

TRADE AND COMMERCE
CANADA

STANDARDS DIVISION

OTTAWA, September 29, 1954.

MODIFICATION OF TYPE APPROVAL

SANGAMO SINGLE-PHASE WATTHOUR METERS TYPES "S-3", "S-3A", "S-3S"
 SANGAMO POLYPHASE WATTHOUR METERS TYPE "S-3"
 SANGAMO POLYPHASE DEMAND ENERGY METERS TYPES "4L2", "ED-30"

The modifications to the apparatus specified herein have been duly approved by the Standards Division under the provisions of the Electricity Inspection Act, Chapter 94, R.S. 1952, and the modified apparatus may be admitted to verification in Canada.

Apparatus Modified: Types "S-3", "S-3A", "S-3S" Single-Phase Watthour Meters, Type "S-3" Polyphase Watthour Meter, and Types "4L2", "ED-30" Polyphase Demand Energy Meters, manufactured by the Sangamo Company Limited, Leaside, Toronto 17, Canada.

Rating of Apparatus: All previously approved ratings.

Modifications: All types to which these modifications apply employ Sangamo type "S-3" watthour elements.

The main modification consists of alnico magnets in place of chrome steel magnets. The new magnets are enclosed in the same die-casting as used in the Sangamo type "NB" polyphase watthour meters, approved under SD-EA.133 and SD-EA.147, and in the type "CFA" meters approved under SD-EA.134. However, although the lower half of the magnet assembly is alnico, the upper half incorporates a steel keeper. This arrangement is somewhat different from the types "NB" and "CFA".

To accommodate the new magnet assembly, a die-cast grid will be used in all the types except the types "S-3A" and "S-3S" which will still have the cast iron grid.

Due to the new grids, those meters which employ differential registers will have a changed mounting bracket. The resilient mounting for the demand element on the types "4L2" and "ED-30" has been eliminated.

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