

M. R. G. SZ  
Electricity

DEPARTMENT OF TRADE AND COMMERCE

Electricity and Gas Inspection Services

Ottawa, October 13th, 1934.

District Inspectors of Electricity & Gas:--

Dear Sirs,--  
Re-approval of type H.20 Demand-Meter Register

I beg to advise you that the H.20 demand-meter register for 15, 30 and 60 minute time intervals, manufactured by General Electric Company, Toronto, Canada, has been approved by the National Research Council for use in Canada when used on any of the Canadian General Electric single phase or polyphase 25 and 60 cycle watt-hour meters types I.14, I.16, I.18, D.6, D.7, D.14 and D.15, the combination being designated IM.14, IM.15, IM.18, IM.6, MI.7, MI.14 and MI.15.

The type H.20 demand-meter register superseded the type H.14 demand-meter register and is of the block interval type in which a pointer pusher is geared directly to the watt-hour-meter shaft through a suitable gear reduction and arranged to carry the indicating pointer with it as it moves up scale. In this gear train is a clutch which will slip to permit the pointer pusher to be brought back to its zero position. The pointer, since it is not rigidly attached to the pointer pusher, remains at the highest point on the scale to which it has been carried and is held there by friction.

During the time interval the pointer pusher is driven up scale at a rate proportional to the load on a watt-hour-meter and carries with it the pointer, if it has not previously been advanced through the range which is covered by the pointer pusher during the interval under consideration. At the end of each time interval the pointer pusher is returned to its zero position by the resetting mechanism. A modified telechron motor is used to drive the resetting mechanism.

*[Handwritten signatures and notes]*  
J. L. ...  
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