



DEPARTMENT OF TRADE AND COMMERCE
STANDARDS BRANCH

T-22-1



OTTAWA May 23, 1963.

NOTICE OF APPROVAL

FOR

CANADIAN GENERAL ELECTRIC TYPES PV-1.2, PV-2.5, PV-5, PV-8.7, PV-15, PV-25, NV-1.2, NV-2.5, NV-5, NV-8.7, NV-15 AND NV-25 VOLTAGE TRANSFORMERS

Apparatus

Primary Voltages

PV-1.2	NV-1.2	1200, 600, 480, 360
PV-2.5	NV-2.5	2400
PV-5	NV-5	4800, 4200, 2400, 600, 480
PV-3.7	NV-8.7	7200, 4800
PV-15	NV-15	14400, 12000, 8400, 7200, 4800
PV-25	NV-25	16500, 14400, 13800, 9660, 9540

Secondary Voltages

PV-1.2, NV-1.2, PV-2.5, NV-2.5	① 120 volts single secondary
PV-5, NV-5, PV-8.7, NV-8.7,	① 120/120 volts double secondary
PV-15, NV-15	① 120, 110, 69, 66.4, 63.6 volts single secondary
PV-25, NV-25	① 120/120, 110/110, 69/69, 66.4/66.4, 63.6/63.6 volts double secondary

Accuracy Rating at 60 hz

PV-1.2, PV-2.5, PV-5, PV-3.7)	(0.3WXY; 0.6Z single secondary
& NV-1.2, NV-2.5, NV-5, NV-3.7)	(0.6WXY; 1.2Z double secondary
PV-15, NV-15	② 0.3WXY single and double secondary
PV-25, NV-25)	③ (0.3WXYZ; 0.6ZZ single secondary
	④ (0.6WXYZ; 0.6Z/0.6Z double secondary

Voltage Insulation Class

Kilovolt insulation class incorporated in type designation

Wire

2

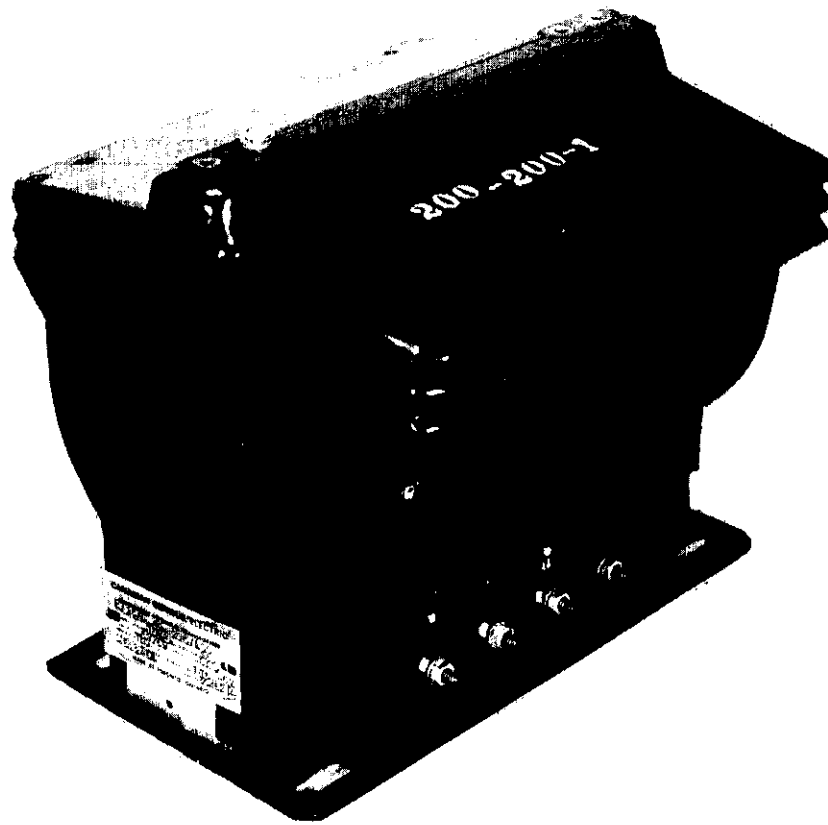
Frequency

60 hz

Style

Dry, indoor

T-2251



PV - 25 AC

- ① Transformers may be marked with secondary voltages of 115 but the ratio remains unchanged from that of 120 volts.
- ② Applies to either secondary with the other unloaded or loaded with Z burden.
- ③ Nameplate marked 0.3Z.
- ④ Applies to either secondary with the other unloaded or loaded with Z burden. Nameplate will be marked 0.6Z/0.6Z.

Approved variations indicated by suffix in type designation

"A" unfused
"F" fused
"C" high voltage terminal H2 grounded
"B" primary terminal position changed.

All units covered by this circular will have one or more of the above letters as suffix in the type designation, e.g., "NV-15AC" open core, 15 kv insulation, unfused with H2 grounded.

NOTE: The use of the above letters distinguishes the transformers covered by this approval from the "PV-5" ratings covered by circulars SD-EA.184 and S-EA.570 which have different accuracy ratings and do not have a letter suffix.

