DEPARTMENT OF TRADE AND COMMERCE

STANDARDS BRANCH

E-41

OTTAWA November 2, 19 66.

NOTICE OF APPROVAL

FOR

CANADIAN WESTINGHOUSE TYPES "DAH" AND "DSH" SINGLE PHASE COMBINATION THERMAL DEMAND ENERGY METERS

Apparatus

Current Ranges Amps	.075-6.5 * #	.375-32.5 #	.75-65 #	0.75-100	1.5-130	2-200	2-200
Voltages	115, 120, 230 and 240						
Wire	2	3	2 or 3 #	3	3	3	3
Full Scale Demand	1.5kw	7.5kw	7.5kw 15kw #	24kw °	30kw	45kw	48kw °
Scale Range	0-1500	0-1500	0-1500	0-1200	0-1500	0-1500	0-1200
Multiplier	1	5	5 or 10 #	20	20	30	40
Disc Constant kh	.36	1.8	1.8 or 3.6 #	3.6	7.2	7.2	7.2
Register Ratio	277-7/9	277-7/9	277-7/9	555-5/9	277-7/9	416-2/3	555-5/9
Frequency	60 Hz all ratings						
Test Period	32 minutes all ratings						
Register	4-dial clock type with test dial.						

* The .075-6.5 amp. rating is a transformer type, all other ratings are self-contained.

\# The .75-65 amp rating is available in both 2 wire 115-120 volts marked "#", and 3-wire 230-240 volts.

° The demand scales may be marked 0-1200, 0-1500 to which the multiplier is applied, or they may be direct reading 0-24 kilowatts, 0-48 kilowatts.

Note 1 Connections to the thermal element may be either screwed or soldered.

Note 2 All ratings may be sealed with a detachable sealing cup.

Note 3 This approval covers those units that may be encountered with minor changes in the arrangement of the nameplate data.

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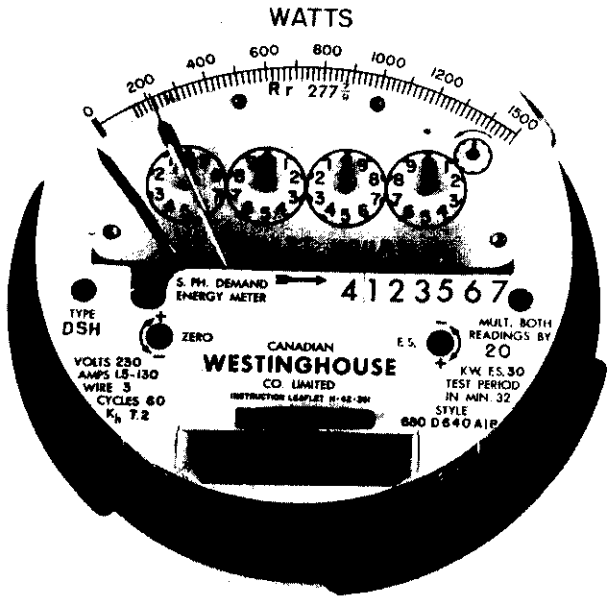
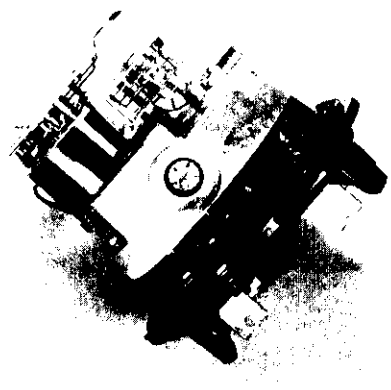
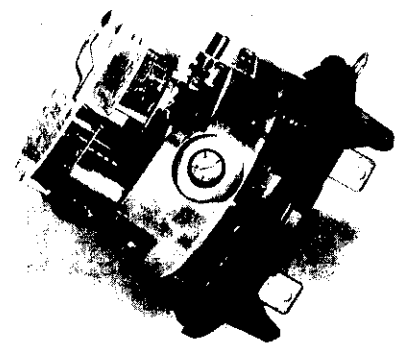




MODIFIED THERMAL ELEMENT



ELEMENT WITH TEMPERATURE COMPENSATING HELIX

Note 4 The potential disconnects may be the screwed or spring type.

Note 5 This approval covers a modified thermal element which does not require the temperature compensating helix associated with the full scale adjustment.

This modified thermal element is intended as a replacement, and to reduce the possibility of its use with a temperature compensating helix, the Company is providing the replacement element as a complete assembly, including the dial plate.

Note 6 The series coils may be either moulded or have the coils coated with what is termed "fluid bed" process except for the transformer type which will have the series coil wound on "Mylar" pole insulation with "Micarta" distance pieces.

Description

This circular is a consolidation of previous circulars SD-EA.352 a, b, c,d, e, S-EA.443 and S-EA.513, and all descriptive material in the foregoing circulars, if not mentioned in the notes, is covered by this circular which is primarily to cover the modified thermal element which does not require the temperature compensating helix, the use of spring-type potential disconnects and the fluidized coating on the series coils.

Approval granted to: Canadian Westinghouse Company Limited,
Hamilton, Ontario.

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Ref. SL-100-882AE