



CANADA

DEPARTMENT OF TRADE AND COMMERCE
STANDARDS DIVISIONOTTAWA, May 20, 1950.
(Succeeding Circular Letter SD-EC.55,
dated September 14, 1949)

NOTIFICATION OF TYPE APPROVAL

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, and may be admitted to verification in Canada.

Apparatus Approved: Type "M" Meter Multiplier, manufactured by the Sangamo Company Limited, Leaside, Canada, designed for use with a single-phase meter having a type "A" base to form a complete metering unit. The use of this multiplier permits standardization of meter capacity and provides flexibility for changing the capacity of the installation in service.

Rating of Apparatus: All capacities up to and including 100/5 amperes, 2- and 3-wire, 25- and 60-cycle, and not exceeding 600 volts.

Description: The multiplier consists of a small current transformer mounted in a form "A" meter connection box. The transformer is the same as the type "LV" current transformer, previously approved under Circulars N.R.C. 102 of September 4, 1937, and N.R.C.147 of June 11, 1940, except that it will be built in both 2- and 3-wire forms and, due to the arrangements for mounting, the bakelite clamping plates will be eliminated. The copper and iron proportions and sizes remain unchanged. The enclosure is a form "A" meter connection box modified for mounting the transformer and its sub-base. In addition, a rectangular opening is cut in the lower face of the box, through which a terminal bakelite block projects to receive the service conductors. The current transformer primary leads connect to the inside terminals of this block. The secondary leads terminate in two bayonet connectors which project upward to engage the meter terminals. The meter is attached to the box in the usual manner, with the terminal chamber fitted into the upper opening. The two bayonet connectors carrying the transformer secondary current, and two others connected to line voltage, are inserted into the meter terminals during mounting. The meter must be connected for use with a transformer, with the two outer terminals for current and the two inner for voltage. To change capacity in service, the current transformer with its sub-base may be removed, and a new assembly of correct capacity substituted.

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