Description

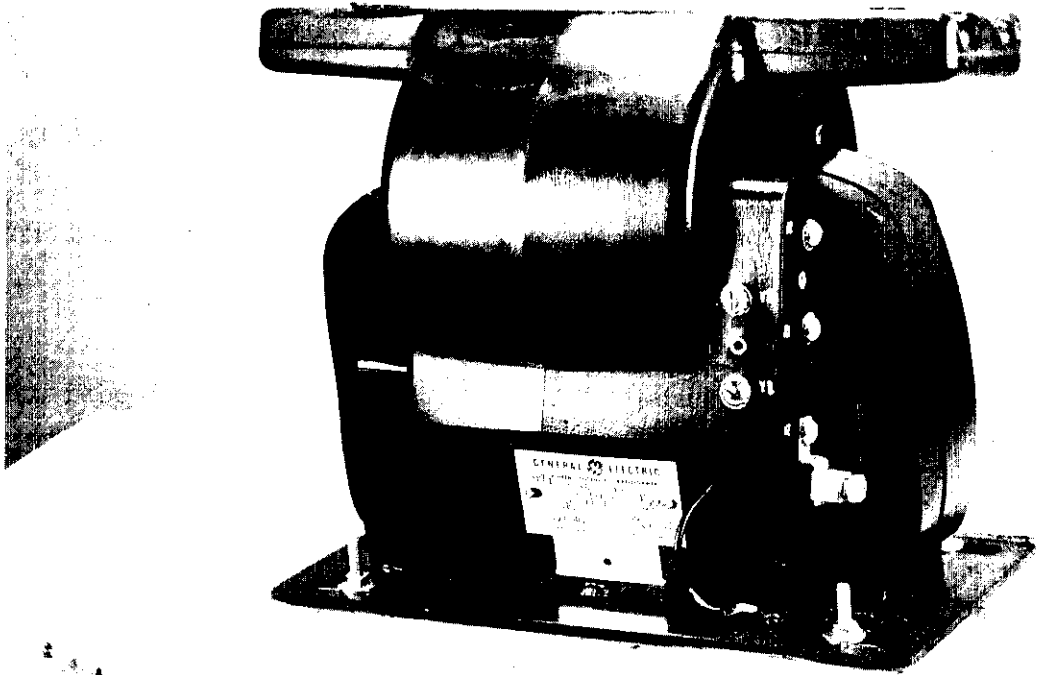
This circular is a reissue of circular T-22 to include types PV-25 and NV-25.

These transformers are designed for indoor service and have a single primary winding and a single or double secondary winding.

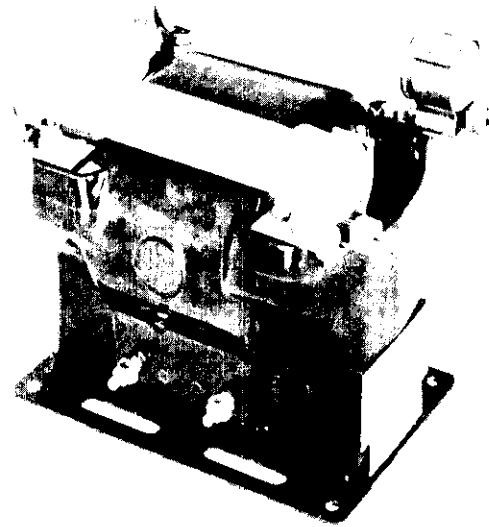
The type "PV-" have the entire core and coil assembly impregnated and moulded in a thermosetting plastic material. The type "NV-" have the coil only impregnated and moulded, the core being exposed.

Primary and secondary terminals are fixed studs or inserts moulded in the plastic, the polarities being indicated by white plugs. The primary terminals are marked by "H1" and "H2" and the secondary terminals by "X1 and X2" for units with a single secondary and by "X1, X2, Y1, Y2" for units with double secondary. This is not shown on the illustration of the type PV-25AC but it will appear in production.

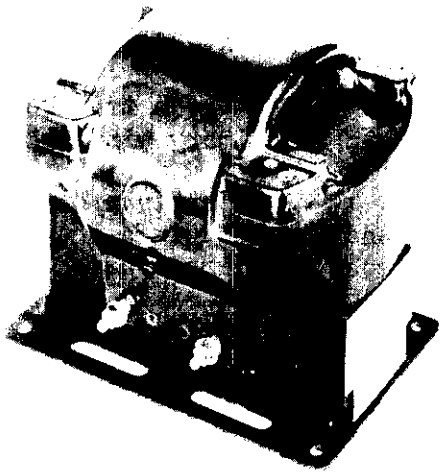
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NV 15 AC



PV-5F

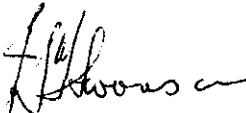


PV-5A

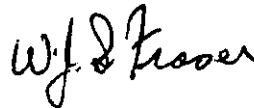
The nameplates will carry the ratio in addition to the rated primary and secondary voltages.

Approval granted to:

Canadian General Electric Company Limited,
Toronto,
Ontario.



J.S.T. Swanson,
Chief, Standards Laboratory,
Standards Branch.



W.J.S. Fraser,
Chief, Electricity & Gas Division,
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