



S-EA.150A  
(amended)

DEPARTMENT OF TRADE AND COMMERCE  
STANDARDS BRANCH

OTTAWA, January 21, 1964.

TYPE APPROVAL

CANADIAN GENERAL ELECTRIC TYPES "PV-3" AND "PV-15"  
VOLTAGE TRANSFORMERS

The apparatus specified herein has been duly approved by the Standards Branch under the provisions of the Electricity Inspection Act, Chapter 94, R.S. 1952, and may be admitted to verification in Canada.

Apparatus Approved: Types "PV-3" and "PV-15" Voltage Transformers manufactured by the Canadian General Electric Company Limited, Toronto 4, Ontario.

Rating of Apparatus:

Primary Voltage 2300, 4600, 6900, 11500, 13800 volts

Secondary Voltage 115 volts or 115/115 volts  
(This approval covers the same ratios with 120 volt secondaries)

Wire 2  
Phase 1  
Frequency 60 cycles  
Style Dry Indoor  
Accuracy Class 0.3WXYZ

Description: The types "PV-3" and "PV-15" voltage transformers supersede the types "SVC" and "SVO" approved under Circular SD-EA.26, March 22, 1950. They have the same electrical characteristics as the former types, but have a higher impulse strength and a plastic moulded construction instead of a steel tank. The windings are impregnated with and moulded in a thermosetting plastic material selected by the manufacturer for high mechanical and electrical strength. The high-voltage bushings are of the same material. The transformers are rated 200 volt-amps. for accuracy purposes. Their thermal rating is 2 Kva continuously without exceeding the allowable temperature rise of 55°C. above 30°C. ambient. The core is made of annealed high-quality oriented-grain silicon-steel strip. It is wound into a rectangular shape to fit the coils. Both primary and secondary coils are layer wound.

The primary terminals are moulded into the plastic envelope. A non-removable clamp-type connector for the line conductor is provided on each terminal. The secondary terminals are fixed studs that are imbedded in the plastic on the side of the transformer. These transformers are supplied for surface mounting. Adjustable angle-iron feet are bolted to studs. Studs are imbedded in plastic and project from the bottom of the transformers.

Original units of this type were marked "PV-3" and this designation was later changed to "PV-15". Current production will be designated as "PV-15A", "PV-15F", "PV-15B", "PV-15AC", "PV-15FC", "PV-15BC". Any of these units may have a single or a double secondary. The suffix A signifies an unfused model and the F a fused model. The suffix C applies to models in which H<sub>2</sub> is grounded. Type "PV-15B" is similar to type "PV-15A" except that the position of the primary terminals has been changed.

This circular cancels and replaces Circular SD-EA.150A of April 15, 1954.

*E. F. Power*  
E. F. Power,  
Chief, Electricity and Gas Division,  
Standards Branch.

*R. W. MacLean*  
R. W. MacLean,  
Director,  
Standards Branch.

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