will damage the power transformer.



*When a transformer does not have this tap there is no 100V or 220V usage.

Here are examples of how it works (the following pertains to the PRIMARY side of the accompanying diagram):

For 100V usage –

A. Connect the Brown (PRIMARY #1) and the Black (PRIMARY #2) leads together.
B. Connect the Brown/White-striped (PRIMARY #1) and the White (PRIMARY #2) leads together. Then cap off and isolate (float) them. *DO NOT connect to ground!*
C. Use the Brown and the Black, from A above, and the Black/White-Striped (PRIMARY #2) as the two AC connection leads.

For 120 usage –

A. Connect the Brown (PRIMARY #1) and the Black (PRIMARY #2) leads together.
B. Connect the Brown/White-striped (PRIMARY #1) and the White (PRIMARY #2) leads together.
C Cap off and isolate (float) the Black/White-striped (PRIMARY #2) lead. *DO NOT connect to ground!*
D. Use the two leads from steps A and B as the two AC connection leads.

For 220V usage –

A. Connect the Brown/White-striped (PRIMARY #1) and the Black (PRIMARY #2) leads together. Then cap off and isolate (float) them. *DO NOT connect to ground!*
B. Cap off and isolate (float) the White (PRIMARY #2) lead. *DO NOT connect to ground!*
C. Use the Brown (PRIMARY #1) lead and the Black/White-striped (PRIMARY #2) as the two AC connection leads.

For 230/240V usage –

A. Connect the Brown/White-striped (PRIMARY #1) and the Black (PRIMARY #2) leads together. Then cap off and isloate (float) them. *DO NOT connect to ground!*
B. Cap off and isloate (float) the Black/White-striped (PRIMARY #2) lead. *DO NOT connect to ground!*
C. Use the Brown (PRIMARY #1) and the White (PRIMARY #2) as the two AC connection leads.

LAST UPDATED: 05-03-11