

TRADE AND COMMERCE  
CANADA

STANDARDS BRANCH

OTTAWA, October 22, 1959.

TYPE APPROVALLANDIS & GYR TYPE "r4" IMPULSING CONTACT DEVICE

The apparatus specified 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 "r4" Impulsing Contact Device for remote integration and summation, manufactured by Landis & Gyr, Zug, Switzerland, and distributed in Canada by Landis & Gyr, Inc., 1010 Grou, Montreal 9, P. Q.

## Rating of Apparatus:

Impulses ..... Up to 60 per minute  
Voltage ..... AC 115 volts; DC 60 volts  
Current ..... 20 milliamperes

Description: This contact device is for use with approved Landis & Gyr watt-hour meters. These contacts are capable of transmitting a maximum of 60 impulses per minute. An auxiliary synchronous motor operates the contacts, the action of which is initiated by rotation of the disc through a gear train. Minimum and maximum displacement of the meter disc per impulse is 1/3 and 30 revolutions respectively, and changeable ratio gears are available so that the maximum rate of 60 impulses per minute is not exceeded for maximum load on the watt-hour meter on which the contacts are installed.

The magnetic field from the synchronous motor that operates the contacts has some slight effect upon the meter accuracy, particularly at light load. If the contacts are supplied mounted on an approved watt-hour meter, compensation is already made; but if the "r4" contacts are installed on an existing watt-hour meter, the driving motor is operated from another phase, reversed, or operated separately, and re-calibration at low load may be required.

E. F. Power,  
Assistant Director (E&G),  
Standards Branch.

R. W. MacLean,  
Director,  
Standards Branch.

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