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**NOTICE OF APPROVAL
AVIS D'APPROBATION**

E - 139

Ottawa, April 26, 1976

**WESTINGHOUSE TYPES "WR-31A", "WR-31S" AND
"WR-31SL" DEMAND RECORDERS (MAGNETIC TAPE)**

This approval covers modification to the battery carry-over feature from the use of a mechanical vibrator to a solid state inverter. The recorders with mechanical vibrators were approved under E-132 to which this notice is an extension.

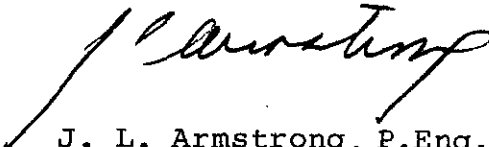
Description


The modification involves removal of the mechanical vibrator, toroidal coil and capacitor in the battery carry-over circuit and replacing them with a solid state inverter assembly as shown in Westinghouse Drawings Nos. 201D552 and 1850B71. There is no visible difference in the exterior appearance of the recorders nor is there any change in the operational features. The change to solid state inverters increases the carry-over time of the battery during outages. The battery has a 5-hour carry-over time on the WR-31.

This modification also applies to recorders approved under Notices of Approval E-78, E-78-1, E-78-2, E-78-3. On the WR-2C with a demand register an additional relay is added to reset the interval contacts.

Approval granted to:

Westinghouse Canada Limited,
Hamilton, Ontario.


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Chief, Standards Laboratory,


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Ref: GL 1145-57/C3-986