DEPARTMENT OF

TRADE AND COMMERCE
CANADA

S-EA.505

STANDARDS BRANCH

OTTAWA May 5, 1961.

TYPE APPROVAL

CANADIAN GENERAL ELECTRIC TYPE "JCD-0" CURRENT TRANSFORMERS

The apparatus specified and illustrated 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: Type "JCD-0" Current Transformers, manufactured by the General Electric Company, Schenectady, N.Y., U.S.A., and sold in Canada by the Canadian General Electric Company Limited, Toronto, Ontario.

Rating of Apparatus:

Primary Current:	
Single Range	2000, 3000, 4000, 5000, 6000, 8000 amperes
Dual Range	1000/2000, 1500/3000, 2000/4000 amperes
Secondary Current	5 amperes
Accuracy Class: (25 and 60 cycles)	
1000 amperes	0.3B0.1, B0.2, B0.5*; 0.6B0.9, B(2x0.9), B1.0
1500 amperes	0.3B0.1, B0.2, B0.5*, B0.9, B1.0; 0.6B(2x0.9), B2.0
2000-8000 amperes	0.3B0.1, B0.2, B0.5*, B0.9, B(2x0.9), B1.0, B2.0
Rated Voltage	600 volts
Wire	2
Phase	1
Frequency	25 and 60 cycles
R.F. (rating factor)	1.5 (1000 to 4000 amperes inclusive)
	1.0 (5000, 6000, 8000 amperes)
Style	Dry, Indoor and Outdoor
Impulse Level	F.W. 10KV

* marked on nameplate.

Description: The type "JCD-0" current transformers are designed for indoor and outdoor service, and are of window type having a circular opening to accommodate busses or cables of current-carrying capacity equal to the transformer rating. The whole transformer is enclosed in a moulded black butyl case. The secondary terminals are covered by a weather-resistant moulded phenolic terminal case and have a manually-operated short-circuiting device. The cores are made of wound annealed silicon steel and the winding is of Formex wire evenly distributed around the core. Polarity markings are white, permanently moulded into the butyl case.

The secondary terminals are mounted in a conventional location on top of the transformer. The single ratio transformers have two terminals and one terminal cover, and the dual ratio transformers have four terminals and two terminal covers. A fibre piece between the two terminals serves as a mounting

(p.t.o.

[illegible] circuiting device, a base for the terminal cover, and [illegible] the lead sealing stud. The cover is reversible, having one position when the secondary short-circuiting switch is closed and no meter leads are [illegible], and a reverse position when the short-circuiting switch is open and meter leads are connected. The cover cannot normally be put in position to be sealed when the short-circuiting switch is closed and the meter leads connected. In service it is necessary that the unused secondary be open-circuited, so in the case of dual ratio transformers the unused secondary terminal cover must be sealed with the short-circuiting device in the open-circuit position.

[illegible]
[illegible],
Chief, Electricity & Gas Division,
Standards Branch.

[illegible],
[illegible],
Standards Branch.

Ref: A-896

GENERAL ELECTRIC TYPE "JCD-O" CURRENT TRANSFORMER