

TRADE AND COMMERCE
CANADA

STANDARDS DIVISION

SD-EA.150-A
(replacing SD-EA.150)

OTTAWA, April 15, 1954.

TYPE APPROVALCANADIAN GENERAL ELECTRIC
TYPES "PV-3" AND "PV-15" VOLTAGE TRANSFORMERS

The apparatus specified herein has been duly approved by the Standards Division 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, Ontario.

Rating of Apparatus:

<u>Voltage</u>	<u>Volt-Amp.</u>	<u>Accuracy Rating</u>	<u>Frequency</u>
2300-115	200	0.3 W,X,Y,Z	50/60
4600-115	200	0.3 W,X,Y,Z	50/60
6900-115	200	0.3 W,X,Y,Z	50/60
11500-115	200	0.3 W,X,Y,Z	50/60
13800-115	200	0.3 W,X,Y,Z	50/60

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 types "PV-3" and "PV-15" transformers are designed for indoor service. 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.

Note: The types "PV-3" and "PV-15" are exactly the same. The first units made were marked "PV-3". Later units were marked "PV-15", and all future manufacture will be so marked. No transformers with the plain "PV" marking were ever delivered.

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