



Department of consumer and corporate affairs / Ministère de la consommation et des corporations



STANDARDS BRANCH - DIRECTION DES NORMES

NOTICE OF APPROVAL

E - 106

OTTAWA July 9, 1971.

CANADIAN GENERAL ELECTRIC MAGNETIC SUSPENSION
AND REVERSE RUNNING DETENT

Approved for use on

All approved ratings of Types "DS-54",
"DSM-54", "DSW-54", "DS-64", "DSM-64" and
"DSW-64"

Description

The enclosed type ball bearings formerly used with the above meter types have been replaced by magnetic bearings.

As a result of the greater weight of the 2-disc rotor as compared with that of the single disc rotor, the above meters have both top and bottom magnetic bearings.

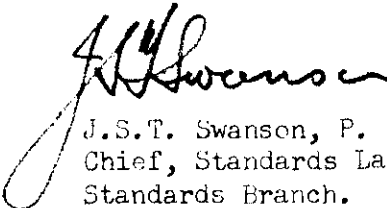
In turn, a new detent, G.E. catalogue number 9929520G1 has been designed for this bearing system style to prevent negative registration by restricting the backward rotation to a small fraction of a revolution.

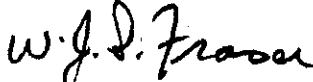
The detent is a small dog actuated by friction and mounted on a gear driven by the take-off gear. During normal rotation this dog, is kept out of engagement, but if the direction of rotation of the disc reverses, this dog engages the take-off gear and effectively prevents the disc from running backward more than a small fraction of a revolution.

An adjustable stop controls the amount of movement of the dog and thus has some effect on the amount of reverse disc rotation.

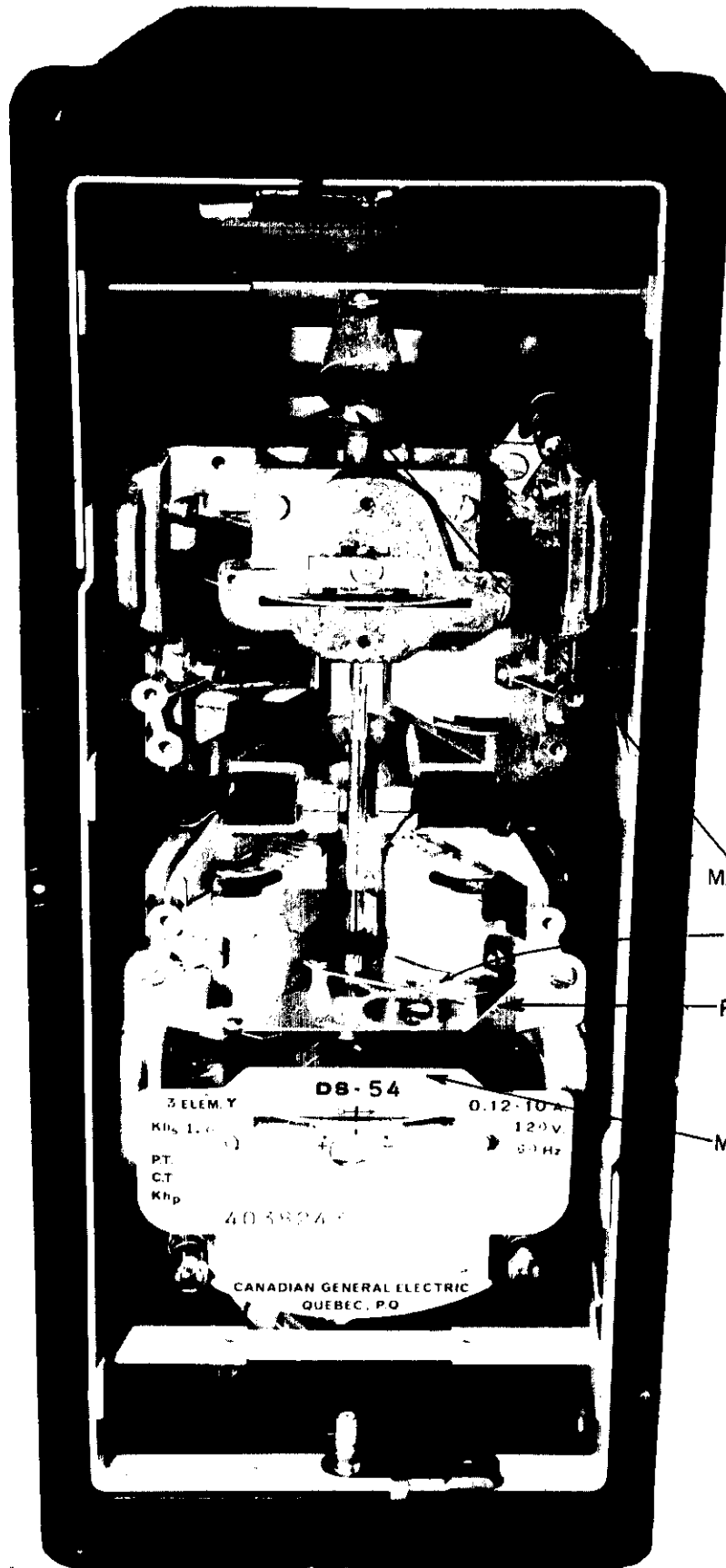
Approval granted to:

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Ref: SL-100-801 (AE)



MAGNETIC BEARING

PAWL ADJUSTMENT

REVERSE RUNNING
DETENT

MAGNETIC BEARING