Department of consumer and corporate affairs / Ministère de la consommation et des corporations

STANDARDS BRANCH - DIRECTION DES NORMES

NOTICE OF APPROVAL T-48

OTTAWA September 26, 1969.

GENERAL ELECTRIC TYPE "JAK-O" CURRENT TRANSFORMERS

	Apparatus
Primary Currents	
single ratio	200, 400, 500, 600 and 800 amperes
double ratio	200/400, 300/600, 400/800 amperes
Secondary Current	5 amperes
Accuracy Rating at 60 hz	0.3B0.1, B0.2, B0.5* (all ratios)
Insulation Class	600 volts
Frequency	60 hz
R. F. (rating factor)	2.0
Wire	2
Style	Indoor/outdoor, moulded
Terminals for low ratio#	X2 - X3
Terminals for high ratio	X1 - X3

* 0.3B0.1, B0.2, B0.5 marked on nameplate

\# on double ratio transformers

NOTE: This approval does not cover the use of the ratio obtained by using secondary terminals "x1- x2" in a billing application.

Description

The type JAK-O current transformer is designed for both indoor and outdoor service. It is constructed using a nylon tube for the window and Hy-Bute 60 insulation for the transformer body. The Hy-Bute insulation serves both as support and casing. The basic transformer is window-type construction and has no primary winding. The line conductor which is passed through the window serves as a transformer primary. A removable primary bar and a low base or a high base can be supplied with the transformer.

The core is wound of a continuous strip of grain oriented steel which is annealed after being wound to its final shape.

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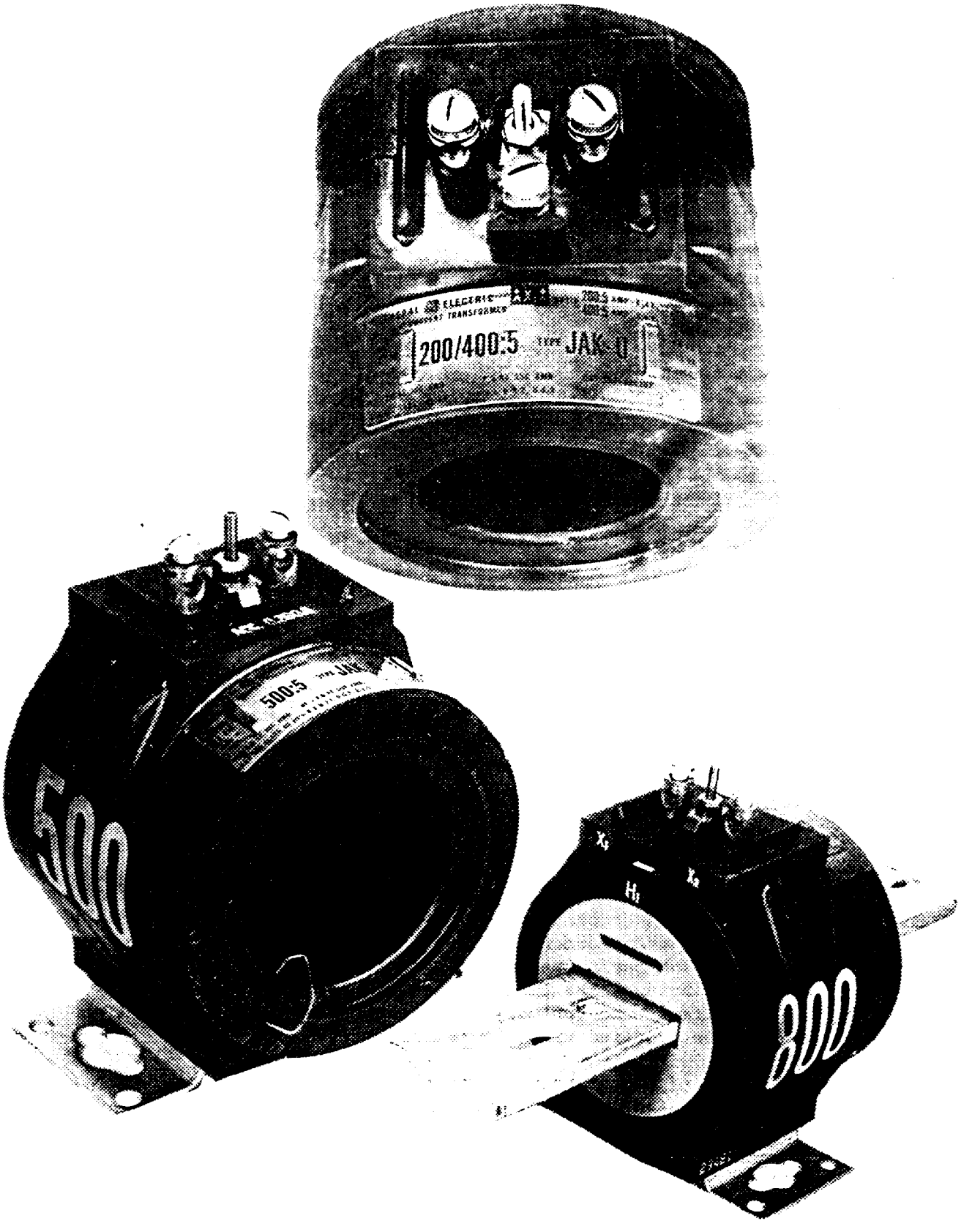

Secondary terminals are bronze studs set in the moulding on the top of the transformer and held in place by an internal terminal block. This block also secures a stud located between the terminals, which is used as the short-circuit device pivot and as a means to attach and secure the secondary cover which has an interlock to hold the short-circuit device in the open position when the transformer is connected in the operating position.

Primary polarity is indicated by "H1" and a short white bar moulded at one end of the transformer, and "X1", "X2" moulded on the same end identify the secondary terminals.

Double ratio units have "X3" stamped on the nameplate to identify the third secondary terminal at the opposite end of the transformer.

On single ratio units and the high ratio of double ratio units "X1" denotes polarity. On the low ratio of double ratio units "X2" denotes polarity, "X3" is common.

The ratio or ratios is marked on the nameplate and in large orange numerals on both sides of the transformer.

All transformers of this type are approved with R.F. = 2.0 at 30°C ambient. Some transformers may have a rating factor higher than this but it should be noted that this is the thermal rating only.

These transformers are manufactured by the General Electric Company, Somersworth, N.H., U.S.A., but are distributed in Canada by Canadian General Electric.

Approval granted to:

Canadian General Electric Company Limited,
Toronto 4,
Ontario.

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