



TRADE AND COMMERCE
CANADA

STANDARDS DIVISION

OTTAWA,.....February 18, 1953.

TYPE APPROVALCANADIAN GENERAL ELECTRIC TYPE "JKP-O" CURRENT TRANSFORMERS

The apparatus specified and illustrated herein has been duly approved by the Standards Division under the provisions of The Electricity Inspection Act, Chapter 22, 1928, as amended, and may be admitted to verification in Canada.

Apparatus Approved: Type "JKP-O" Current Transformers, manufactured by the Canadian General Electric Company, Limited, Toronto, Ontario.

Rating of Apparatus:

Ratios	2-wire with one turn of primary conductor - 200/5, 400/5, 600/5 amperes
	2-wire with two turns of primary conductor - 100/5, 200/5, 300/5 amperes
	3-wire with one turn of primary conductor - 100/5, 200/5, 300/5 amperes
	3-wire with two turns of primary conductor - 50/5, 100/5, 150/5 amperes
Rated Metering Burden ...	5 VA at 0.9 p.f. for 200/5, and 12.5 VA at 0.9 p.f. for 400/5 and 600/5
Rated Voltage	600 volts with bare conductor; higher voltages depending on insulation of conductor
Wire	2 or 3
Phase	1
Frequency	25 - 60 cycles
Style	Dry Indoor or Outdoor

Description: The transformers are of the window type, having circular openings 2" in diameter capable of accommodating more than one conductor. The whole transformer is enclosed in a moulded black butyl case. The secondary terminals are covered by a moulded phenolic cover. The only exposed metal components are the nameplate and the baseplate. The transformers have wound cores of annealed silicon steel and the winding is made of Formex copper wire evenly distributed around the core. Polarity markings are white and are moulded into the butyl case, thus being permanent. The transformers may be mounted in any position. A manually-operated short-circuiting switch is mounted on a phenolic base between the secondary terminals. The terminal cover is so designed that it cannot be put in place unless the short-circuiting switch is open.

Three ratings are available. These are 200/5, 400/5 and 600/5. These ratings are obtained by passing the line conductor once through the primary window. Additional ratings can be obtained by looping the primary

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conductor two or more times through the window. When used as a 3-wire transformer, the two outside conductors are passed through the window, one conductor being in a reversed direction. The ratings for 2-wire and 3-wire service are indicated above.

The thermal rating is such that the transformers can be operated continuously at 200% loading without overheating.

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TYPE "JKP-O" CURRENT TRANSFORMER

