



CANADA

DEPARTMENT OF TRADE AND COMMERCE
STANDARDS DIVISION

SD-FA.24

OTTAWA, May 23, 1950.
(Superseding Circular Letter SD-EC.81,
dated March 13, 1950)

MODIFICATION OF TYPE APPROVAL

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

Apparatus Modified: Types "EDA" and "EDS" Single-Phase Combination Watthour and Thermal Demand Meters, manufactured by the Sangamo Company Limited, Leaside, Canada.

Rating of Apparatus: All ratings as approved originally under Circular N.R.C.166, dated January 14, 1947, with a later revision in rated maximum capacity of 50-ampere meters on February 16, 1948 - file 17-168-1.

Modification: According to the present specifications, the current coil of the watthour element is connected in series with the primary of a small current transformer. The watthour meter, therefore, carries full line current. The demand element is rated at 5 amperes in every case and connected to the secondary of the current transformer.

In the proposed modification, both the watthour and demand elements are connected to the current transformer secondary. The effect of this, in the 50-ampere capacity particularly, is to eliminate the disproportionate losses in the leads to the watthour current coil. This circuit arrangement is the same as in the "ED-3" meter, approved under Circular N.R.C.12, dated March 4, 1931. There are no changes in capacities or constants.

Testing: The above modification will not require any change in testing schedule, and the standard tests for single-phase combination watthour and thermal demand meters will apply.

E. F. Power
E. F. Power,
Assistant Director (E.&G.),
Standards Division.

R. W. MacLean
R. W. MacLean,
Director,
Standards Division.