SD-EA.146

TRADE AND COMMERCE
CANADA

STANDARDS DIVISION

OTTAWA. April 5, 1954.

TYPE APPROVAL

"TESCO" TYPES 1017, 1018, 1019 AND 1020
TRANSFORMER-LOSS COMPENSATORS

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: "Tesco" Transformer-Loss Compensators, Types 1017, 1018, 1019 and 1020, manufactured by The Eastern Specialty Company, Philadelphia, Pa., U.S.A., and distributed in Canada by D. M. Fraser Limited, Toronto, Ontario.

Rating of Apparatus: Amperes ..... 5 Frequency ..... 60 cycles
Volts ..... 120/240 Elements ..... 2 or 3

#1017 - 2-element compensator for watt thermal converters (similar to type #1013 previously approved)
Range: 0-5% copper loss on 120 volts, 0-2.5% on 240 volts; 0.1-5% iron loss on 120 volts or 240 volts.

#1018 - 3-element compensator for watt thermal converters (similar to type #1014 previously approved)
Range: 0-5% copper loss on 120 volts, 0-2.5% on 240 volts; 0.1-3.3% iron loss on 120 volts or 240 volts.

#1019 - 2-element compensator for watt or var thermal converters (similar to type #1015 previously approved)
Range: 0-15% copper loss on 120 volts, 0-7.5% on 240 volts; 0.1-20% iron loss on 120 volts or 240 volts.

#1020 - 3-element compensator for watt or var thermal converters (similar to type #1016 previously approved)
Range: 0-15% copper loss on 120 volts, 0-7.5% on 240 volts; 0.1-13.3% iron loss on 120 volts or 240 volts.

Description: These transformer-loss compensators are essentially the same as those approved on Circular SD-EA.86 of August 22, 1952, except for the size of the capacitors in the potential compensation circuit. These compensators are intended for use with thermal converters.

Conditions: Means shall be provided for effectively sealing the device with a lead seal.

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