



CANADA

DEPARTMENT OF TRADE AND COMMERCE

STANDARDS BRANCH

S-EA.597

OTTAWA, September 24, 1963.

TYPE APPROVAL
CANADIAN WESTINGHOUSE TYPE "DJS" SINGLE-PHASE WATTHOUR METERS
WITH AND WITHOUT VOLTAGE-COMPENSATED "VC" VOLTAGE COIL

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

Apparatus Approved: Type "DJS" Single-Phase Watthour Meters, manufactured and distributed in Canada by the Canadian Westinghouse Company Limited, Hamilton, Ontario.

Rating of Apparatus:

Current Range	.12-10A	.5-50A	.75-100A	2-200A
#Voltage	115 and 230	115	230 and 115/230	230
#Wire	2	2	3 or 2/3	3
Frequency	60 cycles	60 cycles	60 cycles	60 cycles
Watthour Constant	.18 for 115V	.9 for 115V	3.6 for 230V	7.2 for 230V
Register Ratio	555-5/9 for 115V 277-7/9 for 230V	111-1/9	27-7/9 or 277-7/9 x 10	13-8/9 or 138-8/9 x 10
Register Dials	4	4	4	4 or 5
Register Type	-----clock or cyclometer----- (see SD-EA-308, -394, -405, S-EA-412, -442)			

The 115/230 volt 2/3 wire marking indicates the 2-wire/3-wire meter approved as D2S under circular SD-EA.307 of August 19, 1957 now has approval as DJS with magnetic compensation of the disc. Meters with 120 volt ratings, or multiples thereof, are also approved in all capacities.

Description: The electromagnet and damping system of the type DJS are identical to those used in the type D2S, and the modifications receiving approval for the latter under circulars S-EA.575 of January 7, 1963 and S-EA.584 of June 14, 1963 apply equally to the type DJS. The difference between the two types lies in the base which for the type DJS has:-

1. A slightly deeper well so that all ratings use a common base.
2. Three ceramic filters said to prevent the accumulation of condensation.
3. Grommets around the current blades and disconnect link assembly.
4. A continuous cover gasket and 5. a relocated seal pan.

The combination of gaskets, filters and grommets is intended to provide a tightly sealed meter effectively insect and dust proof. The meter is identified by the '3' in the type designation and is available only in the socket type 'S' base. It may be provided with an English or a French/English nameplate.

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