DEPARTMENT OF

TRADE AND COMMERCE
CANADA

SD-EA.276

STANDARDS DIVISION

OTTAWA, January 8, 1957.

TYPE APPROVAL

CANADIAN GENERAL ELECTRIC
TYPE "VC-" 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: Type "VC-" Voltage Transformers, manufactured by the Canadian General Electric Company Limited, Toronto, Ontario.

Rating of Apparatus:	Type	Primary Voltage	Ratio	System Voltage Line to Line
Primary Voltage Ratings and Ratio	VC-115	66,400	1000/600-1	115,000
	*VC-138	79,700	1200/700-1	138,000
	VC-161	93,000	1400/800-1	161,000
	VC-196	113,000	1700/1000-1	196,000
	VC-230	133,000	2000/1200-1	230,000
	VC-287	166,000	2500/1500-1	287,000

Secondary Voltage ..... 66.4/115 approx. or 66.4/66.4
Accuracy Class ..... 0.6 WXYZ
Phase 1
Frequency ..... 60 cycles
Style ..... Outdoor-Oil-filled

* Approved previously under Circular SD-EA.248, June 11, 1956.

Description: These transformers are described and illustrated in Circular SD-EA.248 covering the type "VC-138". The number of stages in cascade varies in proportion to the voltage.

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Assistant Director (E&G),
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Ref: A-539A

DEPARTMENT OF

TRADE AND COMMERCE
CANADA

SD-EA.277

STANDARDS DIVISION

OTTAWA, January 10, 1957.

TYPE APPROVAL

GENERAL ELECTRIC PRINTING-TYPE DEMAND METERS
TYPES "PD-6", "PD-7" AND "PD-8"

The apparatus specified and illustrated 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: Printing-type Demand Meters, Types "PD-6", "PD-7" and "PD-8", manufactured by the General Electric Company, U.S.A., and distributed in Canada by the Canadian General Electric Company Limited, Toronto, Ontario.

Description: Type "PD-5" is the basic model of General Electric printing-type demand meter and was approved by this Department in 1933. Its timing interval was controlled by a separate, external, spring-wound clock, type "C-13". Type "PD-6" is similar to the present model "PD-5" except that it is designed for semi-flush mounting. Type "PD-7" is similar in operation to the "PD-5" but is self-contained, having an internal synchronous-motor-driven clock mechanism. It is designed for surface mounting. Type "PD-8" is similar to type "PD-7" except for the case which is arranged for semi-flush mounting.

These demand meters are used in conjunction with a watthour meter or a totalizing device to provide a printed record of the demands. They are of the contact-operated, block-interval type and print the demands for each time interval. In addition to the printed tape, there are three dials, one showing the current demand, one showing the maximum demand which has been recorded since last being reset manually; and the third, which is a counter-type register, shows the total number of impulses delivered to the demand meter. The printed tape shows the time of day opposite the demand at that instant. Impulses which originate in the watthour meter energize the operating coils in the demand meter and cause the advancing pawls to move the printing wheel forward. At the end of the interval, a timing mechanism closes a circuit which energizes both the printing and reset coils. The printing coil actuates the printing platen, thus recording the position of the printing wheels before they are reset. Immediately after printing, the demand indicator is reset to zero.

When a KW demand meter and a KVAR demand meter are used for billing on KVA, the two meters must be synchronized for time and must be operated from the same contact-making clock.

E. F. Power

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Assistant Director (E&G),
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Ref: A-579

GENERAL ELECTRIC TYPE "PD"
PRINTING-TYPE DEMAND METER