

TRADE AND COMMERCE
CANADA

STANDARDS DIVISION

OTTAWA February 27, 1959.

MODIFICATION OF TYPE APPROVALSANGAMO THERMAL CONVERTERS

The modifications to the apparatus specified and illustrated 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: Thermal Converters, manufactured by the Sangamo Company Limited, Leaside, Ontario, under the following type designations which distinguish the various time periods:-

Type "AW1S" - 1 second
 Type "AW6S" - 6 seconds
 Type "AW15S" - 15 seconds
 Type "BW" - 3-1/3 minutes
 Type "CW10M" - 10 minutes
 Type "CW15M" - 15 minutes

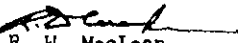
Rating of Apparatus: Converters of all types may be arranged as: single-phase wattmeters, or 2, 2 $\frac{1}{2}$ or 3-element polyphase wattmeters. The 2-element form may be connected to measure KVA in a similar manner to the 4L2 demand-energy meter. (Note: The use of converters as voltmeters and ammeters is not covered by this approval.)


Rated Amperes	2 $\frac{1}{2}$, 5, 10, 15, 25		
Rated Voltages	115, 230, 460, 575		
Frequency	25, 50, 60 cycles		
DC Output	1 second	- 1KW = 100 millivolts, maximum	
	6 seconds	- 1KW = 30	" "
	15 seconds	- 1KW = 50	" "
	3-1/3 minutes	- 1KW = 40	" "
	10 minutes	- 1KW = 40	" "
	15 minutes	- 1KW = 40	" "

Modifications: The approved modifications are:

1. Standardization of enclosures and external wiring of all watt converters.
2. Standardized mechanical design of adjustment resistors.
3. Doubled output per element of 10- and 15-minute converters.

Original approval of these converters was granted under Circulars SD-EA.38, September 18, 1950 and SD-EA.51, January 24, 1951. Some units incorporating the above modifications have been put into service since. Now all types listed will incorporate them. The enclosure now adopted as standard consists of the rectangular base and cover originally used with the type "AW1S". Similarly the adjustment resistors of the types "CW10M" and "CW15M" will now be like those of the "AW1S".


 R. W. MacLean,
 Director,
 Standards Division.
 Ref: A-803


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

SANGAMO THERMAL CONVERTER

