Parallel Balancing Module M-0115A

- Provides all components that must be added to an LTC Transformer for paralleling, using the circulating current method

Industry Leader Since 1969
Made in the USA
The M-0115A Parallel Balancing Module provides all components that must be added to a load tapchanging (LTC) Transformer for paralleling, using the circulating current method. Through the use of a circulating current sensitivity adjustment, the M-0115A avoids the problems of hunting (caused by too much sensitivity), or permitting the transformers to be several steps apart (caused by too little sensitivity).

The M-0115A conforms to the procedure described in ANSI C57.12.10-1988, paragraph 10.2.

**Current Inputs**
Rated at 0.2 A, 12 VA, 50/60 Hz.

**Current Ratings**
Either winding K1, K2 or ACT from terminal TB1-1 to TB1-5 is rated for 0.2 A continuous.
All windings will withstand the following: 0.4 A continuous, 2.9 A for 5 sec; 3.3 A for 4 sec; 4.0 A for 3 sec; 5.0 A for 2 sec.
Cores are unsaturated at 12 VA burden.

**Sensitivity Control**
Sensitivity adjustment prevents LTC transformers from hunting or being several steps apart.
Sensitivity is adjustable from two times normal to 0.5 times normal in nine steps.

**Parallel/Independent Switch**
Mode of LTC control is switch selectable.

**Transient Protection**
Input and output circuits are protected against system transients. The M-0115A will exhibit no component failure or false commands when subjected to the requirements of ANSI/IEEE C37.90.1-1989, which defines oscillatory and fast transient surge withstand capability. All inputs and outputs will withstand 1500 V ac to chassis or instrument ground for one minute. Voltage inputs are electrically isolated from each other, from other circuits, and from ground.

**Mounting**
Panel mounted using 8-1/2" x 6-1/8" cutout (21.59 cm x 15.56 cm). May be surface mounted using the M-0124 Surface Mounting Adapter.

**Environmental**
**Temperature Range:** Stated accuracies are maintained from –40° to +80° C.
**Humidity:** Stated accuracies are maintained at up to 95% relative humidity (non-condensing).
**Fungus Resistance:** A conformal printed circuit board coating inhibits fungus growth.

**Physical**
**Size:** 10" high x 6-3/8" wide x 4-15/32" deep (25.40 cm x 16.19 cm x 11.35 cm). When using the M-0124 Surface Mounting Adapter, maximum depth is 4-9/16" (11.59 cm).
**Approximate Weight:** 6 lb (2.7 kg).
**Approximate Shipping Weight:** 7-1/2 lb (3.4 kg).

**Warranty**
The M-0115A unit is covered by a five year warranty from time of purchase.

*Specification subject to change without notice.*